CalEEMod Input Matrix
Project Characteristics

Table 1: Project Detail			
Project Characteristic (unit)	**Analyst Input**	**Notes**	**Source**
Project Name	Proctor Valley EIR - PA 16-19 Residential (P6-9)	--	--
Project Location	San Diego County	--	--
Wind speed (m/s)	default		
Precipitation Frequency (days)	default		
CEC Climate Forecasting Zone	13	--	CalEEMod Appendix E
Land Use Setting	Urban	based on availability of uses	--
Start of Construction	1-Oct-23	PA 16 -19 Schedule	Proctor Valley EIR Assumptions
Operational Year	2028	PA 16 -19 Schedule	Proctor Valley EIR Assumptions

Table 2: Utility Information			
Project Characteristic (unit)	**Analyst Input**	**Notes**	**Source**
Select Utility Company	San Diego Gas and Electric	project location	CEC, 2014
CO2 Intensity Factor (lb./Mwh)	427.49	Adjusted for RPS	
CH4 Intensity Factor (lb./Mwh)	default		
N20 Intensity Factor (lb./Mwh)	default		

CalEEMod Input Matrix
Project Characteristics

Table 3: Pollutants			
Pollutant Selection	**Pollutant Full Name**	**Notes**	**Source**
checked	ROG	--	--
checked	NOx	--	--
checked	CO	--	--
checked	SO2	--	--
checked	PM 10	--	--
checked	PM 2.5	--	--
checked	Fugitive PM 10	--	--
checked	Fugitive PM 2.5	--	--
checked	Biogenic CO2	--	--
checked	Non-biogenic CO2	--	--
checked	CO2	--	--
checked	CH4	--	--
checked	N20	--	--
checked	CO2e	--	--

Table 4 pertains to operational emissions and is therefore omitted

CalEEMod Input Sheet
Construction Phase

Table 5: Construction					
Phase Name	**Phase Type**	**Start Date**	**End Date**	**Days/Week**	**Total Days**
P6 Site Preperation (mo. 1)	Site Preparation	1-Apr-26	30-Apr-26	5 days/week	22
P6 Building Construction 1 (mo. 2-4)	Building Construction	1-May-26	31-Jul-26	5 days/week	66
P6 Building Construction 2 (mo. 5)	Building Construction	1-Aug-26	31-Aug-26	5 days/week	21
P6 Paving	Paving	1-Aug-26	31-Aug-26	5 days/week	21
P6 Architecutal Coating	Architectual Coating	1-Jun-26	31-Jul-26	5 days/week	45
P7 Site Preperation (mo. 1)	Site Preparation	1-Sep-26	30-Sep-26	5 days/week	22
P7 Building Construction 1 (mo. 2-4)	Building Construction	1-Oct-26	31-Dec-26	5 days/week	66
P7 Building Construction 2 (mo. 5)	Building Construction	1-Jan-27	31-Jan-27	5 days/week	21
P7 Paving	Paving	1-Aug-26	31-Aug-26	5 days/week	21
P7 Architecutal Coating	Architectual Coating	1-Nov-26	31-Dec-26	5 days/week	44
P8 Site Preperation (mo. 1)	Site Preparation	1-Feb-27	28-Feb-27	5 days/week	20
P8 Building Construction 1 (mo. 2-4)	Building Construction	1-Mar-27	31-May-27	5 days/week	66
P8 Building Construction 2 (mo. 5)	Building Construction	1-Jun-27	30-Jun-27	5 days/week	22
P8 Paving	Paving	1-Jan-27	31-Jan-27	5 days/week	21
P8 Architecutal Coating	Architectual Coating	1-Apr-27	31-May-27	5 days/week	43
P9 Site Preperation (mo. 1)	Site Preparation	1-Jul-27	31-Jul-27	5 days/week	22
P9 Building Construction 1 (mo. 2-4)	Building Construction	1-Aug-27	31-Oct-27	5 days/week	65
P9 Building Construction 2 (mo. 5)	Building Construction	1-Nov-27	30-Nov-27	5 days/week	22
P9 Paving	Paving	1-Jun-27	30-Jun-27	5 days/week	22
P9 Architecutal Coating	Architectual Coating	1-Sep-27	31-Oct-27	5 days/week	43

CalEEMod Input Sheet
Construction Phase

Table 6: Off-Road Equipment					
Phase Name	**Equipment Type**	**Unit Amount**	**Hours/Day**	**Horsepower (hp)**	**Load Factor**
All Phases Site Preparation (mo. 1)	Grader	1	default		
	Skid Steer	1			
	Trencher	1			
	Pump	1			
	Cement Mixer	1			
All Phases Building Construction 1 (mo. 2-4)	Rough Terrain Forklift	1			
	Backhoe	1			
All Phases Building Construction 2 (mo. 5)	Rough Terrain Forklift	1			
	Skid Steer	2			
	Cement Mixer	1			
All Phases Paving	default				
All Phases Architectural Coatin	Air Compressor	2			

CalEEMod Input Sheet
Construction Phase

Table 7: Dust from Material Movement							
Phase Name	**Material Imported**	**Material Exported**	**Material Import/ Export Phased?**	**Mean Vehicle Speed (mph)**	**Total Acres Graded**	**Material Moisture Content (%) Bulldozing**	**Material Silt Content**
Site Prep	default				--	default	
Grading	default	--		default	153.2	default	

Table 8: Demolition		
Phase Name	**Size Metric**	**Unit Amount**
default		

CalEEMod Input Sheet
Construction Phase

Table 9: Construction Trips and VMT									
Phase Name	**# Trips Worker (/day)**	**# Trips Vendor (/day)**	**Total # Trips Hauling**	**Trip Length Worker (miles)**	**Trip Length Worker (miles)**	**Trip Length Hauling (miles)**	**Vehicle Class Worker**	**Vehicle Class Vendor**	**Vehicle Class Hauling**
All Phases Site Preparation (mo. 1)	Refer to Construction VMT worksheet								
All Phases Building Construction 1 (mo. 2-4)									
All Phases Building Construction 2 (mo. 5)									
All Phases Paving									
All Phases Architectural Coating									

CalEEMod Input Sheet
Construction Phase

Table 10: On-Road Fugitive Dust								
Phase Name	**% Pave Worker**	**% Pave Vendor**	**% Pave Hauling**	**Road Silt Loading (g/m2)**	**Material Silt Content (%)**	**Material Moisture Content (%)**	**Average Vehicle Weight (tons)**	**Mean Vehicle Speed (mph)**
All Phases Site Preparation (mo. 1)	default							
All Phases Building Construction 1 (mo. 2-4)								
All Phases Building Construction 2 (mo. 5)								
All Phases Paving								
All Phases Architectural Coating								

Table 11: Architectural Coating										
Phase Name	**Residential Interior VOC (g/L)**	**Residential Interior Area (sqft)**	**Residential Exterior VOC (g/L)**	**Residential Exterior Area (sqft)**	**Non-Residential Interior VOC (g/L)**	**Non-Residential Interior Area (sqft)**	**Non-Residential Exterior VOC (g/L)**	**Non-Residential Exterior Area (sqft)**	**VOC for Parking Lot Paint (g/L)**	**Parking Area (sqft)**
P6 Architectural Coati	50	86,190	100	28,730	N/A	0	N/A	0	N/A	default
P7 Architectural Coati	50	86,190	100	28,730	N/A	0	N/A	0	N/A	
P8 Architectural Coati	50	210,685	100	70,228	N/A	0	N/A	0	N/A	
P9 Architectural Coati	50	95,766	100	31,922	N/A	0	N/A	0	N/A	

Tables 12 through 31 pertain to operational emissions and are therefore omitted

CalEEMod Input Sheet
Construction Mitigation

Table 32: Off-Road Equipment						
Equipment Type	**Fuel Type**	**Engine Tier**	**Number of Equipments Mitigated**	**Total Number of Off-road Equipments**	**DPF Level**	**Using Oxidation Catalyst (% Reduction)**
All Tier 4 Interim						

Table 33: Fugitive Dust	
Soil Stabilizer for Unpaved Roads	
PM 10 (% Reduction)	30
PM 2.5 (% Reduction)	30
Replace Ground Cover of Area Disturbed	
PM 10 (% Reduction)	--
PM 2.5 (% Reduction)	--
Water Exposed Area	
Frequency (per day)	3
PM 10 (% Reduction)	default
PM 2.5 (% Reduction)	
Unpaved Road Mitigation	
Moisture Content (%)	--
Vehicle Speed (mph)	15
Clean Paved Road	
% PM Reduction	--

Proctor Valley EIR - Offsite

San Diego County, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
User Defined Residential	1.00	Dwelling Unit	48.20	0.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.6	**Precipitation Freq (Days)**	40
Climate Zone	13			**Operational Year**	2021
Utility Company	San Diego Gas & Electric				
CO2 Intensity (lb/MWhr)	720.49	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - Refer to CalEEMod Input Matrix Table 4

Construction Phase - Refer to CalEEMod Input Matrix Table 5

Off-road Equipment - Refer to CalEEMod Input Matrix Table 6

Off-road Equipment - Refer to CalEEMod Input Matrix Table 6

Off-road Equipment - Refer to CalEEMod Input Matrix Table 6

Off-road Equipment - Refer to CalEEMod Input Matrix Table 6

Off-road Equipment - Refer to CalEEMod Input Matrix Table 6

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Off-road Equipment - Refer to CalEEMod Input Matrix Table 6

Off-road Equipment - Refer to CalEEMod Input Matrix Table 6

Off-road Equipment - Refer to CalEEMod Input Matrix Table 6

Off-road Equipment - Refer to CalEEMod Input Matrix Table 6

Trips and VMT - Refer to CalEEMod Input Matrix Table 6

On-road Fugitive Dust - Refer to CalEEMod Input Matrix Table 7

Grading - Refer to CalEEMod Input Matrix Table 7

Construction Off-road Equipment Mitigation -

Proctor Valley EIR - Offsite - San Diego County, Winter

Table Name	Column Name	Default Value	New Value
tblAreaCoating	Area_EF_Parking	250	0
tblConstDustMitigation	WaterUnpavedRoadMoistureContent	0	0.5
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	40	15
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	6.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	8.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	8.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	8.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	25.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	8.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	38.00
tblConstEquipMitigation	Tier	No Change	Tier 4 Interim
tblConstEquipMitigation	Tier	No Change	Tier 4 Interim
tblConstEquipMitigation	Tier	No Change	Tier 4 Interim
tblConstEquipMitigation	Tier	No Change	Tier 4 Interim
tblConstEquipMitigation	Tier	No Change	Tier 4 Interim
tblConstEquipMitigation	Tier	No Change	Tier 4 Interim
tblConstEquipMitigation	Tier	No Change	Tier 4 Interim
tblConstEquipMitigation	Tier	No Change	Tier 4 Interim
tblConstEquipMitigation	Tier	No Change	Tier 4 Interim
tblConstructionPhase	NumDays	75.00	21.00
tblConstructionPhase	NumDays	75.00	35.00
tblConstructionPhase	NumDays	75.00	43.00
tblConstructionPhase	NumDays	75.00	23.00
tblConstructionPhase	NumDays	55.00	22.00

tblConstructionPhase	NumDays	55.00	21.00
tblConstructionPhase	NumDays	55.00	43.00
tblConstructionPhase	NumDays	55.00	22.00
tblConstructionPhase	NumDays	30.00	23.00
tblConstructionPhase	NumDays	30.00	22.00
tblConstructionPhase	NumDays	30.00	22.00
tblConstructionPhase	NumDays	30.00	131.00
tblConstructionPhase	NumDays	30.00	42.00
tblConstructionPhase	NumDays	30.00	66.00
tblConstructionPhase	NumDays	30.00	44.00
tblConstructionPhase	NumDays	30.00	131.00
tblConstructionPhase	NumDays	30.00	109.00
tblConstructionPhase	NumDays	30.00	21.00
tblConstructionPhase	NumDays	30.00	129.00
tblGrading	AcresOfGrading	10.50	52.50
tblGrading	AcresOfGrading	11.50	57.50
tblLandUse	LotAcreage	0.00	48.20
tblLandUse	Population	3.00	0.00
tblOffRoadEquipment	HorsePower	65.00	97.00
tblOffRoadEquipment	HorsePower	65.00	247.00
tblOffRoadEquipment	LoadFactor	0.37	0.40
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	2.00
tblOffRoadEquipment	PhaseName		SCV Landscaping
tblOffRoadEquipment	PhaseName		CV Landscaping

tblOffRoadEquipment	PhaseName		NV Landscaping
tblOffRoadEquipment	PhaseName		SV Landscaping
tblOnRoadDust	VendorPercentPave	100.00	98.00
tblOnRoadDust	VendorPercentPave	100.00	98.00
tblOnRoadDust	VendorPercentPave	100.00	98.00
tblOnRoadDust	VendorPercentPave	100.00	98.00
tblOnRoadDust	VendorPercentPave	100.00	98.00
tblOnRoadDust	VendorPercentPave	100.00	98.00
tblOnRoadDust	VendorPercentPave	100.00	98.00
tblOnRoadDust	VendorPercentPave	100.00	98.00
tblOnRoadDust	VendorPercentPave	100.00	98.00
tblOnRoadDust	VendorPercentPave	100.00	98.00
tblOnRoadDust	VendorPercentPave	100.00	98.00
tblOnRoadDust	VendorPercentPave	100.00	98.00
tblOnRoadDust	VendorPercentPave	100.00	98.00
tblOnRoadDust	VendorPercentPave	100.00	98.00
tblOnRoadDust	VendorPercentPave	100.00	98.00
tblOnRoadDust	VendorPercentPave	100.00	98.00
tblOnRoadDust	VendorPercentPave	100.00	98.00
tblOnRoadDust	VendorPercentPave	100.00	98.00
tblOnRoadDust	WorkerPercentPave	100.00	98.00
tblOnRoadDust	WorkerPercentPave	100.00	98.00
tblOnRoadDust	WorkerPercentPave	100.00	98.00
tblOnRoadDust	WorkerPercentPave	100.00	98.00
tblOnRoadDust	WorkerPercentPave	100.00	98.00
tblOnRoadDust	WorkerPercentPave	100.00	98.00

tblOnRoadDust	WorkerPercentPave	100.00	98.00
tblOnRoadDust	WorkerPercentPave	100.00	98.00
tblOnRoadDust	WorkerPercentPave	100.00	98.00
tblOnRoadDust	WorkerPercentPave	100.00	98.00
tblOnRoadDust	WorkerPercentPave	100.00	98.00
tblOnRoadDust	WorkerPercentPave	100.00	98.00
tblOnRoadDust	WorkerPercentPave	100.00	98.00
tblOnRoadDust	WorkerPercentPave	100.00	98.00
tblOnRoadDust	WorkerPercentPave	100.00	98.00
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tblOnRoadDust	WorkerPercentPave	100.00	98.00
tblOnRoadDust	WorkerPercentPave	100.00	98.00
tblOnRoadDust	WorkerPercentPave	100.00	98.00
tblProjectCharacteristics	OperationalYear	2018	2021
tblTripsAndVMT	VendorTripNumber	0.00	4.00
tblTripsAndVMT	VendorTripNumber	0.00	4.00
tblTripsAndVMT	VendorTripNumber	0.00	4.00
tblTripsAndVMT	VendorTripNumber	0.00	4.00
tblTripsAndVMT	VendorTripNumber	0.00	4.00
tblTripsAndVMT	VendorTripNumber	0.00	10.00
tblTripsAndVMT	VendorTripNumber	0.00	4.00
tblTripsAndVMT	VendorTripNumber	0.00	4.00
tblTripsAndVMT	VendorTripNumber	0.00	4.00
tblTripsAndVMT	VendorTripNumber	0.00	10.00
tblTripsAndVMT	VendorTripNumber	0.00	4.00
tblTripsAndVMT	VendorTripNumber	0.00	4.00
tblTripsAndVMT	VendorTripNumber	0.00	4.00

tblTripsAndVMT	VendorTripNumber	0.00	10.00
tblTripsAndVMT	VendorTripNumber	0.00	4.00
tblTripsAndVMT	VendorTripNumber	0.00	4.00
tblTripsAndVMT	VendorTripNumber	0.00	4.00
tblTripsAndVMT	VendorTripNumber	0.00	4.00
tblTripsAndVMT	VendorTripNumber	0.00	10.00
tblTripsAndVMT	WorkerTripNumber	18.00	10.00
tblTripsAndVMT	WorkerTripNumber	5.00	4.00
tblTripsAndVMT	WorkerTripNumber	18.00	10.00
tblTripsAndVMT	WorkerTripNumber	18.00	10.00
tblTripsAndVMT	WorkerTripNumber	15.00	8.00
tblTripsAndVMT	WorkerTripNumber	15.00	8.00
tblTripsAndVMT	WorkerTripNumber	5.00	4.00
tblTripsAndVMT	WorkerTripNumber	20.00	10.00
tblTripsAndVMT	WorkerTripNumber	18.00	10.00
tblTripsAndVMT	WorkerTripNumber	15.00	8.00
tblTripsAndVMT	WorkerTripNumber	5.00	4.00
tblTripsAndVMT	WorkerTripNumber	20.00	10.00
tblTripsAndVMT	WorkerTripNumber	18.00	10.00
tblTripsAndVMT	WorkerTripNumber	15.00	8.00
tblTripsAndVMT	WorkerTripNumber	5.00	4.00
tblTripsAndVMT	WorkerTripNumber	18.00	10.00
tblTripsAndVMT	WorkerTripNumber	15.00	10.00
tblTripsAndVMT	WorkerTripNumber	18.00	10.00
tblTripsAndVMT	WorkerTripNumber	15.00	8.00

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2019	4.3986	46.0998	22.4974	0.0399	22.2120	2.3945	24.6064	10.3628	2.2030	12.5658	0.0000	3,963.5444	3,963.5444	1.2040	0.0000	3,993.6450
2020	4.1337	42.8958	21.9084	0.0399	22.2120	2.2002	24.4122	10.3628	2.0243	12.3871	0.0000	3,878.7997	3,878.7997	1.2034	0.0000	3,908.8856
2021	7.8803	81.8571	43.0383	0.0797	44.4239	2.0459	48.5157	20.7256	1.8823	24.4901	0.0000	7,751.2787	7,751.2787	2.4061	0.0000	7,811.4315
2022	4.0633	42.7216	33.2151	0.0668	24.9862	1.6362	26.8620	10.3628	1.5053	11.8476	0.0000	6,499.1022	6,499.1022	2.0071	0.0000	6,549.2791
2023	2.1677	21.9253	30.0058	0.0518	9.6460	0.5116	10.6692	1.0092	0.4707	1.9505	0.0000	5,076.6503	5,076.6503	1.4699	0.0000	5,113.3969
Maximum	**7.8803**	**81.8571**	**43.0383**	**0.0797**	**44.4239**	**2.3945**	**48.5157**	**20.7256**	**2.2030**	**24.4901**	**0.0000**	**7,751.2787**	**7,751.2787**	**2.4061**	**0.0000**	**7,811.4315**

2.1 Overall Construction (Maximum Daily Emission)

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2019	0.7277	12.4926	23.4023	0.0399	8.8840	0.0360	8.9199	4.0746	0.0383	4.1129	0.0000	3,963.5444	3,963.5444	1.2040	0.0000	3,993.6450
2020	0.7260	12.4903	23.3673	0.0399	8.8840	0.0393	8.9233	4.0746	0.0413	4.1159	0.0000	3,878.7997	3,878.7997	1.2034	0.0000	3,908.8856
2021	1.4503	24.9704	46.6826	0.0797	17.7679	0.0961	17.8523	8.1492	0.0961	8.2369	0.0000	7,751.2787	7,751.2787	2.4061	0.0000	7,811.4315
2022	1.2383	22.7544	41.1264	0.0668	10.1528	0.1331	10.3195	4.0746	0.1303	4.1223	0.0000	6,499.1022	6,499.1022	2.0071	0.0000	6,549.2791
2023	0.7704	21.6209	35.4287	0.0518	4.2841	0.0388	4.3617	0.4736	0.0387	0.5510	0.0000	5,076.6503	5,076.6503	1.4699	0.0000	5,113.3969
Maximum	**1.4503**	**24.9704**	**46.6826**	**0.0797**	**17.7679**	**0.1331**	**17.8523**	**8.1492**	**0.1303**	**8.2369**	**0.0000**	**7,751.2787**	**7,751.2787**	**2.4061**	**0.0000**	**7,811.4315**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**78.30**	**59.95**	**-12.84**	**0.00**	**59.53**	**96.09**	**62.70**	**60.54**	**95.74**	**66.57**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	1.5329	0.0308	1.9718	3.4300e-003		0.2653	0.2653		0.2653	0.2653	27.7717	11.7956	39.5673	0.0258	2.1800e-003	40.8626
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	**1.5329**	**0.0308**	**1.9718**	**3.4300e-003**	**0.0000**	**0.2653**	**0.2653**	**0.0000**	**0.2653**	**0.2653**	**27.7717**	**11.7956**	**39.5673**	**0.0258**	**2.1800e-003**	**40.8626**

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	1.5329	0.0308	1.9718	3.4300e-003		0.2653	0.2653		0.2653	0.2653	27.7717	11.7956	39.5673	0.0258	2.1800e-003	40.8626
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	**1.5329**	**0.0308**	**1.9718**	**3.4300e-003**	**0.0000**	**0.2653**	**0.2653**	**0.0000**	**0.2653**	**0.2653**	**27.7717**	**11.7956**	**39.5673**	**0.0258**	**2.1800e-003**	**40.8626**

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

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	SV Site Prep	Site Preparation	7/1/2019	7/31/2019	5	23	
2	SV Grading	Grading	4/30/2022	6/29/2022	5	43	
3	SV Utilities	Site Preparation	8/1/2019	1/30/2020	5	131	
4	SV Paving	Paving	10/19/2022	12/16/2022	5	43	
5	SV Landscaping	Site Preparation	1/31/2020	7/1/2020	5	109	
6	SCV Site Prep	Site Preparation	7/2/2020	7/30/2020	5	21	
7	SCV Grading	Grading	6/30/2022	8/1/2022	5	23	
8	SCV Utilities	Site Preparation	7/31/2020	1/27/2021	5	129	
9	SCV Paving	Paving	12/17/2022	1/17/2023	5	22	
10	SCV Landscaping	Site Preparation	1/28/2021	2/26/2021	5	22	
11	CV Site Prep	Site Preparation	2/27/2021	3/30/2021	5	22	
12	CV Utilities	Site Preparation	3/31/2021	9/29/2021	5	131	
13	CV Grading	Grading	8/2/2022	8/30/2022	5	21	
14	CV Paving	Paving	1/18/2023	2/16/2023	5	22	
15	CV Landscaping	Site Preparation	9/30/2021	11/26/2021	5	42	
16	NV Grading	Grading	8/31/2022	10/18/2022	5	35	
17	NV Utilities	Site Preparation	11/27/2021	2/28/2022	5	66	
18	NV Paving	Paving	2/17/2023	3/17/2023	5	21	
19	NV Landscaping	Site Preparation	3/1/2022	4/29/2022	5	44	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

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

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
SV Site Prep	Rubber Tired Dozers	3	8.00	247	0.40
SV Site Prep	Tractors/Loaders/Backhoes	4	8.00	97	0.37
SV Grading	Excavators	2	8.00	158	0.38
SV Grading	Graders	1	8.00	187	0.41
SV Grading	Rubber Tired Dozers	1	8.00	247	0.40
SV Grading	Scrapers	2	8.00	367	0.48
SV Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
SV Utilities	Rubber Tired Dozers	3	8.00	247	0.40
SV Utilities	Tractors/Loaders/Backhoes	4	8.00	97	0.37
SV Paving	Pavers	2	8.00	130	0.42
SV Paving	Paving Equipment	2	8.00	132	0.36
SV Paving	Rollers	2	8.00	80	0.38
SV Landscaping	Skid Steer Loaders	2	8.00	247	0.40
SCV Site Prep	Rubber Tired Dozers	3	8.00	247	0.40
SCV Site Prep	Tractors/Loaders/Backhoes	4	8.00	97	0.37
SCV Grading	Excavators	2	8.00	158	0.38
SCV Grading	Graders	1	8.00	187	0.41
SCV Grading	Rubber Tired Dozers	1	8.00	247	0.40

SCV Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
SCV Utilities	Rubber Tired Dozers	3	8.00	247	0.40
SCV Utilities	Tractors/Loaders/Backhoes	4	8.00	97	0.37
SCV Paving	Pavers	2	8.00	130	0.42
SCV Paving	Paving Equipment	2	8.00	132	0.36
SCV Paving	Rollers	2	8.00	80	0.38
SCV Landscaping	Skid Steer Loaders	2	8.00	97	0.37
CV Site Prep	Rubber Tired Dozers	3	8.00	247	0.40
CV Site Prep	Tractors/Loaders/Backhoes	4	8.00	97	0.37
CV Utilities	Rubber Tired Dozers	3	8.00	247	0.40
CV Utilities	Tractors/Loaders/Backhoes	4	8.00	97	0.37
CV Grading	Excavators	2	8.00	158	0.38
CV Grading	Graders	1	8.00	187	0.41
CV Grading	Rubber Tired Dozers	1	8.00	247	0.40
CV Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
CV Paving	Pavers	2	8.00	130	0.42
CV Paving	Paving Equipment	2	8.00	132	0.36
CV Paving	Rollers	2	8.00	80	0.38
CV Landscaping	Skid Steer Loaders	2	8.00	65	0.37
NV Grading	Excavators	2	8.00	158	0.38
NV Grading	Graders	1	8.00	187	0.41
NV Grading	Rubber Tired Dozers	1	8.00	247	0.40
NV Grading	Scrapers	2	8.00	367	0.48
NV Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
NV Utilities	Rubber Tired Dozers	3	8.00	247	0.40
NV Utilities	Tractors/Loaders/Backhoes	4	8.00	97	0.37
NV Paving	Pavers	2	8.00	130	0.42

NV Paving	Paving Equipment	2	8.00	132	0.36
NV Paving	Rollers	2	8.00	80	0.38
NV Landscaping	Skid Steer Loaders	2	8.00	65	0.37

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
SV Site Prep	7	10.00	4.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
SV Grading	8	10.00	4.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
SV Utilities	7	10.00	4.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
SV Paving	6	8.00	10.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
SV Landscaping	2	4.00	4.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
SCV Site Prep	7	10.00	4.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
SCV Grading	6	10.00	4.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
SCV Utilities	7	10.00	4.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
SCV Paving	6	8.00	10.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
SCV Landscaping	2	4.00	4.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
CV Site Prep	7	10.00	4.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
CV Utilities	7	10.00	4.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
CV Grading	6	8.00	4.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
CV Paving	6	8.00	10.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
CV Landscaping	2	4.00	4.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
NV Grading	8	10.00	4.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
NV Utilities	7	10.00	4.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
NV Paving	6	8.00	10.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
NV Landscaping	2	4.00	4.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Use Soil Stabilizer

Water Exposed Area

Water Unpaved Roads

Reduce Vehicle Speed on Unpaved Roads

3.2 SV Site Prep - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	4.3350	45.5727	22.0630	0.0380		2.3904	2.3904		2.1991	2.1991		3,766.4529	3,766.4529	1.1917		3,796.2445
Total	**4.3350**	**45.5727**	**22.0630**	**0.0380**	**18.0663**	**2.3904**	**20.4566**	**9.9307**	**2.1991**	**12.1298**		**3,766.4529**	**3,766.4529**	**1.1917**		**3,796.2445**

3.2 SV Site Prep - 2019

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0192	0.4964	0.1420	1.0800e-003	0.8862	3.5100e-003	0.8897	0.0935	3.3600e-003	0.0968		115.4001	115.4001	9.7200e-003		115.6432
Worker	0.0444	0.0308	0.2924	8.2000e-004	3.2596	5.9000e-004	3.2601	0.3387	5.4000e-004	0.3392		81.6914	81.6914	2.6400e-003		81.7573
Total	**0.0636**	**0.5271**	**0.4344**	**1.9000e-003**	**4.1457**	**4.1000e-003**	**4.1498**	**0.4321**	**3.9000e-003**	**0.4360**		**197.0915**	**197.0915**	**0.0124**		**197.4005**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					7.0458	0.0000	7.0458	3.8730	0.0000	3.8730			0.0000			0.0000
Off-Road	0.6641	11.9655	22.9679	0.0380		0.0319	0.0319		0.0344	0.0344	0.0000	3,766.4529	3,766.4529	1.1917		3,796.2445
Total	**0.6641**	**11.9655**	**22.9679**	**0.0380**	**7.0458**	**0.0319**	**7.0777**	**3.8730**	**0.0344**	**3.9074**	**0.0000**	**3,766.4529**	**3,766.4529**	**1.1917**		**3,796.2445**

3.2 SV Site Prep - 2019

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0192	0.4964	0.1420	1.0800e-003	0.3950	3.5100e-003	0.3986	0.0444	3.3600e-003	0.0478		115.4001	115.4001	9.7200e-003		115.6432
Worker	0.0444	0.0308	0.2924	8.2000e-004	1.4431	5.9000e-004	1.4437	0.1572	5.4000e-004	0.1577		81.6914	81.6914	2.6400e-003		81.7573
Total	**0.0636**	**0.5271**	**0.4344**	**1.9000e-003**	**1.8381**	**4.1000e-003**	**1.8422**	**0.2016**	**3.9000e-003**	**0.2055**		**197.0915**	**197.0915**	**0.0124**		**197.4005**

3.3 SV Grading - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					8.6733	0.0000	8.6733	3.5965	0.0000	3.5965			0.0000			0.0000
Off-Road	3.6248	38.8435	29.0415	0.0621		1.6349	1.6349		1.5041	1.5041		6,011.4105	6,011.4105	1.9442		6,060.0158
Total	**3.6248**	**38.8435**	**29.0415**	**0.0621**	**8.6733**	**1.6349**	**10.3082**	**3.5965**	**1.5041**	**5.1006**		**6,011.4105**	**6,011.4105**	**1.9442**		**6,060.0158**

3.3 SV Grading - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0119	0.3836	0.1094	1.0400e-003	0.8862	7.7000e-004	0.8869	0.0935	7.3000e-004	0.0942		112.4411	112.4411	8.5600e-003		112.6551
Worker	0.0372	0.0230	0.2314	7.4000e-004	3.2596	5.6000e-004	3.2601	0.3387	5.1000e-004	0.3392		73.6526	73.6526	2.0100e-003		73.7028
Total	**0.0490**	**0.4066**	**0.3408**	**1.7800e-003**	**4.1457**	**1.3300e-003**	**4.1470**	**0.4321**	**1.2400e-003**	**0.4334**		**186.0936**	**186.0936**	**0.0106**		**186.3579**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					3.3826	0.0000	3.3826	1.4026	0.0000	1.4026			0.0000			0.0000
Off-Road	1.0710	18.9887	36.4016	0.0621		0.1318	0.1318		0.1290	0.1290	0.0000	6,011.4105	6,011.4105	1.9442		6,060.0158
Total	**1.0710**	**18.9887**	**36.4016**	**0.0621**	**3.3826**	**0.1318**	**3.5144**	**1.4026**	**0.1290**	**1.5317**	**0.0000**	**6,011.4105**	**6,011.4105**	**1.9442**		**6,060.0158**

3.3 SV Grading - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0119	0.3836	0.1094	1.0400e-003	0.3950	7.7000e-004	0.3958	0.0444	7.3000e-004	0.0451		112.4411	112.4411	8.5600e-003		112.6551
Worker	0.0372	0.0230	0.2314	7.4000e-004	1.4431	5.6000e-004	1.4436	0.1572	5.1000e-004	0.1577		73.6526	73.6526	2.0100e-003		73.7028
Total	**0.0490**	**0.4066**	**0.3408**	**1.7800e-003**	**1.8381**	**1.3300e-003**	**1.8394**	**0.2016**	**1.2400e-003**	**0.2029**		**186.0936**	**186.0936**	**0.0106**		**186.3579**

3.4 SV Utilities - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	4.3350	45.5727	22.0630	0.0380		2.3904	2.3904		2.1991	2.1991		3,766.4529	3,766.4529	1.1917		3,796.2445
Total	**4.3350**	**45.5727**	**22.0630**	**0.0380**	**18.0663**	**2.3904**	**20.4566**	**9.9307**	**2.1991**	**12.1298**		**3,766.4529**	**3,766.4529**	**1.1917**		**3,796.2445**

3.4 SV Utilities - 2019

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0192	0.4964	0.1420	1.0800e-003	0.8862	3.5100e-003	0.8897	0.0935	3.3600e-003	0.0968		115.4001	115.4001	9.7200e-003		115.6432
Worker	0.0444	0.0308	0.2924	8.2000e-004	3.2596	5.9000e-004	3.2601	0.3387	5.4000e-004	0.3392		81.6914	81.6914	2.6400e-003		81.7573
Total	**0.0636**	**0.5271**	**0.4344**	**1.9000e-003**	**4.1457**	**4.1000e-003**	**4.1498**	**0.4321**	**3.9000e-003**	**0.4360**		**197.0915**	**197.0915**	**0.0124**		**197.4005**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					7.0458	0.0000	7.0458	3.8730	0.0000	3.8730			0.0000			0.0000
Off-Road	0.6641	11.9655	22.9679	0.0380		0.0319	0.0319		0.0344	0.0344	0.0000	3,766.4529	3,766.4529	1.1917		3,796.2445
Total	**0.6641**	**11.9655**	**22.9679**	**0.0380**	**7.0458**	**0.0319**	**7.0777**	**3.8730**	**0.0344**	**3.9074**	**0.0000**	**3,766.4529**	**3,766.4529**	**1.1917**		**3,796.2445**

3.4 SV Utilities - 2019

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0192	0.4964	0.1420	1.0800e-003	0.3950	3.5100e-003	0.3986	0.0444	3.3600e-003	0.0478		115.4001	115.4001	9.7200e-003		115.6432
Worker	0.0444	0.0308	0.2924	8.2000e-004	1.4431	5.9000e-004	1.4437	0.1572	5.4000e-004	0.1577		81.6914	81.6914	2.6400e-003		81.7573
Total	**0.0636**	**0.5271**	**0.4344**	**1.9000e-003**	**1.8381**	**4.1000e-003**	**1.8422**	**0.2016**	**3.9000e-003**	**0.2055**		**197.0915**	**197.0915**	**0.0124**		**197.4005**

3.4 SV Utilities - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	4.0765	42.4173	21.5136	0.0380		2.1974	2.1974		2.0216	2.0216		3,685.1016	3,685.1016	1.1918		3,714.8975
Total	**4.0765**	**42.4173**	**21.5136**	**0.0380**	**18.0663**	**2.1974**	**20.2637**	**9.9307**	**2.0216**	**11.9523**		**3,685.1016**	**3,685.1016**	**1.1918**		**3,714.8975**

3.4 SV Utilities - 2020

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0157	0.4507	0.1275	1.0700e-003	0.8862	2.2500e-003	0.8884	0.0935	2.1500e-003	0.0956		114.5849	114.5849	9.2200e-003		114.8154
Worker	0.0416	0.0278	0.2673	7.9000e-004	3.2596	5.8000e-004	3.2601	0.3387	5.3000e-004	0.3392		79.1132	79.1132	2.3800e-003		79.1727
Total	**0.0572**	**0.4784**	**0.3948**	**1.8600e-003**	**4.1457**	**2.8300e-003**	**4.1485**	**0.4321**	**2.6800e-003**	**0.4348**		**193.6981**	**193.6981**	**0.0116**		**193.9881**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					7.0458	0.0000	7.0458	3.8730	0.0000	3.8730			0.0000			0.0000
Off-Road	0.6688	12.0119	22.9725	0.0380		0.0365	0.0365		0.0386	0.0386	0.0000	3,685.1016	3,685.1016	1.1918		3,714.8975
Total	**0.6688**	**12.0119**	**22.9725**	**0.0380**	**7.0458**	**0.0365**	**7.0823**	**3.8730**	**0.0386**	**3.9116**	**0.0000**	**3,685.1016**	**3,685.1016**	**1.1918**		**3,714.8975**

3.4 SV Utilities - 2020

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0157	0.4507	0.1275	1.0700e-003	0.3950	2.2500e-003	0.3973	0.0444	2.1500e-003	0.0466		114.5849	114.5849	9.2200e-003		114.8154
Worker	0.0416	0.0278	0.2673	7.9000e-004	1.4431	5.8000e-004	1.4437	0.1572	5.3000e-004	0.1577		79.1132	79.1132	2.3800e-003		79.1727
Total	**0.0572**	**0.4784**	**0.3948**	**1.8600e-003**	**1.8381**	**2.8300e-003**	**1.8409**	**0.2016**	**2.6800e-003**	**0.2043**		**193.6981**	**193.6981**	**0.0116**		**193.9881**

3.5 SV Paving - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.1028	11.1249	14.5805	0.0228		0.5679	0.5679		0.5225	0.5225		2,207.6603	2,207.6603	0.7140		2,225.5104
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.1028**	**11.1249**	**14.5805**	**0.0228**		**0.5679**	**0.5679**		**0.5225**	**0.5225**		**2,207.6603**	**2,207.6603**	**0.7140**		**2,225.5104**

3.5 SV Paving - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0297	0.9591	0.2736	2.6100e-003	2.2154	1.9200e-003	2.2173	0.2337	1.8300e-003	0.2355		281.1026	281.1026	0.0214		281.6377
Worker	0.0297	0.0184	0.1851	5.9000e-004	2.6076	4.4000e-004	2.6081	0.2709	4.1000e-004	0.2713		58.9221	58.9221	1.6100e-003		58.9623
Total	**0.0594**	**0.9775**	**0.4587**	**3.2000e-003**	**4.8230**	**2.3600e-003**	**4.8254**	**0.5046**	**2.2400e-003**	**0.5068**		**340.0247**	**340.0247**	**0.0230**		**340.6000**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.3341	10.0395	17.2957	0.0228		0.0374	0.0374		0.0374	0.0374	0.0000	2,207.6603	2,207.6603	0.7140		2,225.5104
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**0.3341**	**10.0395**	**17.2957**	**0.0228**		**0.0374**	**0.0374**		**0.0374**	**0.0374**	**0.0000**	**2,207.6603**	**2,207.6603**	**0.7140**		**2,225.5104**

3.5 SV Paving - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0297	0.9591	0.2736	2.6100e-003	0.9876	1.9200e-003	0.9895	0.1110	1.8300e-003	0.1129		281.1026	281.1026	0.0214		281.6377
Worker	0.0297	0.0184	0.1851	5.9000e-004	1.1545	4.4000e-004	1.1549	0.1258	4.1000e-004	0.1262		58.9221	58.9221	1.6100e-003		58.9623
Total	**0.0594**	**0.9775**	**0.4587**	**3.2000e-003**	**2.1421**	**2.3600e-003**	**2.1444**	**0.2368**	**2.2400e-003**	**0.2390**		**340.0247**	**340.0247**	**0.0230**		**340.6000**

3.6 SV Landscaping - 2020

Unmitigated Construction On-Site

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

3.6 SV Landscaping - 2020

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0157	0.4507	0.1275	1.0700e-003	0.8862	2.2500e-003	0.8884	0.0935	2.1500e-003	0.0956		114.5849	114.5849	9.2200e-003		114.8154
Worker	0.0166	0.0111	0.1069	3.2000e-004	1.3038	2.3000e-004	1.3041	0.1355	2.1000e-004	0.1357		31.6453	31.6453	9.5000e-004		31.6691
Total	**0.0323**	**0.4618**	**0.2344**	**1.3900e-003**	**2.1900**	**2.4800e-003**	**2.1925**	**0.2289**	**2.3600e-003**	**0.2313**		**146.2302**	**146.2302**	**0.0102**		**146.4845**

Mitigated Construction On-Site

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

3.6 SV Landscaping - 2020

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0157	0.4507	0.1275	1.0700e-003	0.3950	2.2500e-003	0.3973	0.0444	2.1500e-003	0.0466		114.5849	114.5849	9.2200e-003		114.8154
Worker	0.0166	0.0111	0.1069	3.2000e-004	0.5772	2.3000e-004	0.5775	0.0629	2.1000e-004	0.0631		31.6453	31.6453	9.5000e-004		31.6691
Total	**0.0323**	**0.4618**	**0.2344**	**1.3900e-003**	**0.9723**	**2.4800e-003**	**0.9747**	**0.1073**	**2.3600e-003**	**0.1097**		**146.2302**	**146.2302**	**0.0102**		**146.4845**

3.7 SCV Site Prep - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	4.0765	42.4173	21.5136	0.0380		2.1974	2.1974		2.0216	2.0216		3,685.1016	3,685.1016	1.1918		3,714.8975
Total	**4.0765**	**42.4173**	**21.5136**	**0.0380**	**18.0663**	**2.1974**	**20.2637**	**9.9307**	**2.0216**	**11.9523**		**3,685.1016**	**3,685.1016**	**1.1918**		**3,714.8975**

3.7 SCV Site Prep - 2020

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0157	0.4507	0.1275	1.0700e-003	0.8862	2.2500e-003	0.8884	0.0935	2.1500e-003	0.0956		114.5849	114.5849	9.2200e-003		114.8154
Worker	0.0416	0.0278	0.2673	7.9000e-004	3.2596	5.8000e-004	3.2601	0.3387	5.3000e-004	0.3392		79.1132	79.1132	2.3800e-003		79.1727
Total	**0.0572**	**0.4784**	**0.3948**	**1.8600e-003**	**4.1457**	**2.8300e-003**	**4.1485**	**0.4321**	**2.6800e-003**	**0.4348**		**193.6981**	**193.6981**	**0.0116**		**193.9881**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					7.0458	0.0000	7.0458	3.8730	0.0000	3.8730			0.0000			0.0000
Off-Road	0.6688	12.0119	22.9725	0.0380		0.0365	0.0365		0.0386	0.0386	0.0000	3,685.1016	3,685.1016	1.1918		3,714.8975
Total	**0.6688**	**12.0119**	**22.9725**	**0.0380**	**7.0458**	**0.0365**	**7.0823**	**3.8730**	**0.0386**	**3.9116**	**0.0000**	**3,685.1016**	**3,685.1016**	**1.1918**		**3,714.8975**

3.7 SCV Site Prep - 2020

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0157	0.4507	0.1275	1.0700e-003	0.3950	2.2500e-003	0.3973	0.0444	2.1500e-003	0.0466		114.5849	114.5849	9.2200e-003		114.8154
Worker	0.0416	0.0278	0.2673	7.9000e-004	1.4431	5.8000e-004	1.4437	0.1572	5.3000e-004	0.1577		79.1132	79.1132	2.3800e-003		79.1727
Total	**0.0572**	**0.4784**	**0.3948**	**1.8600e-003**	**1.8381**	**2.8300e-003**	**1.8409**	**0.2016**	**2.6800e-003**	**0.2043**		**193.6981**	**193.6981**	**0.0116**		**193.9881**

3.8 SCV Grading - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					8.6733	0.0000	8.6733	3.5965	0.0000	3.5965			0.0000			0.0000
Off-Road	1.9864	20.9565	16.2899	0.0317		0.9366	0.9366		0.8617	0.8617		3,070.8227	3,070.8227	0.9932		3,095.6519
Total	**1.9864**	**20.9565**	**16.2899**	**0.0317**	**8.6733**	**0.9366**	**9.6100**	**3.5965**	**0.8617**	**4.4582**		**3,070.8227**	**3,070.8227**	**0.9932**		**3,095.6519**

3.8 SCV Grading - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0119	0.3836	0.1094	1.0400e-003	0.8862	7.7000e-004	0.8869	0.0935	7.3000e-004	0.0942		112.4411	112.4411	8.5600e-003		112.6551
Worker	0.0372	0.0230	0.2314	7.4000e-004	3.2596	5.6000e-004	3.2601	0.3387	5.1000e-004	0.3392		73.6526	73.6526	2.0100e-003		73.7028
Total	**0.0490**	**0.4066**	**0.3408**	**1.7800e-003**	**4.1457**	**1.3300e-003**	**4.1470**	**0.4321**	**1.2400e-003**	**0.4334**		**186.0936**	**186.0936**	**0.0106**		**186.3579**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					3.3826	0.0000	3.3826	1.4026	0.0000	1.4026			0.0000			0.0000
Off-Road	0.5738	10.9729	20.2455	0.0317		0.0821	0.0821		0.0793	0.0793	0.0000	3,070.8227	3,070.8227	0.9932		3,095.6519
Total	**0.5738**	**10.9729**	**20.2455**	**0.0317**	**3.3826**	**0.0821**	**3.4647**	**1.4026**	**0.0793**	**1.4820**	**0.0000**	**3,070.8227**	**3,070.8227**	**0.9932**		**3,095.6519**

3.8 SCV Grading - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0119	0.3836	0.1094	1.0400e-003	0.3950	7.7000e-004	0.3958	0.0444	7.3000e-004	0.0451		112.4411	112.4411	8.5600e-003		112.6551
Worker	0.0372	0.0230	0.2314	7.4000e-004	1.4431	5.6000e-004	1.4436	0.1572	5.1000e-004	0.1577		73.6526	73.6526	2.0100e-003		73.7028
Total	**0.0490**	**0.4066**	**0.3408**	**1.7800e-003**	**1.8381**	**1.3300e-003**	**1.8394**	**0.2016**	**1.2400e-003**	**0.2029**		**186.0936**	**186.0936**	**0.0106**		**186.3579**

3.9 SCV Utilities - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	4.0765	42.4173	21.5136	0.0380		2.1974	2.1974		2.0216	2.0216		3,685.1016	3,685.1016	1.1918		3,714.8975
Total	**4.0765**	**42.4173**	**21.5136**	**0.0380**	**18.0663**	**2.1974**	**20.2637**	**9.9307**	**2.0216**	**11.9523**		**3,685.1016**	**3,685.1016**	**1.1918**		**3,714.8975**

3.9 SCV Utilities - 2020

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0157	0.4507	0.1275	1.0700e-003	0.8862	2.2500e-003	0.8884	0.0935	2.1500e-003	0.0956		114.5849	114.5849	9.2200e-003		114.8154
Worker	0.0416	0.0278	0.2673	7.9000e-004	3.2596	5.8000e-004	3.2601	0.3387	5.3000e-004	0.3392		79.1132	79.1132	2.3800e-003		79.1727
Total	**0.0572**	**0.4784**	**0.3948**	**1.8600e-003**	**4.1457**	**2.8300e-003**	**4.1485**	**0.4321**	**2.6800e-003**	**0.4348**		**193.6981**	**193.6981**	**0.0116**		**193.9881**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					7.0458	0.0000	7.0458	3.8730	0.0000	3.8730			0.0000			0.0000
Off-Road	0.6688	12.0119	22.9725	0.0380		0.0365	0.0365		0.0386	0.0386	0.0000	3,685.1016	3,685.1016	1.1918		3,714.8975
Total	**0.6688**	**12.0119**	**22.9725**	**0.0380**	**7.0458**	**0.0365**	**7.0823**	**3.8730**	**0.0386**	**3.9116**	**0.0000**	**3,685.1016**	**3,685.1016**	**1.1918**		**3,714.8975**

3.9 SCV Utilities - 2020

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0157	0.4507	0.1275	1.0700e-003	0.3950	2.2500e-003	0.3973	0.0444	2.1500e-003	0.0466		114.5849	114.5849	9.2200e-003		114.8154
Worker	0.0416	0.0278	0.2673	7.9000e-004	1.4431	5.8000e-004	1.4437	0.1572	5.3000e-004	0.1577		79.1132	79.1132	2.3800e-003		79.1727
Total	**0.0572**	**0.4784**	**0.3948**	**1.8600e-003**	**1.8381**	**2.8300e-003**	**1.8409**	**0.2016**	**2.6800e-003**	**0.2043**		**193.6981**	**193.6981**	**0.0116**		**193.9881**

3.9 SCV Utilities - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	3.8882	40.4971	21.1543	0.0380		2.0445	2.0445		1.8809	1.8809		3,685.6569	3,685.6569	1.1920		3,715.4573
Total	**3.8882**	**40.4971**	**21.1543**	**0.0380**	**18.0663**	**2.0445**	**20.1107**	**9.9307**	**1.8809**	**11.8116**		**3,685.6569**	**3,685.6569**	**1.1920**		**3,715.4573**

3.9 SCV Utilities - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0128	0.4062	0.1156	1.0600e-003	0.8862	8.9000e-004	0.8870	0.0935	8.5000e-004	0.0943		113.5277	113.5277	8.8400e-003		113.7488
Worker	0.0392	0.0252	0.2493	7.7000e-004	3.2596	5.7000e-004	3.2601	0.3387	5.2000e-004	0.3392		76.4548	76.4548	2.2000e-003		76.5097
Total	**0.0520**	**0.4315**	**0.3649**	**1.8300e-003**	**4.1457**	**1.4600e-003**	**4.1472**	**0.4321**	**1.3700e-003**	**0.4335**		**189.9825**	**189.9825**	**0.0110**		**190.2585**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					7.0458	0.0000	7.0458	3.8730	0.0000	3.8730			0.0000			0.0000
Off-Road	0.6732	12.0538	22.9764	0.0380		0.0407	0.0407		0.0425	0.0425	0.0000	3,685.6569	3,685.6569	1.1920		3,715.4573
Total	**0.6732**	**12.0538**	**22.9764**	**0.0380**	**7.0458**	**0.0407**	**7.0866**	**3.8730**	**0.0425**	**3.9155**	**0.0000**	**3,685.6569**	**3,685.6569**	**1.1920**		**3,715.4573**

3.9 SCV Utilities - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0128	0.4062	0.1156	1.0600e-003	0.3950	8.9000e-004	0.3959	0.0444	8.5000e-004	0.0453		113.5277	113.5277	8.8400e-003		113.7488
Worker	0.0392	0.0252	0.2493	7.7000e-004	1.4431	5.7000e-004	1.4437	0.1572	5.2000e-004	0.1577		76.4548	76.4548	2.2000e-003		76.5097
Total	**0.0520**	**0.4315**	**0.3649**	**1.8300e-003**	**1.8381**	**1.4600e-003**	**1.8396**	**0.2016**	**1.3700e-003**	**0.2030**		**189.9825**	**189.9825**	**0.0110**		**190.2585**

3.10 SCV Paving - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.1028	11.1249	14.5805	0.0228		0.5679	0.5679		0.5225	0.5225		2,207.6603	2,207.6603	0.7140		2,225.5104
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.1028**	**11.1249**	**14.5805**	**0.0228**		**0.5679**	**0.5679**		**0.5225**	**0.5225**		**2,207.6603**	**2,207.6603**	**0.7140**		**2,225.5104**

3.10 SCV Paving - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0297	0.9591	0.2736	2.6100e-003	2.2154	1.9200e-003	2.2173	0.2337	1.8300e-003	0.2355		281.1026	281.1026	0.0214		281.6377
Worker	0.0297	0.0184	0.1851	5.9000e-004	2.6076	4.4000e-004	2.6081	0.2709	4.1000e-004	0.2713		58.9221	58.9221	1.6100e-003		58.9623
Total	**0.0594**	**0.9775**	**0.4587**	**3.2000e-003**	**4.8230**	**2.3600e-003**	**4.8254**	**0.5046**	**2.2400e-003**	**0.5068**		**340.0247**	**340.0247**	**0.0230**		**340.6000**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.3341	10.0395	17.2957	0.0228		0.0374	0.0374		0.0374	0.0374	0.0000	2,207.6603	2,207.6603	0.7140		2,225.5104
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**0.3341**	**10.0395**	**17.2957**	**0.0228**		**0.0374**	**0.0374**		**0.0374**	**0.0374**	**0.0000**	**2,207.6603**	**2,207.6603**	**0.7140**		**2,225.5104**

3.10 SCV Paving - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0297	0.9591	0.2736	2.6100e-003	0.9876	1.9200e-003	0.9895	0.1110	1.8300e-003	0.1129		281.1026	281.1026	0.0214		281.6377
Worker	0.0297	0.0184	0.1851	5.9000e-004	1.1545	4.4000e-004	1.1549	0.1258	4.1000e-004	0.1262		58.9221	58.9221	1.6100e-003		58.9623
Total	**0.0594**	**0.9775**	**0.4587**	**3.2000e-003**	**2.1421**	**2.3600e-003**	**2.1444**	**0.2368**	**2.2400e-003**	**0.2390**		**340.0247**	**340.0247**	**0.0230**		**340.6000**

3.10 SCV Paving - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.0327	10.1917	14.5842	0.0228		0.5102	0.5102		0.4694	0.4694		2,207.5841	2,207.5841	0.7140		2,225.4336
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.0327**	**10.1917**	**14.5842**	**0.0228**		**0.5102**	**0.5102**		**0.4694**	**0.4694**		**2,207.5841**	**2,207.5841**	**0.7140**		**2,225.4336**

3.10 SCV Paving - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0229	0.7542	0.2471	2.5400e-003	2.2154	9.4000e-004	2.2163	0.2337	9.0000e-004	0.2346		274.0693	274.0693	0.0195		274.5564
Worker	0.0282	0.0168	0.1716	5.7000e-004	2.6076	4.4000e-004	2.6081	0.2709	4.0000e-004	0.2713		56.6717	56.6717	1.4700e-003		56.7085
Total	**0.0511**	**0.7710**	**0.4187**	**3.1100e-003**	**4.8230**	**1.3800e-003**	**4.8244**	**0.5046**	**1.3000e-003**	**0.5059**		**330.7410**	**330.7410**	**0.0210**		**331.2649**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.3341	10.0395	17.2957	0.0228		0.0374	0.0374		0.0374	0.0374	0.0000	2,207.5841	2,207.5841	0.7140		2,225.4336
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**0.3341**	**10.0395**	**17.2957**	**0.0228**		**0.0374**	**0.0374**		**0.0374**	**0.0374**	**0.0000**	**2,207.5841**	**2,207.5841**	**0.7140**		**2,225.4336**

3.10 SCV Paving - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0229	0.7542	0.2471	2.5400e-003	0.9876	9.4000e-004	0.9885	0.1110	9.0000e-004	0.1119		274.0693	274.0693	0.0195		274.5564
Worker	0.0282	0.0168	0.1716	5.7000e-004	1.1545	4.4000e-004	1.1549	0.1258	4.0000e-004	0.1262		56.6717	56.6717	1.4700e-003		56.7085
Total	**0.0511**	**0.7710**	**0.4187**	**3.1100e-003**	**2.1421**	**1.3800e-003**	**2.1434**	**0.2368**	**1.3000e-003**	**0.2381**		**330.7410**	**330.7410**	**0.0210**		**331.2649**

3.11 SCV Landscaping - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.2253	2.9952	4.1485	6.1700e-003		0.1219	0.1219		0.1121	0.1121		597.5151	597.5151	0.1933		602.3464
Total	**0.2253**	**2.9952**	**4.1485**	**6.1700e-003**	**0.0000**	**0.1219**	**0.1219**	**0.0000**	**0.1121**	**0.1121**		**597.5151**	**597.5151**	**0.1933**		**602.3464**

3.11 SCV Landscaping - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0128	0.4062	0.1156	1.0600e-003	0.8862	8.9000e-004	0.8870	0.0935	8.5000e-004	0.0943		113.5277	113.5277	8.8400e-003		113.7488
Worker	0.0157	0.0101	0.0997	3.1000e-004	1.3038	2.3000e-004	1.3041	0.1355	2.1000e-004	0.1357		30.5819	30.5819	8.8000e-004		30.6039
Total	**0.0284**	**0.4163**	**0.2153**	**1.3700e-003**	**2.1900**	**1.1200e-003**	**2.1911**	**0.2289**	**1.0600e-003**	**0.2300**		**144.1096**	**144.1096**	**9.7200e-003**		**144.3527**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.1393	2.7092	4.6841	6.1700e-003		0.0101	0.0101		0.0101	0.0101	0.0000	597.5151	597.5151	0.1933		602.3464
Total	**0.1393**	**2.7092**	**4.6841**	**6.1700e-003**	**0.0000**	**0.0101**	**0.0101**	**0.0000**	**0.0101**	**0.0101**	**0.0000**	**597.5151**	**597.5151**	**0.1933**		**602.3464**

3.11 SCV Landscaping - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0128	0.4062	0.1156	1.0600e-003	0.3950	8.9000e-004	0.3959	0.0444	8.5000e-004	0.0453		113.5277	113.5277	8.8400e-003		113.7488
Worker	0.0157	0.0101	0.0997	3.1000e-004	0.5772	2.3000e-004	0.5775	0.0629	2.1000e-004	0.0631		30.5819	30.5819	8.8000e-004		30.6039
Total	**0.0284**	**0.4163**	**0.2153**	**1.3700e-003**	**0.9723**	**1.1200e-003**	**0.9734**	**0.1073**	**1.0600e-003**	**0.1084**		**144.1096**	**144.1096**	**9.7200e-003**		**144.3527**

3.12 CV Site Prep - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	3.8882	40.4971	21.1543	0.0380		2.0445	2.0445		1.8809	1.8809		3,685.6569	3,685.6569	1.1920		3,715.4573
Total	**3.8882**	**40.4971**	**21.1543**	**0.0380**	**18.0663**	**2.0445**	**20.1107**	**9.9307**	**1.8809**	**11.8116**		**3,685.6569**	**3,685.6569**	**1.1920**		**3,715.4573**

3.12 CV Site Prep - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0128	0.4062	0.1156	1.0600e-003	0.8862	8.9000e-004	0.8870	0.0935	8.5000e-004	0.0943		113.5277	113.5277	8.8400e-003		113.7488
Worker	0.0392	0.0252	0.2493	7.7000e-004	3.2596	5.7000e-004	3.2601	0.3387	5.2000e-004	0.3392		76.4548	76.4548	2.2000e-003		76.5097
Total	**0.0520**	**0.4315**	**0.3649**	**1.8300e-003**	**4.1457**	**1.4600e-003**	**4.1472**	**0.4321**	**1.3700e-003**	**0.4335**		**189.9825**	**189.9825**	**0.0110**		**190.2585**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					7.0458	0.0000	7.0458	3.8730	0.0000	3.8730			0.0000			0.0000
Off-Road	0.6732	12.0538	22.9764	0.0380		0.0407	0.0407		0.0425	0.0425	0.0000	3,685.6569	3,685.6569	1.1920		3,715.4573
Total	**0.6732**	**12.0538**	**22.9764**	**0.0380**	**7.0458**	**0.0407**	**7.0866**	**3.8730**	**0.0425**	**3.9155**	**0.0000**	**3,685.6569**	**3,685.6569**	**1.1920**		**3,715.4573**

3.12 CV Site Prep - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0128	0.4062	0.1156	1.0600e-003	0.3950	8.9000e-004	0.3959	0.0444	8.5000e-004	0.0453		113.5277	113.5277	8.8400e-003		113.7488
Worker	0.0392	0.0252	0.2493	7.7000e-004	1.4431	5.7000e-004	1.4437	0.1572	5.2000e-004	0.1577		76.4548	76.4548	2.2000e-003		76.5097
Total	**0.0520**	**0.4315**	**0.3649**	**1.8300e-003**	**1.8381**	**1.4600e-003**	**1.8396**	**0.2016**	**1.3700e-003**	**0.2030**		**189.9825**	**189.9825**	**0.0110**		**190.2585**

3.13 CV Utilities - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	3.8882	40.4971	21.1543	0.0380		2.0445	2.0445		1.8809	1.8809		3,685.6569	3,685.6569	1.1920		3,715.4573
Total	**3.8882**	**40.4971**	**21.1543**	**0.0380**	**18.0663**	**2.0445**	**20.1107**	**9.9307**	**1.8809**	**11.8116**		**3,685.6569**	**3,685.6569**	**1.1920**		**3,715.4573**

3.13 CV Utilities - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0128	0.4062	0.1156	1.0600e-003	0.8862	8.9000e-004	0.8870	0.0935	8.5000e-004	0.0943		113.5277	113.5277	8.8400e-003		113.7488
Worker	0.0392	0.0252	0.2493	7.7000e-004	3.2596	5.7000e-004	3.2601	0.3387	5.2000e-004	0.3392		76.4548	76.4548	2.2000e-003		76.5097
Total	**0.0520**	**0.4315**	**0.3649**	**1.8300e-003**	**4.1457**	**1.4600e-003**	**4.1472**	**0.4321**	**1.3700e-003**	**0.4335**		**189.9825**	**189.9825**	**0.0110**		**190.2585**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					7.0458	0.0000	7.0458	3.8730	0.0000	3.8730			0.0000			0.0000
Off-Road	0.6732	12.0538	22.9764	0.0380		0.0407	0.0407		0.0425	0.0425	0.0000	3,685.6569	3,685.6569	1.1920		3,715.4573
Total	**0.6732**	**12.0538**	**22.9764**	**0.0380**	**7.0458**	**0.0407**	**7.0866**	**3.8730**	**0.0425**	**3.9155**	**0.0000**	**3,685.6569**	**3,685.6569**	**1.1920**		**3,715.4573**

3.13 CV Utilities - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0128	0.4062	0.1156	1.0600e-003	0.3950	8.9000e-004	0.3959	0.0444	8.5000e-004	0.0453		113.5277	113.5277	8.8400e-003		113.7488
Worker	0.0392	0.0252	0.2493	7.7000e-004	1.4431	5.7000e-004	1.4437	0.1572	5.2000e-004	0.1577		76.4548	76.4548	2.2000e-003		76.5097
Total	**0.0520**	**0.4315**	**0.3649**	**1.8300e-003**	**1.8381**	**1.4600e-003**	**1.8396**	**0.2016**	**1.3700e-003**	**0.2030**		**189.9825**	**189.9825**	**0.0110**		**190.2585**

3.14 CV Grading - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					8.6733	0.0000	8.6733	3.5965	0.0000	3.5965			0.0000			0.0000
Off-Road	1.9864	20.9565	16.2899	0.0317		0.9366	0.9366		0.8617	0.8617		3,070.8227	3,070.8227	0.9932		3,095.6519
Total	**1.9864**	**20.9565**	**16.2899**	**0.0317**	**8.6733**	**0.9366**	**9.6100**	**3.5965**	**0.8617**	**4.4582**		**3,070.8227**	**3,070.8227**	**0.9932**		**3,095.6519**

3.14 CV Grading - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0119	0.3836	0.1094	1.0400e-003	0.8862	7.7000e-004	0.8869	0.0935	7.3000e-004	0.0942		112.4411	112.4411	8.5600e-003		112.6551
Worker	0.0297	0.0184	0.1851	5.9000e-004	2.6076	4.4000e-004	2.6081	0.2709	4.1000e-004	0.2713		58.9221	58.9221	1.6100e-003		58.9623
Total	**0.0416**	**0.4020**	**0.2945**	**1.6300e-003**	**3.4938**	**1.2100e-003**	**3.4950**	**0.3644**	**1.1400e-003**	**0.3655**		**171.3631**	**171.3631**	**0.0102**		**171.6174**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					3.3826	0.0000	3.3826	1.4026	0.0000	1.4026			0.0000			0.0000
Off-Road	0.5738	10.9729	20.2455	0.0317		0.0821	0.0821		0.0793	0.0793	0.0000	3,070.8227	3,070.8227	0.9932		3,095.6519
Total	**0.5738**	**10.9729**	**20.2455**	**0.0317**	**3.3826**	**0.0821**	**3.4647**	**1.4026**	**0.0793**	**1.4820**	**0.0000**	**3,070.8227**	**3,070.8227**	**0.9932**		**3,095.6519**

3.14 CV Grading - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0119	0.3836	0.1094	1.0400e-003	0.3950	7.7000e-004	0.3958	0.0444	7.3000e-004	0.0451		112.4411	112.4411	8.5600e-003		112.6551
Worker	0.0297	0.0184	0.1851	5.9000e-004	1.1545	4.4000e-004	1.1549	0.1258	4.1000e-004	0.1262		58.9221	58.9221	1.6100e-003		58.9623
Total	**0.0416**	**0.4020**	**0.2945**	**1.6300e-003**	**1.5495**	**1.2100e-003**	**1.5507**	**0.1702**	**1.1400e-003**	**0.1713**		**171.3631**	**171.3631**	**0.0102**		**171.6174**

3.15 CV Paving - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.0327	10.1917	14.5842	0.0228		0.5102	0.5102		0.4694	0.4694		2,207.5841	2,207.5841	0.7140		2,225.4336
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.0327**	**10.1917**	**14.5842**	**0.0228**		**0.5102**	**0.5102**		**0.4694**	**0.4694**		**2,207.5841**	**2,207.5841**	**0.7140**		**2,225.4336**

3.15 CV Paving - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0229	0.7542	0.2471	2.5400e-003	2.2154	9.4000e-004	2.2163	0.2337	9.0000e-004	0.2346		274.0693	274.0693	0.0195		274.5564
Worker	0.0282	0.0168	0.1716	5.7000e-004	2.6076	4.4000e-004	2.6081	0.2709	4.0000e-004	0.2713		56.6717	56.6717	1.4700e-003		56.7085
Total	**0.0511**	**0.7710**	**0.4187**	**3.1100e-003**	**4.8230**	**1.3800e-003**	**4.8244**	**0.5046**	**1.3000e-003**	**0.5059**		**330.7410**	**330.7410**	**0.0210**		**331.2649**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.3341	10.0395	17.2957	0.0228		0.0374	0.0374		0.0374	0.0374	0.0000	2,207.5841	2,207.5841	0.7140		2,225.4336
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**0.3341**	**10.0395**	**17.2957**	**0.0228**		**0.0374**	**0.0374**		**0.0374**	**0.0374**	**0.0000**	**2,207.5841**	**2,207.5841**	**0.7140**		**2,225.4336**

3.15 CV Paving - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0229	0.7542	0.2471	2.5400e-003	0.9876	9.4000e-004	0.9885	0.1110	9.0000e-004	0.1119		274.0693	274.0693	0.0195		274.5564
Worker	0.0282	0.0168	0.1716	5.7000e-004	1.1545	4.4000e-004	1.1549	0.1258	4.0000e-004	0.1262		56.6717	56.6717	1.4700e-003		56.7085
Total	**0.0511**	**0.7710**	**0.4187**	**3.1100e-003**	**2.1421**	**1.3800e-003**	**2.1434**	**0.2368**	**1.3000e-003**	**0.2381**		**330.7410**	**330.7410**	**0.0210**		**331.2649**

3.16 CV Landscaping - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.1510	2.0071	2.7799	4.1400e-003		0.0817	0.0817		0.0751	0.0751		400.3967	400.3967	0.1295		403.6342
Total	**0.1510**	**2.0071**	**2.7799**	**4.1400e-003**	**0.0000**	**0.0817**	**0.0817**	**0.0000**	**0.0751**	**0.0751**		**400.3967**	**400.3967**	**0.1295**		**403.6342**

3.16 CV Landscaping - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0128	0.4062	0.1156	1.0600e-003	0.8862	8.9000e-004	0.8870	0.0935	8.5000e-004	0.0943		113.5277	113.5277	8.8400e-003		113.7488
Worker	0.0157	0.0101	0.0997	3.1000e-004	1.3038	2.3000e-004	1.3041	0.1355	2.1000e-004	0.1357		30.5819	30.5819	8.8000e-004		30.6039
Total	**0.0284**	**0.4163**	**0.2153**	**1.3700e-003**	**2.1900**	**1.1200e-003**	**2.1911**	**0.2289**	**1.0600e-003**	**0.2300**		**144.1096**	**144.1096**	**9.7200e-003**		**144.3527**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.1018	2.3245	3.1389	4.1400e-003		0.0950	0.0950		0.0950	0.0950	0.0000	400.3967	400.3967	0.1295		403.6342
Total	**0.1018**	**2.3245**	**3.1389**	**4.1400e-003**	**0.0000**	**0.0950**	**0.0950**	**0.0000**	**0.0950**	**0.0950**	**0.0000**	**400.3967**	**400.3967**	**0.1295**		**403.6342**

3.16 CV Landscaping - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0128	0.4062	0.1156	1.0600e-003	0.3950	8.9000e-004	0.3959	0.0444	8.5000e-004	0.0453		113.5277	113.5277	8.8400e-003		113.7488
Worker	0.0157	0.0101	0.0997	3.1000e-004	0.5772	2.3000e-004	0.5775	0.0629	2.1000e-004	0.0631		30.5819	30.5819	8.8000e-004		30.6039
Total	**0.0284**	**0.4163**	**0.2153**	**1.3700e-003**	**0.9723**	**1.1200e-003**	**0.9734**	**0.1073**	**1.0600e-003**	**0.1084**		**144.1096**	**144.1096**	**9.7200e-003**		**144.3527**

3.17 NV Grading - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					8.6733	0.0000	8.6733	3.5965	0.0000	3.5965			0.0000			0.0000
Off-Road	3.6248	38.8435	29.0415	0.0621		1.6349	1.6349		1.5041	1.5041		6,011.4105	6,011.4105	1.9442		6,060.0158
Total	**3.6248**	**38.8435**	**29.0415**	**0.0621**	**8.6733**	**1.6349**	**10.3082**	**3.5965**	**1.5041**	**5.1006**		**6,011.4105**	**6,011.4105**	**1.9442**		**6,060.0158**

3.17 NV Grading - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0119	0.3836	0.1094	1.0400e-003	0.8862	7.7000e-004	0.8869	0.0935	7.3000e-004	0.0942		112.4411	112.4411	8.5600e-003		112.6551
Worker	0.0372	0.0230	0.2314	7.4000e-004	3.2596	5.6000e-004	3.2601	0.3387	5.1000e-004	0.3392		73.6526	73.6526	2.0100e-003		73.7028
Total	**0.0490**	**0.4066**	**0.3408**	**1.7800e-003**	**4.1457**	**1.3300e-003**	**4.1470**	**0.4321**	**1.2400e-003**	**0.4334**		**186.0936**	**186.0936**	**0.0106**		**186.3579**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					3.3826	0.0000	3.3826	1.4026	0.0000	1.4026			0.0000			0.0000
Off-Road	1.0710	18.9887	36.4016	0.0621		0.1318	0.1318		0.1290	0.1290	0.0000	6,011.4105	6,011.4105	1.9442		6,060.0158
Total	**1.0710**	**18.9887**	**36.4016**	**0.0621**	**3.3826**	**0.1318**	**3.5144**	**1.4026**	**0.1290**	**1.5317**	**0.0000**	**6,011.4105**	**6,011.4105**	**1.9442**		**6,060.0158**

3.17 NV Grading - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0119	0.3836	0.1094	1.0400e-003	0.3950	7.7000e-004	0.3958	0.0444	7.3000e-004	0.0451		112.4411	112.4411	8.5600e-003		112.6551
Worker	0.0372	0.0230	0.2314	7.4000e-004	1.4431	5.6000e-004	1.4436	0.1572	5.1000e-004	0.1577		73.6526	73.6526	2.0100e-003		73.7028
Total	**0.0490**	**0.4066**	**0.3408**	**1.7800e-003**	**1.8381**	**1.3300e-003**	**1.8394**	**0.2016**	**1.2400e-003**	**0.2029**		**186.0936**	**186.0936**	**0.0106**		**186.3579**

3.18 NV Utilities - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	3.8882	40.4971	21.1543	0.0380		2.0445	2.0445		1.8809	1.8809		3,685.6569	3,685.6569	1.1920		3,715.4573
Total	**3.8882**	**40.4971**	**21.1543**	**0.0380**	**18.0663**	**2.0445**	**20.1107**	**9.9307**	**1.8809**	**11.8116**		**3,685.6569**	**3,685.6569**	**1.1920**		**3,715.4573**

3.18 NV Utilities - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0128	0.4062	0.1156	1.0600e-003	0.8862	8.9000e-004	0.8870	0.0935	8.5000e-004	0.0943		113.5277	113.5277	8.8400e-003		113.7488
Worker	0.0392	0.0252	0.2493	7.7000e-004	3.2596	5.7000e-004	3.2601	0.3387	5.2000e-004	0.3392		76.4548	76.4548	2.2000e-003		76.5097
Total	**0.0520**	**0.4315**	**0.3649**	**1.8300e-003**	**4.1457**	**1.4600e-003**	**4.1472**	**0.4321**	**1.3700e-003**	**0.4335**		**189.9825**	**189.9825**	**0.0110**		**190.2585**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					7.0458	0.0000	7.0458	3.8730	0.0000	3.8730			0.0000			0.0000
Off-Road	0.6732	12.0538	22.9764	0.0380		0.0407	0.0407		0.0425	0.0425	0.0000	3,685.6569	3,685.6569	1.1920		3,715.4573
Total	**0.6732**	**12.0538**	**22.9764**	**0.0380**	**7.0458**	**0.0407**	**7.0866**	**3.8730**	**0.0425**	**3.9155**	**0.0000**	**3,685.6569**	**3,685.6569**	**1.1920**		**3,715.4573**

3.18 NV Utilities - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0128	0.4062	0.1156	1.0600e-003	0.3950	8.9000e-004	0.3959	0.0444	8.5000e-004	0.0453		113.5277	113.5277	8.8400e-003		113.7488
Worker	0.0392	0.0252	0.2493	7.7000e-004	1.4431	5.7000e-004	1.4437	0.1572	5.2000e-004	0.1577		76.4548	76.4548	2.2000e-003		76.5097
Total	**0.0520**	**0.4315**	**0.3649**	**1.8300e-003**	**1.8381**	**1.4600e-003**	**1.8396**	**0.2016**	**1.3700e-003**	**0.2030**		**189.9825**	**189.9825**	**0.0110**		**190.2585**

3.18 NV Utilities - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	3.1701	33.0835	19.6978	0.0380		1.6126	1.6126		1.4836	1.4836		3,686.0619	3,686.0619	1.1922		3,715.8655
Total	**3.1701**	**33.0835**	**19.6978**	**0.0380**	**18.0663**	**1.6126**	**19.6788**	**9.9307**	**1.4836**	**11.4143**		**3,686.0619**	**3,686.0619**	**1.1922**		**3,715.8655**

3.18 NV Utilities - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0119	0.3836	0.1094	1.0400e-003	0.8862	7.7000e-004	0.8869	0.0935	7.3000e-004	0.0942		112.4411	112.4411	8.5600e-003		112.6551
Worker	0.0372	0.0230	0.2314	7.4000e-004	3.2596	5.6000e-004	3.2601	0.3387	5.1000e-004	0.3392		73.6526	73.6526	2.0100e-003		73.7028
Total	**0.0490**	**0.4066**	**0.3408**	**1.7800e-003**	**4.1457**	**1.3300e-003**	**4.1470**	**0.4321**	**1.2400e-003**	**0.4334**		**186.0936**	**186.0936**	**0.0106**		**186.3579**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					7.0458	0.0000	7.0458	3.8730	0.0000	3.8730			0.0000			0.0000
Off-Road	0.6777	12.0978	22.9809	0.0380		0.0451	0.0451		0.0465	0.0465	0.0000	3,686.0619	3,686.0619	1.1922		3,715.8655
Total	**0.6777**	**12.0978**	**22.9809**	**0.0380**	**7.0458**	**0.0451**	**7.0909**	**3.8730**	**0.0465**	**3.9195**	**0.0000**	**3,686.0619**	**3,686.0619**	**1.1922**		**3,715.8655**

3.18 NV Utilities - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0119	0.3836	0.1094	1.0400e-003	0.3950	7.7000e-004	0.3958	0.0444	7.3000e-004	0.0451		112.4411	112.4411	8.5600e-003		112.6551
Worker	0.0372	0.0230	0.2314	7.4000e-004	1.4431	5.6000e-004	1.4436	0.1572	5.1000e-004	0.1577		73.6526	73.6526	2.0100e-003		73.7028
Total	**0.0490**	**0.4066**	**0.3408**	**1.7800e-003**	**1.8381**	**1.3300e-003**	**1.8394**	**0.2016**	**1.2400e-003**	**0.2029**		**186.0936**	**186.0936**	**0.0106**		**186.3579**

3.19 NV Paving - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.0327	10.1917	14.5842	0.0228		0.5102	0.5102		0.4694	0.4694		2,207.5841	2,207.5841	0.7140		2,225.4336
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.0327**	**10.1917**	**14.5842**	**0.0228**		**0.5102**	**0.5102**		**0.4694**	**0.4694**		**2,207.5841**	**2,207.5841**	**0.7140**		**2,225.4336**

3.19 NV Paving - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0229	0.7542	0.2471	2.5400e-003	2.2154	9.4000e-004	2.2163	0.2337	9.0000e-004	0.2346		274.0693	274.0693	0.0195		274.5564
Worker	0.0282	0.0168	0.1716	5.7000e-004	2.6076	4.4000e-004	2.6081	0.2709	4.0000e-004	0.2713		56.6717	56.6717	1.4700e-003		56.7085
Total	**0.0511**	**0.7710**	**0.4187**	**3.1100e-003**	**4.8230**	**1.3800e-003**	**4.8244**	**0.5046**	**1.3000e-003**	**0.5059**		**330.7410**	**330.7410**	**0.0210**		**331.2649**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.3341	10.0395	17.2957	0.0228		0.0374	0.0374		0.0374	0.0374	0.0000	2,207.5841	2,207.5841	0.7140		2,225.4336
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**0.3341**	**10.0395**	**17.2957**	**0.0228**		**0.0374**	**0.0374**		**0.0374**	**0.0374**	**0.0000**	**2,207.5841**	**2,207.5841**	**0.7140**		**2,225.4336**

3.19 NV Paving - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0229	0.7542	0.2471	2.5400e-003	0.9876	9.4000e-004	0.9885	0.1110	9.0000e-004	0.1119		274.0693	274.0693	0.0195		274.5564
Worker	0.0282	0.0168	0.1716	5.7000e-004	1.1545	4.4000e-004	1.1549	0.1258	4.0000e-004	0.1262		56.6717	56.6717	1.4700e-003		56.7085
Total	**0.0511**	**0.7710**	**0.4187**	**3.1100e-003**	**2.1421**	**1.3800e-003**	**2.1434**	**0.2368**	**1.3000e-003**	**0.2381**		**330.7410**	**330.7410**	**0.0210**		**331.2649**

3.20 NV Landscaping - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.1392	1.8572	2.7744	4.1400e-003		0.0690	0.0690		0.0635	0.0635		400.7825	400.7825	0.1296		404.0230
Total	**0.1392**	**1.8572**	**2.7744**	**4.1400e-003**	**0.0000**	**0.0690**	**0.0690**	**0.0000**	**0.0635**	**0.0635**		**400.7825**	**400.7825**	**0.1296**		**404.0230**

3.20 NV Landscaping - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0119	0.3836	0.1094	1.0400e-003	0.8862	7.7000e-004	0.8869	0.0935	7.3000e-004	0.0942		112.4411	112.4411	8.5600e-003		112.6551
Worker	0.0149	9.2000e-003	0.0925	3.0000e-004	1.3038	2.2000e-004	1.3040	0.1355	2.0000e-004	0.1357		29.4610	29.4610	8.0000e-004		29.4811
Total	**0.0267**	**0.3928**	**0.2020**	**1.3400e-003**	**2.1900**	**9.9000e-004**	**2.1910**	**0.2289**	**9.3000e-004**	**0.2299**		**141.9021**	**141.9021**	**9.3600e-003**		**142.1362**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.1018	2.3245	3.1389	4.1400e-003		0.0950	0.0950		0.0950	0.0950	0.0000	400.7825	400.7825	0.1296		404.0230
Total	**0.1018**	**2.3245**	**3.1389**	**4.1400e-003**	**0.0000**	**0.0950**	**0.0950**	**0.0000**	**0.0950**	**0.0950**	**0.0000**	**400.7825**	**400.7825**	**0.1296**		**404.0230**

3.20 NV Landscaping - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0119	0.3836	0.1094	1.0400e-003	0.3950	7.7000e-004	0.3958	0.0444	7.3000e-004	0.0451		112.4411	112.4411	8.5600e-003		112.6551
Worker	0.0149	9.2000e-003	0.0925	3.0000e-004	0.5772	2.2000e-004	0.5775	0.0629	2.0000e-004	0.0631		29.4610	29.4610	8.0000e-004		29.4811
Total	**0.0267**	**0.3928**	**0.2020**	**1.3400e-003**	**0.9723**	**9.9000e-004**	**0.9733**	**0.1073**	**9.3000e-004**	**0.1082**		**141.9021**	**141.9021**	**9.3600e-003**		**142.1362**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

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

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
User Defined Residential	0.00	0.00	0.00		
Total	0.00	0.00	0.00		

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
User Defined Residential	10.80	7.30	7.50	41.60	18.80	39.60	0	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
User Defined Residential	0.593936	0.041843	0.182569	0.108325	0.016436	0.005513	0.015940	0.023523	0.001912	0.001972	0.006090	0.000748	0.001193

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

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

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
User Defined Residential	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
User Defined Residential	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	1.5329	0.0308	1.9718	3.4300e-003		0.2653	0.2653		0.2653	0.2653	27.7717	11.7956	39.5673	0.0258	2.1800e-003	40.8626
Unmitigated	1.5329	0.0308	1.9718	3.4300e-003		0.2653	0.2653		0.2653	0.2653	27.7717	11.7956	39.5673	0.0258	2.1800e-003	40.8626

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	1.5304	0.0299	1.8891	3.4200e-003		0.2649	0.2649		0.2649	0.2649	27.7717	11.6471	39.4188	0.0256	2.1800e-003	40.7105
Landscaping	2.5100e-003	9.5000e-004	0.0827	0.0000		4.6000e-004	4.6000e-004		4.6000e-004	4.6000e-004		0.1486	0.1486	1.4000e-004		0.1522
Total	**1.5329**	**0.0308**	**1.9718**	**3.4200e-003**		**0.2653**	**0.2653**		**0.2653**	**0.2653**	**27.7717**	**11.7956**	**39.5673**	**0.0258**	**2.1800e-003**	**40.8626**

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	1.5304	0.0299	1.8891	3.4200e-003		0.2649	0.2649		0.2649	0.2649	27.7717	11.6471	39.4188	0.0256	2.1800e-003	40.7105
Landscaping	2.5100e-003	9.5000e-004	0.0827	0.0000		4.6000e-004	4.6000e-004		4.6000e-004	4.6000e-004		0.1486	0.1486	1.4000e-004		0.1522
Total	**1.5329**	**0.0308**	**1.9718**	**3.4200e-003**		**0.2653**	**0.2653**		**0.2653**	**0.2653**	**27.7717**	**11.7956**	**39.5673**	**0.0258**	**2.1800e-003**	**40.8626**

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

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

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

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

Boilers

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

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

Proctor Valley EIR - Offsite

San Diego County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
User Defined Residential	1.00	Dwelling Unit	48.20	0.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.6	**Precipitation Freq (Days)**	40
Climate Zone	13			**Operational Year**	2021
Utility Company	San Diego Gas & Electric				
CO2 Intensity (lb/MWhr)	720.49	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - Refer to CalEEMod Input Matrix Table 4

Construction Phase - Refer to CalEEMod Input Matrix Table 5

Off-road Equipment - Refer to CalEEMod Input Matrix Table 6

Off-road Equipment - Refer to CalEEMod Input Matrix Table 6

Off-road Equipment - Refer to CalEEMod Input Matrix Table 6

Off-road Equipment - Refer to CalEEMod Input Matrix Table 6

Off-road Equipment - Refer to CalEEMod Input Matrix Table 6

Off-road Equipment - Refer to CalEEMod Input Matrix Table 6

Off-road Equipment - Refer to CalEEMod Input Matrix Table 6

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Off-road Equipment - Refer to CalEEMod Input Matrix Table 6

Off-road Equipment - Refer to CalEEMod Input Matrix Table 6

Off-road Equipment - Refer to CalEEMod Input Matrix Table 6

Off-road Equipment - Refer to CalEEMod Input Matrix Table 6

Off-road Equipment - Refer to CalEEMod Input Matrix Table 6

Off-road Equipment - Refer to CalEEMod Input Matrix Table 6

Off-road Equipment - Refer to CalEEMod Input Matrix Table 6

Off-road Equipment - Refer to CalEEMod Input Matrix Table 6

Trips and VMT - Refer to CalEEMod Input Matrix Table 6

On-road Fugitive Dust - Refer to CalEEMod Input Matrix Table 7

Grading - Refer to CalEEMod Input Matrix Table 7

Construction Off-road Equipment Mitigation -

Proctor Valley EIR - Offsite - San Diego County, Summer

Table Name	Column Name	Default Value	New Value
tblAreaCoating	Area_EF_Parking	250	0
tblConstDustMitigation	WaterUnpavedRoadMoistureContent	0	0.5
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	40	15
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	6.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	8.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	8.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	8.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	25.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	8.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	38.00
tblConstEquipMitigation	Tier	No Change	Tier 4 Interim
tblConstEquipMitigation	Tier	No Change	Tier 4 Interim
tblConstEquipMitigation	Tier	No Change	Tier 4 Interim
tblConstEquipMitigation	Tier	No Change	Tier 4 Interim
tblConstEquipMitigation	Tier	No Change	Tier 4 Interim
tblConstEquipMitigation	Tier	No Change	Tier 4 Interim
tblConstEquipMitigation	Tier	No Change	Tier 4 Interim
tblConstEquipMitigation	Tier	No Change	Tier 4 Interim
tblConstEquipMitigation	Tier	No Change	Tier 4 Interim
tblConstructionPhase	NumDays	75.00	21.00
tblConstructionPhase	NumDays	75.00	35.00
tblConstructionPhase	NumDays	75.00	43.00
tblConstructionPhase	NumDays	75.00	23.00
tblConstructionPhase	NumDays	55.00	22.00

tblConstructionPhase	NumDays	55.00	21.00
tblConstructionPhase	NumDays	55.00	43.00
tblConstructionPhase	NumDays	55.00	22.00
tblConstructionPhase	NumDays	30.00	23.00
tblConstructionPhase	NumDays	30.00	22.00
tblConstructionPhase	NumDays	30.00	22.00
tblConstructionPhase	NumDays	30.00	131.00
tblConstructionPhase	NumDays	30.00	42.00
tblConstructionPhase	NumDays	30.00	66.00
tblConstructionPhase	NumDays	30.00	44.00
tblConstructionPhase	NumDays	30.00	131.00
tblConstructionPhase	NumDays	30.00	109.00
tblConstructionPhase	NumDays	30.00	21.00
tblConstructionPhase	NumDays	30.00	129.00
tblGrading	AcresOfGrading	10.50	52.50
tblGrading	AcresOfGrading	11.50	57.50
tblLandUse	LotAcreage	0.00	48.20
tblLandUse	Population	3.00	0.00
tblOffRoadEquipment	HorsePower	65.00	97.00
tblOffRoadEquipment	HorsePower	65.00	247.00
tblOffRoadEquipment	LoadFactor	0.37	0.40
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	2.00
tblOffRoadEquipment	PhaseName		SCV Landscaping
tblOffRoadEquipment	PhaseName		CV Landscaping

tblOffRoadEquipment	PhaseName		NV Landscaping
tblOffRoadEquipment	PhaseName		SV Landscaping
tblOnRoadDust	VendorPercentPave	100.00	98.00
tblOnRoadDust	VendorPercentPave	100.00	98.00
tblOnRoadDust	VendorPercentPave	100.00	98.00
tblOnRoadDust	VendorPercentPave	100.00	98.00
tblOnRoadDust	VendorPercentPave	100.00	98.00
tblOnRoadDust	VendorPercentPave	100.00	98.00
tblOnRoadDust	VendorPercentPave	100.00	98.00
tblOnRoadDust	VendorPercentPave	100.00	98.00
tblOnRoadDust	VendorPercentPave	100.00	98.00
tblOnRoadDust	VendorPercentPave	100.00	98.00
tblOnRoadDust	VendorPercentPave	100.00	98.00
tblOnRoadDust	VendorPercentPave	100.00	98.00
tblOnRoadDust	VendorPercentPave	100.00	98.00
tblOnRoadDust	VendorPercentPave	100.00	98.00
tblOnRoadDust	VendorPercentPave	100.00	98.00
tblOnRoadDust	VendorPercentPave	100.00	98.00
tblOnRoadDust	VendorPercentPave	100.00	98.00
tblOnRoadDust	VendorPercentPave	100.00	98.00
tblOnRoadDust	WorkerPercentPave	100.00	98.00
tblOnRoadDust	WorkerPercentPave	100.00	98.00
tblOnRoadDust	WorkerPercentPave	100.00	98.00
tblOnRoadDust	WorkerPercentPave	100.00	98.00
tblOnRoadDust	WorkerPercentPave	100.00	98.00
tblOnRoadDust	WorkerPercentPave	100.00	98.00

tblOnRoadDust	WorkerPercentPave	100.00	98.00
tblOnRoadDust	WorkerPercentPave	100.00	98.00
tblOnRoadDust	WorkerPercentPave	100.00	98.00
tblOnRoadDust	WorkerPercentPave	100.00	98.00
tblOnRoadDust	WorkerPercentPave	100.00	98.00
tblOnRoadDust	WorkerPercentPave	100.00	98.00
tblOnRoadDust	WorkerPercentPave	100.00	98.00
tblOnRoadDust	WorkerPercentPave	100.00	98.00
tblOnRoadDust	WorkerPercentPave	100.00	98.00
tblOnRoadDust	WorkerPercentPave	100.00	98.00
tblOnRoadDust	WorkerPercentPave	100.00	98.00
tblOnRoadDust	WorkerPercentPave	100.00	98.00
tblOnRoadDust	WorkerPercentPave	100.00	98.00
tblProjectCharacteristics	OperationalYear	2018	2021
tblTripsAndVMT	VendorTripNumber	0.00	4.00
tblTripsAndVMT	VendorTripNumber	0.00	4.00
tblTripsAndVMT	VendorTripNumber	0.00	4.00
tblTripsAndVMT	VendorTripNumber	0.00	4.00
tblTripsAndVMT	VendorTripNumber	0.00	4.00
tblTripsAndVMT	VendorTripNumber	0.00	10.00
tblTripsAndVMT	VendorTripNumber	0.00	4.00
tblTripsAndVMT	VendorTripNumber	0.00	4.00
tblTripsAndVMT	VendorTripNumber	0.00	4.00
tblTripsAndVMT	VendorTripNumber	0.00	10.00
tblTripsAndVMT	VendorTripNumber	0.00	4.00
tblTripsAndVMT	VendorTripNumber	0.00	4.00
tblTripsAndVMT	VendorTripNumber	0.00	4.00

tblTripsAndVMT	VendorTripNumber	0.00	10.00
tblTripsAndVMT	VendorTripNumber	0.00	4.00
tblTripsAndVMT	VendorTripNumber	0.00	4.00
tblTripsAndVMT	VendorTripNumber	0.00	4.00
tblTripsAndVMT	VendorTripNumber	0.00	4.00
tblTripsAndVMT	VendorTripNumber	0.00	10.00
tblTripsAndVMT	WorkerTripNumber	18.00	10.00
tblTripsAndVMT	WorkerTripNumber	5.00	4.00
tblTripsAndVMT	WorkerTripNumber	18.00	10.00
tblTripsAndVMT	WorkerTripNumber	18.00	10.00
tblTripsAndVMT	WorkerTripNumber	15.00	8.00
tblTripsAndVMT	WorkerTripNumber	15.00	8.00
tblTripsAndVMT	WorkerTripNumber	5.00	4.00
tblTripsAndVMT	WorkerTripNumber	20.00	10.00
tblTripsAndVMT	WorkerTripNumber	18.00	10.00
tblTripsAndVMT	WorkerTripNumber	15.00	8.00
tblTripsAndVMT	WorkerTripNumber	5.00	4.00
tblTripsAndVMT	WorkerTripNumber	20.00	10.00
tblTripsAndVMT	WorkerTripNumber	18.00	10.00
tblTripsAndVMT	WorkerTripNumber	15.00	8.00
tblTripsAndVMT	WorkerTripNumber	5.00	4.00
tblTripsAndVMT	WorkerTripNumber	18.00	10.00
tblTripsAndVMT	WorkerTripNumber	15.00	10.00
tblTripsAndVMT	WorkerTripNumber	18.00	10.00
tblTripsAndVMT	WorkerTripNumber	15.00	8.00

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2019	4.3927	46.0961	22.5005	0.0400	22.2120	2.3944	24.6064	10.3628	2.2030	12.5658	0.0000	3,971.8795	3,971.8795	1.2036	0.0000	4,001.9692
2020	4.1281	42.8931	21.9120	0.0400	22.2120	2.2002	24.4122	10.3628	2.0243	12.3871	0.0000	3,886.9923	3,886.9923	1.2030	0.0000	3,917.0680
2021	7.8697	81.8538	43.0466	0.0798	44.4239	2.0459	48.5157	20.7256	1.8823	24.4901	0.0000	7,767.2835	7,767.2835	2.4053	0.0000	7,827.4169
2022	4.0541	42.7197	33.2204	0.0670	24.9862	1.6362	26.8619	10.3628	1.5053	11.8476	0.0000	6,513.7572	6,513.7572	2.0063	0.0000	6,563.9150
2023	2.1584	21.9284	29.9853	0.0520	9.6460	0.5115	10.6691	1.0092	0.4706	1.9504	0.0000	5,098.5331	5,098.5331	1.4680	0.0000	5,135.2337
Maximum	**7.8697**	**81.8538**	**43.0466**	**0.0798**	**44.4239**	**2.3944**	**48.5157**	**20.7256**	**2.2030**	**24.4901**	**0.0000**	**7,767.2835**	**7,767.2835**	**2.4053**	**0.0000**	**7,827.4169**

2.1 Overall Construction (Maximum Daily Emission)

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2019	0.7218	12.4888	23.4054	0.0400	8.8840	0.0359	8.9199	4.0746	0.0382	4.1128	0.0000	3,971.8795	3,971.8795	1.2036	0.0000	4,001.9692
2020	0.7204	12.4877	23.3709	0.0400	8.8840	0.0393	8.9232	4.0746	0.0412	4.1158	0.0000	3,886.9923	3,886.9923	1.2030	0.0000	3,917.0680
2021	1.4398	24.9671	46.6909	0.0798	17.7679	0.0961	17.8522	8.1492	0.0960	8.2369	0.0000	7,767.2835	7,767.2835	2.4053	0.0000	7,827.4169
2022	1.2290	22.7525	41.1316	0.0670	10.1528	0.1331	10.3194	4.0746	0.1303	4.1223	0.0000	6,513.7572	6,513.7572	2.0063	0.0000	6,563.9150
2023	0.7611	21.6240	35.4082	0.0520	4.2841	0.0387	4.3616	0.4736	0.0387	0.5509	0.0000	5,098.5331	5,098.5331	1.4680	0.0000	5,135.2337
Maximum	**1.4398**	**24.9671**	**46.6909**	**0.0798**	**17.7679**	**0.1331**	**17.8522**	**8.1492**	**0.1303**	**8.2369**	**0.0000**	**7,767.2835**	**7,767.2835**	**2.4053**	**0.0000**	**7,827.4169**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**78.45**	**59.95**	**-12.84**	**0.00**	**59.53**	**96.10**	**62.70**	**60.54**	**95.74**	**66.57**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	1.5329	0.0308	1.9718	3.4300e-003		0.2653	0.2653		0.2653	0.2653	27.7717	11.7956	39.5673	0.0258	2.1800e-003	40.8626
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	**1.5329**	**0.0308**	**1.9718**	**3.4300e-003**	**0.0000**	**0.2653**	**0.2653**	**0.0000**	**0.2653**	**0.2653**	**27.7717**	**11.7956**	**39.5673**	**0.0258**	**2.1800e-003**	**40.8626**

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	1.5329	0.0308	1.9718	3.4300e-003		0.2653	0.2653		0.2653	0.2653	27.7717	11.7956	39.5673	0.0258	2.1800e-003	40.8626
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	**1.5329**	**0.0308**	**1.9718**	**3.4300e-003**	**0.0000**	**0.2653**	**0.2653**	**0.0000**	**0.2653**	**0.2653**	**27.7717**	**11.7956**	**39.5673**	**0.0258**	**2.1800e-003**	**40.8626**

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

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	SV Site Prep	Site Preparation	7/1/2019	7/31/2019	5	23	
2	SV Grading	Grading	4/30/2022	6/29/2022	5	43	
3	SV Utilities	Site Preparation	8/1/2019	1/30/2020	5	131	
4	SV Paving	Paving	10/19/2022	12/16/2022	5	43	
5	SV Landscaping	Site Preparation	1/31/2020	7/1/2020	5	109	
6	SCV Site Prep	Site Preparation	7/2/2020	7/30/2020	5	21	
7	SCV Grading	Grading	6/30/2022	8/1/2022	5	23	
8	SCV Utilities	Site Preparation	7/31/2020	1/27/2021	5	129	
9	SCV Paving	Paving	12/17/2022	1/17/2023	5	22	
10	SCV Landscaping	Site Preparation	1/28/2021	2/26/2021	5	22	
11	CV Site Prep	Site Preparation	2/27/2021	3/30/2021	5	22	
12	CV Utilities	Site Preparation	3/31/2021	9/29/2021	5	131	
13	CV Grading	Grading	8/2/2022	8/30/2022	5	21	
14	CV Paving	Paving	1/18/2023	2/16/2023	5	22	
15	CV Landscaping	Site Preparation	9/30/2021	11/26/2021	5	42	
16	NV Grading	Grading	8/31/2022	10/18/2022	5	35	
17	NV Utilities	Site Preparation	11/27/2021	2/28/2022	5	66	
18	NV Paving	Paving	2/17/2023	3/17/2023	5	21	
19	NV Landscaping	Site Preparation	3/1/2022	4/29/2022	5	44	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

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

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
SV Site Prep	Rubber Tired Dozers	3	8.00	247	0.40
SV Site Prep	Tractors/Loaders/Backhoes	4	8.00	97	0.37
SV Grading	Excavators	2	8.00	158	0.38
SV Grading	Graders	1	8.00	187	0.41
SV Grading	Rubber Tired Dozers	1	8.00	247	0.40
SV Grading	Scrapers	2	8.00	367	0.48
SV Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
SV Utilities	Rubber Tired Dozers	3	8.00	247	0.40
SV Utilities	Tractors/Loaders/Backhoes	4	8.00	97	0.37
SV Paving	Pavers	2	8.00	130	0.42
SV Paving	Paving Equipment	2	8.00	132	0.36
SV Paving	Rollers	2	8.00	80	0.38
SV Landscaping	Skid Steer Loaders	2	8.00	247	0.40
SCV Site Prep	Rubber Tired Dozers	3	8.00	247	0.40
SCV Site Prep	Tractors/Loaders/Backhoes	4	8.00	97	0.37
SCV Grading	Excavators	2	8.00	158	0.38
SCV Grading	Graders	1	8.00	187	0.41
SCV Grading	Rubber Tired Dozers	1	8.00	247	0.40

SCV Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
SCV Utilities	Rubber Tired Dozers	3	8.00	247	0.40
SCV Utilities	Tractors/Loaders/Backhoes	4	8.00	97	0.37
SCV Paving	Pavers	2	8.00	130	0.42
SCV Paving	Paving Equipment	2	8.00	132	0.36
SCV Paving	Rollers	2	8.00	80	0.38
SCV Landscaping	Skid Steer Loaders	2	8.00	97	0.37
CV Site Prep	Rubber Tired Dozers	3	8.00	247	0.40
CV Site Prep	Tractors/Loaders/Backhoes	4	8.00	97	0.37
CV Utilities	Rubber Tired Dozers	3	8.00	247	0.40
CV Utilities	Tractors/Loaders/Backhoes	4	8.00	97	0.37
CV Grading	Excavators	2	8.00	158	0.38
CV Grading	Graders	1	8.00	187	0.41
CV Grading	Rubber Tired Dozers	1	8.00	247	0.40
CV Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
CV Paving	Pavers	2	8.00	130	0.42
CV Paving	Paving Equipment	2	8.00	132	0.36
CV Paving	Rollers	2	8.00	80	0.38
CV Landscaping	Skid Steer Loaders	2	8.00	65	0.37
NV Grading	Excavators	2	8.00	158	0.38
NV Grading	Graders	1	8.00	187	0.41
NV Grading	Rubber Tired Dozers	1	8.00	247	0.40
NV Grading	Scrapers	2	8.00	367	0.48
NV Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
NV Utilities	Rubber Tired Dozers	3	8.00	247	0.40
NV Utilities	Tractors/Loaders/Backhoes	4	8.00	97	0.37
NV Paving	Pavers	2	8.00	130	0.42

NV Paving	Paving Equipment	2	8.00	132	0.36
NV Paving	Rollers	2	8.00	80	0.38
NV Landscaping	Skid Steer Loaders	2	8.00	65	0.37

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
SV Site Prep	7	10.00	4.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
SV Grading	8	10.00	4.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
SV Utilities	7	10.00	4.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
SV Paving	6	8.00	10.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
SV Landscaping	2	4.00	4.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
SCV Site Prep	7	10.00	4.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
SCV Grading	6	10.00	4.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
SCV Utilities	7	10.00	4.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
SCV Paving	6	8.00	10.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
SCV Landscaping	2	4.00	4.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
CV Site Prep	7	10.00	4.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
CV Utilities	7	10.00	4.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
CV Grading	6	8.00	4.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
CV Paving	6	8.00	10.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
CV Landscaping	2	4.00	4.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
NV Grading	8	10.00	4.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
NV Utilities	7	10.00	4.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
NV Paving	6	8.00	10.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
NV Landscaping	2	4.00	4.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Use Soil Stabilizer

Water Exposed Area

Water Unpaved Roads

Reduce Vehicle Speed on Unpaved Roads

3.2 SV Site Prep - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	4.3350	45.5727	22.0630	0.0380		2.3904	2.3904		2.1991	2.1991		3,766.4529	3,766.4529	1.1917		3,796.2445
Total	**4.3350**	**45.5727**	**22.0630**	**0.0380**	**18.0663**	**2.3904**	**20.4566**	**9.9307**	**2.1991**	**12.1298**		**3,766.4529**	**3,766.4529**	**1.1917**		**3,796.2445**

3.2 SV Site Prep - 2019

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0184	0.4960	0.1280	1.1000e-003	0.8862	3.4500e-003	0.8896	0.0935	3.3000e-003	0.0968		118.4067	118.4067	9.1400e-003		118.6352
Worker	0.0393	0.0274	0.3094	8.7000e-004	3.2596	5.9000e-004	3.2601	0.3387	5.4000e-004	0.3392		87.0200	87.0200	2.7800e-003		87.0894
Total	**0.0577**	**0.5234**	**0.4375**	**1.9700e-003**	**4.1457**	**4.0400e-003**	**4.1497**	**0.4321**	**3.8400e-003**	**0.4359**		**205.4266**	**205.4266**	**0.0119**		**205.7246**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					7.0458	0.0000	7.0458	3.8730	0.0000	3.8730			0.0000			0.0000
Off-Road	0.6641	11.9655	22.9679	0.0380		0.0319	0.0319		0.0344	0.0344	0.0000	3,766.4529	3,766.4529	1.1917		3,796.2445
Total	**0.6641**	**11.9655**	**22.9679**	**0.0380**	**7.0458**	**0.0319**	**7.0777**	**3.8730**	**0.0344**	**3.9074**	**0.0000**	**3,766.4529**	**3,766.4529**	**1.1917**		**3,796.2445**

3.2 SV Site Prep - 2019

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0184	0.4960	0.1280	1.1000e-003	0.3950	3.4500e-003	0.3985	0.0444	3.3000e-003	0.0477		118.4067	118.4067	9.1400e-003		118.6352
Worker	0.0393	0.0274	0.3094	8.7000e-004	1.4431	5.9000e-004	1.4437	0.1572	5.4000e-004	0.1577		87.0200	87.0200	2.7800e-003		87.0894
Total	**0.0577**	**0.5234**	**0.4375**	**1.9700e-003**	**1.8381**	**4.0400e-003**	**1.8422**	**0.2016**	**3.8400e-003**	**0.2055**		**205.4266**	**205.4266**	**0.0119**		**205.7246**

3.3 SV Grading - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					8.6733	0.0000	8.6733	3.5965	0.0000	3.5965			0.0000			0.0000
Off-Road	3.6248	38.8435	29.0415	0.0621		1.6349	1.6349		1.5041	1.5041		6,011.4105	6,011.4105	1.9442		6,060.0158
Total	**3.6248**	**38.8435**	**29.0415**	**0.0621**	**8.6733**	**1.6349**	**10.3082**	**3.5965**	**1.5041**	**5.1006**		**6,011.4105**	**6,011.4105**	**1.9442**		**6,060.0158**

3.3 SV Grading - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0113	0.3849	0.0983	1.0700e-003	0.8862	7.4000e-004	0.8869	0.0935	7.0000e-004	0.0942		115.4455	115.4455	8.0700e-003		115.6473
Worker	0.0327	0.0205	0.2466	7.9000e-004	3.2596	5.6000e-004	3.2601	0.3387	5.1000e-004	0.3392		78.4560	78.4560	2.1300e-003		78.5092
Total	**0.0440**	**0.4054**	**0.3450**	**1.8600e-003**	**4.1457**	**1.3000e-003**	**4.1470**	**0.4321**	**1.2100e-003**	**0.4333**		**193.9015**	**193.9015**	**0.0102**		**194.1566**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					3.3826	0.0000	3.3826	1.4026	0.0000	1.4026			0.0000			0.0000
Off-Road	1.0710	18.9887	36.4016	0.0621		0.1318	0.1318		0.1290	0.1290	0.0000	6,011.4105	6,011.4105	1.9442		6,060.0158
Total	**1.0710**	**18.9887**	**36.4016**	**0.0621**	**3.3826**	**0.1318**	**3.5144**	**1.4026**	**0.1290**	**1.5317**	**0.0000**	**6,011.4105**	**6,011.4105**	**1.9442**		**6,060.0158**

3.3 SV Grading - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0113	0.3849	0.0983	1.0700e-003	0.3950	7.4000e-004	0.3958	0.0444	7.0000e-004	0.0451		115.4455	115.4455	8.0700e-003		115.6473
Worker	0.0327	0.0205	0.2466	7.9000e-004	1.4431	5.6000e-004	1.4436	0.1572	5.1000e-004	0.1577		78.4560	78.4560	2.1300e-003		78.5092
Total	**0.0440**	**0.4054**	**0.3450**	**1.8600e-003**	**1.8381**	**1.3000e-003**	**1.8394**	**0.2016**	**1.2100e-003**	**0.2028**		**193.9015**	**193.9015**	**0.0102**		**194.1566**

3.4 SV Utilities - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	4.3350	45.5727	22.0630	0.0380		2.3904	2.3904		2.1991	2.1991		3,766.4529	3,766.4529	1.1917		3,796.2445
Total	**4.3350**	**45.5727**	**22.0630**	**0.0380**	**18.0663**	**2.3904**	**20.4566**	**9.9307**	**2.1991**	**12.1298**		**3,766.4529**	**3,766.4529**	**1.1917**		**3,796.2445**

3.4 SV Utilities - 2019

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0184	0.4960	0.1280	1.1000e-003	0.8862	3.4500e-003	0.8896	0.0935	3.3000e-003	0.0968		118.4067	118.4067	9.1400e-003		118.6352
Worker	0.0393	0.0274	0.3094	8.7000e-004	3.2596	5.9000e-004	3.2601	0.3387	5.4000e-004	0.3392		87.0200	87.0200	2.7800e-003		87.0894
Total	**0.0577**	**0.5234**	**0.4375**	**1.9700e-003**	**4.1457**	**4.0400e-003**	**4.1497**	**0.4321**	**3.8400e-003**	**0.4359**		**205.4266**	**205.4266**	**0.0119**		**205.7246**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					7.0458	0.0000	7.0458	3.8730	0.0000	3.8730			0.0000			0.0000
Off-Road	0.6641	11.9655	22.9679	0.0380		0.0319	0.0319		0.0344	0.0344	0.0000	3,766.4529	3,766.4529	1.1917		3,796.2445
Total	**0.6641**	**11.9655**	**22.9679**	**0.0380**	**7.0458**	**0.0319**	**7.0777**	**3.8730**	**0.0344**	**3.9074**	**0.0000**	**3,766.4529**	**3,766.4529**	**1.1917**		**3,796.2445**

3.4 SV Utilities - 2019

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0184	0.4960	0.1280	1.1000e-003	0.3950	3.4500e-003	0.3985	0.0444	3.3000e-003	0.0477		118.4067	118.4067	9.1400e-003		118.6352
Worker	0.0393	0.0274	0.3094	8.7000e-004	1.4431	5.9000e-004	1.4437	0.1572	5.4000e-004	0.1577		87.0200	87.0200	2.7800e-003		87.0894
Total	**0.0577**	**0.5234**	**0.4375**	**1.9700e-003**	**1.8381**	**4.0400e-003**	**1.8422**	**0.2016**	**3.8400e-003**	**0.2055**		**205.4266**	**205.4266**	**0.0119**		**205.7246**

3.4 SV Utilities - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	4.0765	42.4173	21.5136	0.0380		2.1974	2.1974		2.0216	2.0216		3,685.1016	3,685.1016	1.1918		3,714.8975
Total	**4.0765**	**42.4173**	**21.5136**	**0.0380**	**18.0663**	**2.1974**	**20.2637**	**9.9307**	**2.0216**	**11.9523**		**3,685.1016**	**3,685.1016**	**1.1918**		**3,714.8975**

3.4 SV Utilities - 2020

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0150	0.4510	0.1149	1.1000e-003	0.8862	2.2100e-003	0.8884	0.0935	2.1100e-003	0.0956		117.6160	117.6160	8.6800e-003		117.8330
Worker	0.0367	0.0247	0.2835	8.5000e-004	3.2596	5.8000e-004	3.2601	0.3387	5.3000e-004	0.3392		84.2747	84.2747	2.5200e-003		84.3376
Total	**0.0517**	**0.4758**	**0.3984**	**1.9500e-003**	**4.1457**	**2.7900e-003**	**4.1485**	**0.4321**	**2.6400e-003**	**0.4348**		**201.8907**	**201.8907**	**0.0112**		**202.1706**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					7.0458	0.0000	7.0458	3.8730	0.0000	3.8730			0.0000			0.0000
Off-Road	0.6688	12.0119	22.9725	0.0380		0.0365	0.0365		0.0386	0.0386	0.0000	3,685.1016	3,685.1016	1.1918		3,714.8975
Total	**0.6688**	**12.0119**	**22.9725**	**0.0380**	**7.0458**	**0.0365**	**7.0823**	**3.8730**	**0.0386**	**3.9116**	**0.0000**	**3,685.1016**	**3,685.1016**	**1.1918**		**3,714.8975**

3.4 SV Utilities - 2020

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0150	0.4510	0.1149	1.1000e-003	0.3950	2.2100e-003	0.3972	0.0444	2.1100e-003	0.0465		117.6160	117.6160	8.6800e-003		117.8330
Worker	0.0367	0.0247	0.2835	8.5000e-004	1.4431	5.8000e-004	1.4437	0.1572	5.3000e-004	0.1577		84.2747	84.2747	2.5200e-003		84.3376
Total	**0.0517**	**0.4758**	**0.3984**	**1.9500e-003**	**1.8381**	**2.7900e-003**	**1.8409**	**0.2016**	**2.6400e-003**	**0.2043**		**201.8907**	**201.8907**	**0.0112**		**202.1706**

3.5 SV Paving - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.1028	11.1249	14.5805	0.0228		0.5679	0.5679		0.5225	0.5225		2,207.6603	2,207.6603	0.7140		2,225.5104
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.1028**	**11.1249**	**14.5805**	**0.0228**		**0.5679**	**0.5679**		**0.5225**	**0.5225**		**2,207.6603**	**2,207.6603**	**0.7140**		**2,225.5104**

3.5 SV Paving - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0281	0.9623	0.2458	2.6800e-003	2.2154	1.8400e-003	2.2172	0.2337	1.7600e-003	0.2354		288.6138	288.6138	0.0202		289.1183
Worker	0.0262	0.0164	0.1973	6.3000e-004	2.6076	4.4000e-004	2.6081	0.2709	4.1000e-004	0.2713		62.7648	62.7648	1.7000e-003		62.8074
Total	**0.0543**	**0.9787**	**0.4431**	**3.3100e-003**	**4.8230**	**2.2800e-003**	**4.8253**	**0.5046**	**2.1700e-003**	**0.5068**		**351.3786**	**351.3786**	**0.0219**		**351.9257**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.3341	10.0395	17.2957	0.0228		0.0374	0.0374		0.0374	0.0374	0.0000	2,207.6603	2,207.6603	0.7140		2,225.5104
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**0.3341**	**10.0395**	**17.2957**	**0.0228**		**0.0374**	**0.0374**		**0.0374**	**0.0374**	**0.0000**	**2,207.6603**	**2,207.6603**	**0.7140**		**2,225.5104**

3.5 SV Paving - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0281	0.9623	0.2458	2.6800e-003	0.9876	1.8400e-003	0.9894	0.1110	1.7600e-003	0.1128		288.6138	288.6138	0.0202		289.1183
Worker	0.0262	0.0164	0.1973	6.3000e-004	1.1545	4.4000e-004	1.1549	0.1258	4.1000e-004	0.1262		62.7648	62.7648	1.7000e-003		62.8074
Total	**0.0543**	**0.9787**	**0.4431**	**3.3100e-003**	**2.1421**	**2.2800e-003**	**2.1443**	**0.2368**	**2.1700e-003**	**0.2390**		**351.3786**	**351.3786**	**0.0219**		**351.9257**

3.6 SV Landscaping - 2020

Unmitigated Construction On-Site

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

3.6 SV Landscaping - 2020

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0150	0.4510	0.1149	1.1000e-003	0.8862	2.2100e-003	0.8884	0.0935	2.1100e-003	0.0956		117.6160	117.6160	8.6800e-003		117.8330
Worker	0.0147	9.8900e-003	0.1134	3.4000e-004	1.3038	2.3000e-004	1.3041	0.1355	2.1000e-004	0.1357		33.7099	33.7099	1.0100e-003		33.7351
Total	**0.0296**	**0.4609**	**0.2283**	**1.4400e-003**	**2.1900**	**2.4400e-003**	**2.1924**	**0.2289**	**2.3200e-003**	**0.2312**		**151.3259**	**151.3259**	**9.6900e-003**		**151.5680**

Mitigated Construction On-Site

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

3.6 SV Landscaping - 2020

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0150	0.4510	0.1149	1.1000e-003	0.3950	2.2100e-003	0.3972	0.0444	2.1100e-003	0.0465		117.6160	117.6160	8.6800e-003		117.8330
Worker	0.0147	9.8900e-003	0.1134	3.4000e-004	0.5772	2.3000e-004	0.5775	0.0629	2.1000e-004	0.0631		33.7099	33.7099	1.0100e-003		33.7351
Total	**0.0296**	**0.4609**	**0.2283**	**1.4400e-003**	**0.9723**	**2.4400e-003**	**0.9747**	**0.1073**	**2.3200e-003**	**0.1096**		**151.3259**	**151.3259**	**9.6900e-003**		**151.5680**

3.7 SCV Site Prep - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	4.0765	42.4173	21.5136	0.0380		2.1974	2.1974		2.0216	2.0216		3,685.1016	3,685.1016	1.1918		3,714.8975
Total	**4.0765**	**42.4173**	**21.5136**	**0.0380**	**18.0663**	**2.1974**	**20.2637**	**9.9307**	**2.0216**	**11.9523**		**3,685.1016**	**3,685.1016**	**1.1918**		**3,714.8975**

3.7 SCV Site Prep - 2020

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0150	0.4510	0.1149	1.1000e-003	0.8862	2.2100e-003	0.8884	0.0935	2.1100e-003	0.0956		117.6160	117.6160	8.6800e-003		117.8330
Worker	0.0367	0.0247	0.2835	8.5000e-004	3.2596	5.8000e-004	3.2601	0.3387	5.3000e-004	0.3392		84.2747	84.2747	2.5200e-003		84.3376
Total	**0.0517**	**0.4758**	**0.3984**	**1.9500e-003**	**4.1457**	**2.7900e-003**	**4.1485**	**0.4321**	**2.6400e-003**	**0.4348**		**201.8907**	**201.8907**	**0.0112**		**202.1706**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					7.0458	0.0000	7.0458	3.8730	0.0000	3.8730			0.0000			0.0000
Off-Road	0.6688	12.0119	22.9725	0.0380		0.0365	0.0365		0.0386	0.0386	0.0000	3,685.1016	3,685.1016	1.1918		3,714.8975
Total	**0.6688**	**12.0119**	**22.9725**	**0.0380**	**7.0458**	**0.0365**	**7.0823**	**3.8730**	**0.0386**	**3.9116**	**0.0000**	**3,685.1016**	**3,685.1016**	**1.1918**		**3,714.8975**

3.7 SCV Site Prep - 2020

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0150	0.4510	0.1149	1.1000e-003	0.3950	2.2100e-003	0.3972	0.0444	2.1100e-003	0.0465		117.6160	117.6160	8.6800e-003		117.8330
Worker	0.0367	0.0247	0.2835	8.5000e-004	1.4431	5.8000e-004	1.4437	0.1572	5.3000e-004	0.1577		84.2747	84.2747	2.5200e-003		84.3376
Total	**0.0517**	**0.4758**	**0.3984**	**1.9500e-003**	**1.8381**	**2.7900e-003**	**1.8409**	**0.2016**	**2.6400e-003**	**0.2043**		**201.8907**	**201.8907**	**0.0112**		**202.1706**

3.8 SCV Grading - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					8.6733	0.0000	8.6733	3.5965	0.0000	3.5965			0.0000			0.0000
Off-Road	1.9864	20.9565	16.2899	0.0317		0.9366	0.9366		0.8617	0.8617		3,070.8227	3,070.8227	0.9932		3,095.6519
Total	**1.9864**	**20.9565**	**16.2899**	**0.0317**	**8.6733**	**0.9366**	**9.6100**	**3.5965**	**0.8617**	**4.4582**		**3,070.8227**	**3,070.8227**	**0.9932**		**3,095.6519**

3.8 SCV Grading - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0113	0.3849	0.0983	1.0700e-003	0.8862	7.4000e-004	0.8869	0.0935	7.0000e-004	0.0942		115.4455	115.4455	8.0700e-003		115.6473
Worker	0.0327	0.0205	0.2466	7.9000e-004	3.2596	5.6000e-004	3.2601	0.3387	5.1000e-004	0.3392		78.4560	78.4560	2.1300e-003		78.5092
Total	**0.0440**	**0.4054**	**0.3450**	**1.8600e-003**	**4.1457**	**1.3000e-003**	**4.1470**	**0.4321**	**1.2100e-003**	**0.4333**		**193.9015**	**193.9015**	**0.0102**		**194.1566**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					3.3826	0.0000	3.3826	1.4026	0.0000	1.4026			0.0000			0.0000
Off-Road	0.5738	10.9729	20.2455	0.0317		0.0821	0.0821		0.0793	0.0793	0.0000	3,070.8227	3,070.8227	0.9932		3,095.6519
Total	**0.5738**	**10.9729**	**20.2455**	**0.0317**	**3.3826**	**0.0821**	**3.4647**	**1.4026**	**0.0793**	**1.4820**	**0.0000**	**3,070.8227**	**3,070.8227**	**0.9932**		**3,095.6519**

3.8 SCV Grading - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0113	0.3849	0.0983	1.0700e-003	0.3950	7.4000e-004	0.3958	0.0444	7.0000e-004	0.0451		115.4455	115.4455	8.0700e-003		115.6473
Worker	0.0327	0.0205	0.2466	7.9000e-004	1.4431	5.6000e-004	1.4436	0.1572	5.1000e-004	0.1577		78.4560	78.4560	2.1300e-003		78.5092
Total	**0.0440**	**0.4054**	**0.3450**	**1.8600e-003**	**1.8381**	**1.3000e-003**	**1.8394**	**0.2016**	**1.2100e-003**	**0.2028**		**193.9015**	**193.9015**	**0.0102**		**194.1566**

3.9 SCV Utilities - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	4.0765	42.4173	21.5136	0.0380		2.1974	2.1974		2.0216	2.0216		3,685.1016	3,685.1016	1.1918		3,714.8975
Total	**4.0765**	**42.4173**	**21.5136**	**0.0380**	**18.0663**	**2.1974**	**20.2637**	**9.9307**	**2.0216**	**11.9523**		**3,685.1016**	**3,685.1016**	**1.1918**		**3,714.8975**

3.9 SCV Utilities - 2020

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0150	0.4510	0.1149	1.1000e-003	0.8862	2.2100e-003	0.8884	0.0935	2.1100e-003	0.0956		117.6160	117.6160	8.6800e-003		117.8330
Worker	0.0367	0.0247	0.2835	8.5000e-004	3.2596	5.8000e-004	3.2601	0.3387	5.3000e-004	0.3392		84.2747	84.2747	2.5200e-003		84.3376
Total	**0.0517**	**0.4758**	**0.3984**	**1.9500e-003**	**4.1457**	**2.7900e-003**	**4.1485**	**0.4321**	**2.6400e-003**	**0.4348**		**201.8907**	**201.8907**	**0.0112**		**202.1706**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					7.0458	0.0000	7.0458	3.8730	0.0000	3.8730			0.0000			0.0000
Off-Road	0.6688	12.0119	22.9725	0.0380		0.0365	0.0365		0.0386	0.0386	0.0000	3,685.1016	3,685.1016	1.1918		3,714.8975
Total	**0.6688**	**12.0119**	**22.9725**	**0.0380**	**7.0458**	**0.0365**	**7.0823**	**3.8730**	**0.0386**	**3.9116**	**0.0000**	**3,685.1016**	**3,685.1016**	**1.1918**		**3,714.8975**

3.9 SCV Utilities - 2020

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0150	0.4510	0.1149	1.1000e-003	0.3950	2.2100e-003	0.3972	0.0444	2.1100e-003	0.0465		117.6160	117.6160	8.6800e-003		117.8330
Worker	0.0367	0.0247	0.2835	8.5000e-004	1.4431	5.8000e-004	1.4437	0.1572	5.3000e-004	0.1577		84.2747	84.2747	2.5200e-003		84.3376
Total	**0.0517**	**0.4758**	**0.3984**	**1.9500e-003**	**1.8381**	**2.7900e-003**	**1.8409**	**0.2016**	**2.6400e-003**	**0.2043**		**201.8907**	**201.8907**	**0.0112**		**202.1706**

3.9 SCV Utilities - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	3.8882	40.4971	21.1543	0.0380		2.0445	2.0445		1.8809	1.8809		3,685.6569	3,685.6569	1.1920		3,715.4573
Total	**3.8882**	**40.4971**	**21.1543**	**0.0380**	**18.0663**	**2.0445**	**20.1107**	**9.9307**	**1.8809**	**11.8116**		**3,685.6569**	**3,685.6569**	**1.1920**		**3,715.4573**

3.9 SCV Utilities - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0121	0.4073	0.1038	1.0800e-003	0.8862	8.6000e-004	0.8870	0.0935	8.2000e-004	0.0943		116.5408	116.5408	8.3300e-003		116.7490
Worker	0.0346	0.0225	0.2652	8.2000e-004	3.2596	5.7000e-004	3.2601	0.3387	5.2000e-004	0.3392		81.4441	81.4441	2.3200e-003		81.5022
Total	**0.0467**	**0.4298**	**0.3690**	**1.9000e-003**	**4.1457**	**1.4300e-003**	**4.1471**	**0.4321**	**1.3400e-003**	**0.4335**		**197.9849**	**197.9849**	**0.0107**		**198.2512**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					7.0458	0.0000	7.0458	3.8730	0.0000	3.8730			0.0000			0.0000
Off-Road	0.6732	12.0538	22.9764	0.0380		0.0407	0.0407		0.0425	0.0425	0.0000	3,685.6569	3,685.6569	1.1920		3,715.4573
Total	**0.6732**	**12.0538**	**22.9764**	**0.0380**	**7.0458**	**0.0407**	**7.0866**	**3.8730**	**0.0425**	**3.9155**	**0.0000**	**3,685.6569**	**3,685.6569**	**1.1920**		**3,715.4573**

3.9 SCV Utilities - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0121	0.4073	0.1038	1.0800e-003	0.3950	8.6000e-004	0.3959	0.0444	8.2000e-004	0.0452		116.5408	116.5408	8.3300e-003		116.7490
Worker	0.0346	0.0225	0.2652	8.2000e-004	1.4431	5.7000e-004	1.4437	0.1572	5.2000e-004	0.1577		81.4441	81.4441	2.3200e-003		81.5022
Total	**0.0467**	**0.4298**	**0.3690**	**1.9000e-003**	**1.8381**	**1.4300e-003**	**1.8395**	**0.2016**	**1.3400e-003**	**0.2029**		**197.9849**	**197.9849**	**0.0107**		**198.2512**

3.10 SCV Paving - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.1028	11.1249	14.5805	0.0228		0.5679	0.5679		0.5225	0.5225		2,207.6603	2,207.6603	0.7140		2,225.5104
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.1028**	**11.1249**	**14.5805**	**0.0228**		**0.5679**	**0.5679**		**0.5225**	**0.5225**		**2,207.6603**	**2,207.6603**	**0.7140**		**2,225.5104**

3.10 SCV Paving - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0281	0.9623	0.2458	2.6800e-003	2.2154	1.8400e-003	2.2172	0.2337	1.7600e-003	0.2354		288.6138	288.6138	0.0202		289.1183
Worker	0.0262	0.0164	0.1973	6.3000e-004	2.6076	4.4000e-004	2.6081	0.2709	4.1000e-004	0.2713		62.7648	62.7648	1.7000e-003		62.8074
Total	**0.0543**	**0.9787**	**0.4431**	**3.3100e-003**	**4.8230**	**2.2800e-003**	**4.8253**	**0.5046**	**2.1700e-003**	**0.5068**		**351.3786**	**351.3786**	**0.0219**		**351.9257**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.3341	10.0395	17.2957	0.0228		0.0374	0.0374		0.0374	0.0374	0.0000	2,207.6603	2,207.6603	0.7140		2,225.5104
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**0.3341**	**10.0395**	**17.2957**	**0.0228**		**0.0374**	**0.0374**		**0.0374**	**0.0374**	**0.0000**	**2,207.6603**	**2,207.6603**	**0.7140**		**2,225.5104**

3.10 SCV Paving - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0281	0.9623	0.2458	2.6800e-003	0.9876	1.8400e-003	0.9894	0.1110	1.7600e-003	0.1128		288.6138	288.6138	0.0202		289.1183
Worker	0.0262	0.0164	0.1973	6.3000e-004	1.1545	4.4000e-004	1.1549	0.1258	4.1000e-004	0.1262		62.7648	62.7648	1.7000e-003		62.8074
Total	**0.0543**	**0.9787**	**0.4431**	**3.3100e-003**	**2.1421**	**2.2800e-003**	**2.1443**	**0.2368**	**2.1700e-003**	**0.2390**		**351.3786**	**351.3786**	**0.0219**		**351.9257**

3.10 SCV Paving - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.0327	10.1917	14.5842	0.0228		0.5102	0.5102		0.4694	0.4694		2,207.5841	2,207.5841	0.7140		2,225.4336
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.0327**	**10.1917**	**14.5842**	**0.0228**		**0.5102**	**0.5102**		**0.4694**	**0.4694**		**2,207.5841**	**2,207.5841**	**0.7140**		**2,225.4336**

3.10 SCV Paving - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0217	0.7576	0.2251	2.6000e-003	2.2154	8.9000e-004	2.2163	0.2337	8.5000e-004	0.2345		281.3170	281.3170	0.0185		281.7789
Worker	0.0248	0.0150	0.1833	6.1000e-004	2.6076	4.4000e-004	2.6081	0.2709	4.0000e-004	0.2713		60.3654	60.3654	1.5600e-003		60.4044
Total	**0.0465**	**0.7726**	**0.4084**	**3.2100e-003**	**4.8230**	**1.3300e-003**	**4.8243**	**0.5046**	**1.2500e-003**	**0.5058**		**341.6824**	**341.6824**	**0.0200**		**342.1833**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.3341	10.0395	17.2957	0.0228		0.0374	0.0374		0.0374	0.0374	0.0000	2,207.5841	2,207.5841	0.7140		2,225.4336
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**0.3341**	**10.0395**	**17.2957**	**0.0228**		**0.0374**	**0.0374**		**0.0374**	**0.0374**	**0.0000**	**2,207.5841**	**2,207.5841**	**0.7140**		**2,225.4336**

3.10 SCV Paving - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0217	0.7576	0.2251	2.6000e-003	0.9876	8.9000e-004	0.9885	0.1110	8.5000e-004	0.1119		281.3170	281.3170	0.0185		281.7789
Worker	0.0248	0.0150	0.1833	6.1000e-004	1.1545	4.4000e-004	1.1549	0.1258	4.0000e-004	0.1262		60.3654	60.3654	1.5600e-003		60.4044
Total	**0.0465**	**0.7726**	**0.4084**	**3.2100e-003**	**2.1421**	**1.3300e-003**	**2.1434**	**0.2368**	**1.2500e-003**	**0.2380**		**341.6824**	**341.6824**	**0.0200**		**342.1833**

3.11 SCV Landscaping - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.2253	2.9952	4.1485	6.1700e-003		0.1219	0.1219		0.1121	0.1121		597.5151	597.5151	0.1933		602.3464
Total	**0.2253**	**2.9952**	**4.1485**	**6.1700e-003**	**0.0000**	**0.1219**	**0.1219**	**0.0000**	**0.1121**	**0.1121**		**597.5151**	**597.5151**	**0.1933**		**602.3464**

3.11 SCV Landscaping - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0121	0.4073	0.1038	1.0800e-003	0.8862	8.6000e-004	0.8870	0.0935	8.2000e-004	0.0943		116.5408	116.5408	8.3300e-003		116.7490
Worker	0.0138	8.9900e-003	0.1061	3.3000e-004	1.3038	2.3000e-004	1.3041	0.1355	2.1000e-004	0.1357		32.5776	32.5776	9.3000e-004		32.6009
Total	**0.0259**	**0.4163**	**0.2099**	**1.4100e-003**	**2.1900**	**1.0900e-003**	**2.1911**	**0.2289**	**1.0300e-003**	**0.2300**		**149.1184**	**149.1184**	**9.2600e-003**		**149.3498**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.1393	2.7092	4.6841	6.1700e-003		0.0101	0.0101		0.0101	0.0101	0.0000	597.5151	597.5151	0.1933		602.3464
Total	**0.1393**	**2.7092**	**4.6841**	**6.1700e-003**	**0.0000**	**0.0101**	**0.0101**	**0.0000**	**0.0101**	**0.0101**	**0.0000**	**597.5151**	**597.5151**	**0.1933**		**602.3464**

3.11 SCV Landscaping - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0121	0.4073	0.1038	1.0800e-003	0.3950	8.6000e-004	0.3959	0.0444	8.2000e-004	0.0452		116.5408	116.5408	8.3300e-003		116.7490
Worker	0.0138	8.9900e-003	0.1061	3.3000e-004	0.5772	2.3000e-004	0.5775	0.0629	2.1000e-004	0.0631		32.5776	32.5776	9.3000e-004		32.6009
Total	**0.0259**	**0.4163**	**0.2099**	**1.4100e-003**	**0.9723**	**1.0900e-003**	**0.9734**	**0.1073**	**1.0300e-003**	**0.1083**		**149.1184**	**149.1184**	**9.2600e-003**		**149.3498**

3.12 CV Site Prep - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	3.8882	40.4971	21.1543	0.0380		2.0445	2.0445		1.8809	1.8809		3,685.6569	3,685.6569	1.1920		3,715.4573
Total	**3.8882**	**40.4971**	**21.1543**	**0.0380**	**18.0663**	**2.0445**	**20.1107**	**9.9307**	**1.8809**	**11.8116**		**3,685.6569**	**3,685.6569**	**1.1920**		**3,715.4573**

3.12 CV Site Prep - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0121	0.4073	0.1038	1.0800e-003	0.8862	8.6000e-004	0.8870	0.0935	8.2000e-004	0.0943		116.5408	116.5408	8.3300e-003		116.7490
Worker	0.0346	0.0225	0.2652	8.2000e-004	3.2596	5.7000e-004	3.2601	0.3387	5.2000e-004	0.3392		81.4441	81.4441	2.3200e-003		81.5022
Total	**0.0467**	**0.4298**	**0.3690**	**1.9000e-003**	**4.1457**	**1.4300e-003**	**4.1471**	**0.4321**	**1.3400e-003**	**0.4335**		**197.9849**	**197.9849**	**0.0107**		**198.2512**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					7.0458	0.0000	7.0458	3.8730	0.0000	3.8730			0.0000			0.0000
Off-Road	0.6732	12.0538	22.9764	0.0380		0.0407	0.0407		0.0425	0.0425	0.0000	3,685.6569	3,685.6569	1.1920		3,715.4573
Total	**0.6732**	**12.0538**	**22.9764**	**0.0380**	**7.0458**	**0.0407**	**7.0866**	**3.8730**	**0.0425**	**3.9155**	**0.0000**	**3,685.6569**	**3,685.6569**	**1.1920**		**3,715.4573**

3.12 CV Site Prep - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0121	0.4073	0.1038	1.0800e-003	0.3950	8.6000e-004	0.3959	0.0444	8.2000e-004	0.0452		116.5408	116.5408	8.3300e-003		116.7490
Worker	0.0346	0.0225	0.2652	8.2000e-004	1.4431	5.7000e-004	1.4437	0.1572	5.2000e-004	0.1577		81.4441	81.4441	2.3200e-003		81.5022
Total	**0.0467**	**0.4298**	**0.3690**	**1.9000e-003**	**1.8381**	**1.4300e-003**	**1.8395**	**0.2016**	**1.3400e-003**	**0.2029**		**197.9849**	**197.9849**	**0.0107**		**198.2512**

3.13 CV Utilities - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	3.8882	40.4971	21.1543	0.0380		2.0445	2.0445		1.8809	1.8809		3,685.6569	3,685.6569	1.1920		3,715.4573
Total	**3.8882**	**40.4971**	**21.1543**	**0.0380**	**18.0663**	**2.0445**	**20.1107**	**9.9307**	**1.8809**	**11.8116**		**3,685.6569**	**3,685.6569**	**1.1920**		**3,715.4573**

3.13 CV Utilities - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0121	0.4073	0.1038	1.0800e-003	0.8862	8.6000e-004	0.8870	0.0935	8.2000e-004	0.0943		116.5408	116.5408	8.3300e-003		116.7490
Worker	0.0346	0.0225	0.2652	8.2000e-004	3.2596	5.7000e-004	3.2601	0.3387	5.2000e-004	0.3392		81.4441	81.4441	2.3200e-003		81.5022
Total	**0.0467**	**0.4298**	**0.3690**	**1.9000e-003**	**4.1457**	**1.4300e-003**	**4.1471**	**0.4321**	**1.3400e-003**	**0.4335**		**197.9849**	**197.9849**	**0.0107**		**198.2512**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					7.0458	0.0000	7.0458	3.8730	0.0000	3.8730			0.0000			0.0000
Off-Road	0.6732	12.0538	22.9764	0.0380		0.0407	0.0407		0.0425	0.0425	0.0000	3,685.6569	3,685.6569	1.1920		3,715.4573
Total	**0.6732**	**12.0538**	**22.9764**	**0.0380**	**7.0458**	**0.0407**	**7.0866**	**3.8730**	**0.0425**	**3.9155**	**0.0000**	**3,685.6569**	**3,685.6569**	**1.1920**		**3,715.4573**

3.13 CV Utilities - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0121	0.4073	0.1038	1.0800e-003	0.3950	8.6000e-004	0.3959	0.0444	8.2000e-004	0.0452		116.5408	116.5408	8.3300e-003		116.7490
Worker	0.0346	0.0225	0.2652	8.2000e-004	1.4431	5.7000e-004	1.4437	0.1572	5.2000e-004	0.1577		81.4441	81.4441	2.3200e-003		81.5022
Total	**0.0467**	**0.4298**	**0.3690**	**1.9000e-003**	**1.8381**	**1.4300e-003**	**1.8395**	**0.2016**	**1.3400e-003**	**0.2029**		**197.9849**	**197.9849**	**0.0107**		**198.2512**

3.14 CV Grading - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					8.6733	0.0000	8.6733	3.5965	0.0000	3.5965			0.0000			0.0000
Off-Road	1.9864	20.9565	16.2899	0.0317		0.9366	0.9366		0.8617	0.8617		3,070.8227	3,070.8227	0.9932		3,095.6519
Total	**1.9864**	**20.9565**	**16.2899**	**0.0317**	**8.6733**	**0.9366**	**9.6100**	**3.5965**	**0.8617**	**4.4582**		**3,070.8227**	**3,070.8227**	**0.9932**		**3,095.6519**

3.14 CV Grading - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0113	0.3849	0.0983	1.0700e-003	0.8862	7.4000e-004	0.8869	0.0935	7.0000e-004	0.0942		115.4455	115.4455	8.0700e-003		115.6473
Worker	0.0262	0.0164	0.1973	6.3000e-004	2.6076	4.4000e-004	2.6081	0.2709	4.1000e-004	0.2713		62.7648	62.7648	1.7000e-003		62.8074
Total	**0.0374**	**0.4013**	**0.2956**	**1.7000e-003**	**3.4938**	**1.1800e-003**	**3.4950**	**0.3644**	**1.1100e-003**	**0.3655**		**178.2103**	**178.2103**	**9.7700e-003**		**178.4547**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					3.3826	0.0000	3.3826	1.4026	0.0000	1.4026			0.0000			0.0000
Off-Road	0.5738	10.9729	20.2455	0.0317		0.0821	0.0821		0.0793	0.0793	0.0000	3,070.8227	3,070.8227	0.9932		3,095.6519
Total	**0.5738**	**10.9729**	**20.2455**	**0.0317**	**3.3826**	**0.0821**	**3.4647**	**1.4026**	**0.0793**	**1.4820**	**0.0000**	**3,070.8227**	**3,070.8227**	**0.9932**		**3,095.6519**

3.14 CV Grading - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0113	0.3849	0.0983	1.0700e-003	0.3950	7.4000e-004	0.3958	0.0444	7.0000e-004	0.0451		115.4455	115.4455	8.0700e-003		115.6473
Worker	0.0262	0.0164	0.1973	6.3000e-004	1.1545	4.4000e-004	1.1549	0.1258	4.1000e-004	0.1262		62.7648	62.7648	1.7000e-003		62.8074
Total	**0.0374**	**0.4013**	**0.2956**	**1.7000e-003**	**1.5495**	**1.1800e-003**	**1.5507**	**0.1702**	**1.1100e-003**	**0.1713**		**178.2103**	**178.2103**	**9.7700e-003**		**178.4547**

3.15 CV Paving - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.0327	10.1917	14.5842	0.0228		0.5102	0.5102		0.4694	0.4694		2,207.5841	2,207.5841	0.7140		2,225.4336
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.0327**	**10.1917**	**14.5842**	**0.0228**		**0.5102**	**0.5102**		**0.4694**	**0.4694**		**2,207.5841**	**2,207.5841**	**0.7140**		**2,225.4336**

3.15 CV Paving - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0217	0.7576	0.2251	2.6000e-003	2.2154	8.9000e-004	2.2163	0.2337	8.5000e-004	0.2345		281.3170	281.3170	0.0185		281.7789
Worker	0.0248	0.0150	0.1833	6.1000e-004	2.6076	4.4000e-004	2.6081	0.2709	4.0000e-004	0.2713		60.3654	60.3654	1.5600e-003		60.4044
Total	**0.0465**	**0.7726**	**0.4084**	**3.2100e-003**	**4.8230**	**1.3300e-003**	**4.8243**	**0.5046**	**1.2500e-003**	**0.5058**		**341.6824**	**341.6824**	**0.0200**		**342.1833**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.3341	10.0395	17.2957	0.0228		0.0374	0.0374		0.0374	0.0374	0.0000	2,207.5841	2,207.5841	0.7140		2,225.4336
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**0.3341**	**10.0395**	**17.2957**	**0.0228**		**0.0374**	**0.0374**		**0.0374**	**0.0374**	**0.0000**	**2,207.5841**	**2,207.5841**	**0.7140**		**2,225.4336**

3.15 CV Paving - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0217	0.7576	0.2251	2.6000e-003	0.9876	8.9000e-004	0.9885	0.1110	8.5000e-004	0.1119		281.3170	281.3170	0.0185		281.7789
Worker	0.0248	0.0150	0.1833	6.1000e-004	1.1545	4.4000e-004	1.1549	0.1258	4.0000e-004	0.1262		60.3654	60.3654	1.5600e-003		60.4044
Total	**0.0465**	**0.7726**	**0.4084**	**3.2100e-003**	**2.1421**	**1.3300e-003**	**2.1434**	**0.2368**	**1.2500e-003**	**0.2380**		**341.6824**	**341.6824**	**0.0200**		**342.1833**

3.16 CV Landscaping - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.1510	2.0071	2.7799	4.1400e-003		0.0817	0.0817		0.0751	0.0751		400.3967	400.3967	0.1295		403.6342
Total	**0.1510**	**2.0071**	**2.7799**	**4.1400e-003**	**0.0000**	**0.0817**	**0.0817**	**0.0000**	**0.0751**	**0.0751**		**400.3967**	**400.3967**	**0.1295**		**403.6342**

3.16 CV Landscaping - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0121	0.4073	0.1038	1.0800e-003	0.8862	8.6000e-004	0.8870	0.0935	8.2000e-004	0.0943		116.5408	116.5408	8.3300e-003		116.7490
Worker	0.0138	8.9900e-003	0.1061	3.3000e-004	1.3038	2.3000e-004	1.3041	0.1355	2.1000e-004	0.1357		32.5776	32.5776	9.3000e-004		32.6009
Total	**0.0259**	**0.4163**	**0.2099**	**1.4100e-003**	**2.1900**	**1.0900e-003**	**2.1911**	**0.2289**	**1.0300e-003**	**0.2300**		**149.1184**	**149.1184**	**9.2600e-003**		**149.3498**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.1018	2.3245	3.1389	4.1400e-003		0.0950	0.0950		0.0950	0.0950	0.0000	400.3967	400.3967	0.1295		403.6342
Total	**0.1018**	**2.3245**	**3.1389**	**4.1400e-003**	**0.0000**	**0.0950**	**0.0950**	**0.0000**	**0.0950**	**0.0950**	**0.0000**	**400.3967**	**400.3967**	**0.1295**		**403.6342**

3.16 CV Landscaping - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0121	0.4073	0.1038	1.0800e-003	0.3950	8.6000e-004	0.3959	0.0444	8.2000e-004	0.0452		116.5408	116.5408	8.3300e-003		116.7490
Worker	0.0138	8.9900e-003	0.1061	3.3000e-004	0.5772	2.3000e-004	0.5775	0.0629	2.1000e-004	0.0631		32.5776	32.5776	9.3000e-004		32.6009
Total	**0.0259**	**0.4163**	**0.2099**	**1.4100e-003**	**0.9723**	**1.0900e-003**	**0.9734**	**0.1073**	**1.0300e-003**	**0.1083**		**149.1184**	**149.1184**	**9.2600e-003**		**149.3498**

3.17 NV Grading - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					8.6733	0.0000	8.6733	3.5965	0.0000	3.5965			0.0000			0.0000
Off-Road	3.6248	38.8435	29.0415	0.0621		1.6349	1.6349		1.5041	1.5041		6,011.4105	6,011.4105	1.9442		6,060.0158
Total	**3.6248**	**38.8435**	**29.0415**	**0.0621**	**8.6733**	**1.6349**	**10.3082**	**3.5965**	**1.5041**	**5.1006**		**6,011.4105**	**6,011.4105**	**1.9442**		**6,060.0158**

3.17 NV Grading - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0113	0.3849	0.0983	1.0700e-003	0.8862	7.4000e-004	0.8869	0.0935	7.0000e-004	0.0942		115.4455	115.4455	8.0700e-003		115.6473
Worker	0.0327	0.0205	0.2466	7.9000e-004	3.2596	5.6000e-004	3.2601	0.3387	5.1000e-004	0.3392		78.4560	78.4560	2.1300e-003		78.5092
Total	**0.0440**	**0.4054**	**0.3450**	**1.8600e-003**	**4.1457**	**1.3000e-003**	**4.1470**	**0.4321**	**1.2100e-003**	**0.4333**		**193.9015**	**193.9015**	**0.0102**		**194.1566**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					3.3826	0.0000	3.3826	1.4026	0.0000	1.4026			0.0000			0.0000
Off-Road	1.0710	18.9887	36.4016	0.0621		0.1318	0.1318		0.1290	0.1290	0.0000	6,011.4105	6,011.4105	1.9442		6,060.0158
Total	**1.0710**	**18.9887**	**36.4016**	**0.0621**	**3.3826**	**0.1318**	**3.5144**	**1.4026**	**0.1290**	**1.5317**	**0.0000**	**6,011.4105**	**6,011.4105**	**1.9442**		**6,060.0158**

3.17 NV Grading - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0113	0.3849	0.0983	1.0700e-003	0.3950	7.4000e-004	0.3958	0.0444	7.0000e-004	0.0451		115.4455	115.4455	8.0700e-003		115.6473
Worker	0.0327	0.0205	0.2466	7.9000e-004	1.4431	5.6000e-004	1.4436	0.1572	5.1000e-004	0.1577		78.4560	78.4560	2.1300e-003		78.5092
Total	**0.0440**	**0.4054**	**0.3450**	**1.8600e-003**	**1.8381**	**1.3000e-003**	**1.8394**	**0.2016**	**1.2100e-003**	**0.2028**		**193.9015**	**193.9015**	**0.0102**		**194.1566**

3.18 NV Utilities - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	3.8882	40.4971	21.1543	0.0380		2.0445	2.0445		1.8809	1.8809		3,685.6569	3,685.6569	1.1920		3,715.4573
Total	**3.8882**	**40.4971**	**21.1543**	**0.0380**	**18.0663**	**2.0445**	**20.1107**	**9.9307**	**1.8809**	**11.8116**		**3,685.6569**	**3,685.6569**	**1.1920**		**3,715.4573**

3.18 NV Utilities - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0121	0.4073	0.1038	1.0800e-003	0.8862	8.6000e-004	0.8870	0.0935	8.2000e-004	0.0943		116.5408	116.5408	8.3300e-003		116.7490
Worker	0.0346	0.0225	0.2652	8.2000e-004	3.2596	5.7000e-004	3.2601	0.3387	5.2000e-004	0.3392		81.4441	81.4441	2.3200e-003		81.5022
Total	**0.0467**	**0.4298**	**0.3690**	**1.9000e-003**	**4.1457**	**1.4300e-003**	**4.1471**	**0.4321**	**1.3400e-003**	**0.4335**		**197.9849**	**197.9849**	**0.0107**		**198.2512**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					7.0458	0.0000	7.0458	3.8730	0.0000	3.8730			0.0000			0.0000
Off-Road	0.6732	12.0538	22.9764	0.0380		0.0407	0.0407		0.0425	0.0425	0.0000	3,685.6569	3,685.6569	1.1920		3,715.4573
Total	**0.6732**	**12.0538**	**22.9764**	**0.0380**	**7.0458**	**0.0407**	**7.0866**	**3.8730**	**0.0425**	**3.9155**	**0.0000**	**3,685.6569**	**3,685.6569**	**1.1920**		**3,715.4573**

3.18 NV Utilities - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0121	0.4073	0.1038	1.0800e-003	0.3950	8.6000e-004	0.3959	0.0444	8.2000e-004	0.0452		116.5408	116.5408	8.3300e-003		116.7490
Worker	0.0346	0.0225	0.2652	8.2000e-004	1.4431	5.7000e-004	1.4437	0.1572	5.2000e-004	0.1577		81.4441	81.4441	2.3200e-003		81.5022
Total	**0.0467**	**0.4298**	**0.3690**	**1.9000e-003**	**1.8381**	**1.4300e-003**	**1.8395**	**0.2016**	**1.3400e-003**	**0.2029**		**197.9849**	**197.9849**	**0.0107**		**198.2512**

3.18 NV Utilities - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	3.1701	33.0835	19.6978	0.0380		1.6126	1.6126		1.4836	1.4836		3,686.0619	3,686.0619	1.1922		3,715.8655
Total	**3.1701**	**33.0835**	**19.6978**	**0.0380**	**18.0663**	**1.6126**	**19.6788**	**9.9307**	**1.4836**	**11.4143**		**3,686.0619**	**3,686.0619**	**1.1922**		**3,715.8655**

3.18 NV Utilities - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0113	0.3849	0.0983	1.0700e-003	0.8862	7.4000e-004	0.8869	0.0935	7.0000e-004	0.0942		115.4455	115.4455	8.0700e-003		115.6473
Worker	0.0327	0.0205	0.2466	7.9000e-004	3.2596	5.6000e-004	3.2601	0.3387	5.1000e-004	0.3392		78.4560	78.4560	2.1300e-003		78.5092
Total	**0.0440**	**0.4054**	**0.3450**	**1.8600e-003**	**4.1457**	**1.3000e-003**	**4.1470**	**0.4321**	**1.2100e-003**	**0.4333**		**193.9015**	**193.9015**	**0.0102**		**194.1566**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					7.0458	0.0000	7.0458	3.8730	0.0000	3.8730			0.0000			0.0000
Off-Road	0.6777	12.0978	22.9809	0.0380		0.0451	0.0451		0.0465	0.0465	0.0000	3,686.0619	3,686.0619	1.1922		3,715.8655
Total	**0.6777**	**12.0978**	**22.9809**	**0.0380**	**7.0458**	**0.0451**	**7.0909**	**3.8730**	**0.0465**	**3.9195**	**0.0000**	**3,686.0619**	**3,686.0619**	**1.1922**		**3,715.8655**

3.18 NV Utilities - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0113	0.3849	0.0983	1.0700e-003	0.3950	7.4000e-004	0.3958	0.0444	7.0000e-004	0.0451		115.4455	115.4455	8.0700e-003		115.6473
Worker	0.0327	0.0205	0.2466	7.9000e-004	1.4431	5.6000e-004	1.4436	0.1572	5.1000e-004	0.1577		78.4560	78.4560	2.1300e-003		78.5092
Total	**0.0440**	**0.4054**	**0.3450**	**1.8600e-003**	**1.8381**	**1.3000e-003**	**1.8394**	**0.2016**	**1.2100e-003**	**0.2028**		**193.9015**	**193.9015**	**0.0102**		**194.1566**

3.19 NV Paving - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.0327	10.1917	14.5842	0.0228		0.5102	0.5102		0.4694	0.4694		2,207.5841	2,207.5841	0.7140		2,225.4336
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.0327**	**10.1917**	**14.5842**	**0.0228**		**0.5102**	**0.5102**		**0.4694**	**0.4694**		**2,207.5841**	**2,207.5841**	**0.7140**		**2,225.4336**

3.19 NV Paving - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0217	0.7576	0.2251	2.6000e-003	2.2154	8.9000e-004	2.2163	0.2337	8.5000e-004	0.2345		281.3170	281.3170	0.0185		281.7789
Worker	0.0248	0.0150	0.1833	6.1000e-004	2.6076	4.4000e-004	2.6081	0.2709	4.0000e-004	0.2713		60.3654	60.3654	1.5600e-003		60.4044
Total	**0.0465**	**0.7726**	**0.4084**	**3.2100e-003**	**4.8230**	**1.3300e-003**	**4.8243**	**0.5046**	**1.2500e-003**	**0.5058**		**341.6824**	**341.6824**	**0.0200**		**342.1833**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.3341	10.0395	17.2957	0.0228		0.0374	0.0374		0.0374	0.0374	0.0000	2,207.5841	2,207.5841	0.7140		2,225.4336
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**0.3341**	**10.0395**	**17.2957**	**0.0228**		**0.0374**	**0.0374**		**0.0374**	**0.0374**	**0.0000**	**2,207.5841**	**2,207.5841**	**0.7140**		**2,225.4336**

3.19 NV Paving - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0217	0.7576	0.2251	2.6000e-003	0.9876	8.9000e-004	0.9885	0.1110	8.5000e-004	0.1119		281.3170	281.3170	0.0185		281.7789
Worker	0.0248	0.0150	0.1833	6.1000e-004	1.1545	4.4000e-004	1.1549	0.1258	4.0000e-004	0.1262		60.3654	60.3654	1.5600e-003		60.4044
Total	**0.0465**	**0.7726**	**0.4084**	**3.2100e-003**	**2.1421**	**1.3300e-003**	**2.1434**	**0.2368**	**1.2500e-003**	**0.2380**		**341.6824**	**341.6824**	**0.0200**		**342.1833**

3.20 NV Landscaping - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.1392	1.8572	2.7744	4.1400e-003		0.0690	0.0690		0.0635	0.0635		400.7825	400.7825	0.1296		404.0230
Total	**0.1392**	**1.8572**	**2.7744**	**4.1400e-003**	**0.0000**	**0.0690**	**0.0690**	**0.0000**	**0.0635**	**0.0635**		**400.7825**	**400.7825**	**0.1296**		**404.0230**

3.20 NV Landscaping - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0113	0.3849	0.0983	1.0700e-003	0.8862	7.4000e-004	0.8869	0.0935	7.0000e-004	0.0942		115.4455	115.4455	8.0700e-003		115.6473
Worker	0.0131	8.2000e-003	0.0987	3.1000e-004	1.3038	2.2000e-004	1.3040	0.1355	2.0000e-004	0.1357		31.3824	31.3824	8.5000e-004		31.4037
Total	**0.0243**	**0.3931**	**0.1970**	**1.3800e-003**	**2.1900**	**9.6000e-004**	**2.1909**	**0.2289**	**9.0000e-004**	**0.2298**		**146.8279**	**146.8279**	**8.9200e-003**		**147.0510**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.1018	2.3245	3.1389	4.1400e-003		0.0950	0.0950		0.0950	0.0950	0.0000	400.7825	400.7825	0.1296		404.0230
Total	**0.1018**	**2.3245**	**3.1389**	**4.1400e-003**	**0.0000**	**0.0950**	**0.0950**	**0.0000**	**0.0950**	**0.0950**	**0.0000**	**400.7825**	**400.7825**	**0.1296**		**404.0230**

3.20 NV Landscaping - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0113	0.3849	0.0983	1.0700e-003	0.3950	7.4000e-004	0.3958	0.0444	7.0000e-004	0.0451		115.4455	115.4455	8.0700e-003		115.6473
Worker	0.0131	8.2000e-003	0.0987	3.1000e-004	0.5772	2.2000e-004	0.5775	0.0629	2.0000e-004	0.0631		31.3824	31.3824	8.5000e-004		31.4037
Total	**0.0243**	**0.3931**	**0.1970**	**1.3800e-003**	**0.9723**	**9.6000e-004**	**0.9732**	**0.1073**	**9.0000e-004**	**0.1082**		**146.8279**	**146.8279**	**8.9200e-003**		**147.0510**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

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

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
User Defined Residential	0.00	0.00	0.00		
Total	0.00	0.00	0.00		

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
User Defined Residential	10.80	7.30	7.50	41.60	18.80	39.60	0	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
User Defined Residential	0.593936	0.041843	0.182569	0.108325	0.016436	0.005513	0.015940	0.023523	0.001912	0.001972	0.006090	0.000748	0.001193

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

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

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
User Defined Residential	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
User Defined Residential	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	1.5329	0.0308	1.9718	3.4300e-003		0.2653	0.2653		0.2653	0.2653	27.7717	11.7956	39.5673	0.0258	2.1800e-003	40.8626
Unmitigated	1.5329	0.0308	1.9718	3.4300e-003		0.2653	0.2653		0.2653	0.2653	27.7717	11.7956	39.5673	0.0258	2.1800e-003	40.8626

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	1.5304	0.0299	1.8891	3.4200e-003		0.2649	0.2649		0.2649	0.2649	27.7717	11.6471	39.4188	0.0256	2.1800e-003	40.7105
Landscaping	2.5100e-003	9.5000e-004	0.0827	0.0000		4.6000e-004	4.6000e-004		4.6000e-004	4.6000e-004		0.1486	0.1486	1.4000e-004		0.1522
Total	**1.5329**	**0.0308**	**1.9718**	**3.4200e-003**		**0.2653**	**0.2653**		**0.2653**	**0.2653**	**27.7717**	**11.7956**	**39.5673**	**0.0258**	**2.1800e-003**	**40.8626**

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	1.5304	0.0299	1.8891	3.4200e-003		0.2649	0.2649		0.2649	0.2649	27.7717	11.6471	39.4188	0.0256	2.1800e-003	40.7105
Landscaping	2.5100e-003	9.5000e-004	0.0827	0.0000		4.6000e-004	4.6000e-004		4.6000e-004	4.6000e-004		0.1486	0.1486	1.4000e-004		0.1522
Total	**1.5329**	**0.0308**	**1.9718**	**3.4200e-003**		**0.2653**	**0.2653**		**0.2653**	**0.2653**	**27.7717**	**11.7956**	**39.5673**	**0.0258**	**2.1800e-003**	**40.8626**

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

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

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

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

Boilers

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

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

Proctor Valley EIR - Offsite

San Diego County, Mitigation Report

Construction Mitigation Summary

Phase	ROG	NOx	CO	SO2	Exhaust PM10	Exhaust PM2.5	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction												
CV Grading	0.70	0.47	-0.24	0.00	0.91	0.91	0.00	0.00	0.00	0.00	0.00	0.00
CV Landscaping	0.28	-0.13	-0.12	0.00	-0.17	-0.26	0.00	0.00	0.00	0.00	0.00	0.00
CV Paving	0.65	0.01	-0.18	0.00	0.93	0.92	0.00	0.00	0.00	0.00	0.00	0.00
CV Site Prep	0.82	0.69	-0.08	0.00	0.98	0.98	0.00	0.00	0.00	0.00	0.00	0.00
CV Utilities	0.82	0.69	-0.08	0.00	0.98	0.98	0.00	0.00	0.00	0.00	0.00	0.00
NV Grading	0.70	0.51	-0.25	0.00	0.92	0.91	0.00	0.00	0.00	0.00	0.00	0.00
NV Landscaping	0.23	-0.21	-0.12	0.00	-0.37	-0.49	0.00	0.00	0.00	0.00	0.00	0.00
NV Paving	0.65	0.01	-0.18	0.00	0.93	0.92	0.00	0.00	0.00	0.00	0.00	0.00
NV Utilities	0.79	0.66	-0.13	0.00	0.97	0.97	0.00	0.00	0.00	0.00	0.00	0.00
SCV Grading	0.70	0.47	-0.24	0.00	0.91	0.91	0.00	0.00	0.00	0.00	0.00	0.00
SCV Landscaping	0.34	0.08	-0.12	0.00	0.91	0.90	0.00	0.00	0.00	0.00	0.00	0.00
SCV Paving	0.66	0.05	-0.18	0.00	0.93	0.92	0.00	0.00	0.00	0.00	0.00	0.00
SCV Site Prep	0.83	0.71	-0.07	0.00	0.98	0.98	0.00	0.00	0.00	0.00	0.00	0.00
SCV Utilities	0.82	0.71	-0.07	0.00	0.98	0.98	0.00	0.00	0.00	0.00	0.00	0.00
SV Grading	0.70	0.51	-0.25	0.00	0.92	0.91	0.00	0.00	0.00	0.00	0.00	0.00
SV Landscaping	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SV Paving	0.66	0.09	-0.18	0.00	0.93	0.92	0.00	0.00	0.00	0.00	0.00	0.00
SV Site Prep	0.84	0.73	-0.04	0.00	0.98	0.98	0.00	0.00	0.00	0.00	0.00	0.00
SV Utilities	0.83	0.73	-0.04	0.00	0.98	0.98	0.00	0.00	0.00	0.00	0.00	0.00

OFFROAD Equipment Mitigation

Equipment Type	Fuel Type	Tier	Number Mitigated	Total Number of Equipment	DPF	Oxidation Catalyst
Excavators	Diesel	Tier 4 Interim	6	8	No Change	0.00
Graders	Diesel	Tier 4 Interim	4	4	No Change	0.00
Pavers	Diesel	Tier 4 Interim	8	8	No Change	0.00
Paving Equipment	Diesel	Tier 4 Interim	8	8	No Change	0.00
Rollers	Diesel	Tier 4 Interim	8	8	No Change	0.00
Rubber Tired Dozers	Diesel	Tier 4 Interim	25	25	No Change	0.00
Scrapers	Diesel	Tier 4 Interim	4	4	No Change	0.00
Skid Steer Loaders	Diesel	Tier 4 Interim	8	8	No Change	0.00
Tractors/Loaders/Backhoes	Diesel	Tier 4 Interim	38	36	No Change	0.00

Equipment Type	ROG	NOx	CO	SO2	Exhaust PM10	Exhaust PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	Unmitigated tons/yr						Unmitigated mt/yr					
Excavators	2.47000E-002	2.16790E-001	3.97130E-001	6.30000E-004	1.04800E-002	9.64000E-003	0.00000E+000	5.53400E+001	5.53400E+001	1.79000E-002	0.00000E+000	5.57874E+001
Graders	2.53100E-002	3.20710E-001	1.05030E-001	4.00000E-004	1.02000E-002	9.38000E-003	0.00000E+000	3.54873E+001	3.54873E+001	1.14800E-002	0.00000E+000	3.57742E+001
Pavers	2.15200E-002	2.14790E-001	3.11420E-001	5.10000E-004	1.01600E-002	9.34000E-003	0.00000E+000	4.46023E+001	4.46023E+001	1.44300E-002	0.00000E+000	4.49629E+001
Paving Equipment	1.88400E-002	1.80260E-001	2.75560E-001	4.40000E-004	8.78000E-003	8.08000E-003	0.00000E+000	3.86484E+001	3.86484E+001	1.25000E-002	0.00000E+000	3.89608E+001
Rollers	1.72700E-002	1.80030E-001	2.00470E-001	2.80000E-004	1.01400E-002	9.33000E-003	0.00000E+000	2.48963E+001	2.48963E+001	8.05000E-003	0.00000E+000	2.50976E+001
Rubber Tired Dozers	8.84140E-001	9.31072E+000	3.42841E+000	7.21000E-003	4.52400E-001	4.16210E-001	0.00000E+000	6.37809E+002	6.37809E+002	2.05210E-001	0.00000E+000	6.42940E+002
Scrapers	6.39000E-002	6.97590E-001	4.97310E-001	1.18000E-003	2.72300E-002	2.50500E-002	0.00000E+000	1.04039E+002	1.04039E+002	3.36500E-002	0.00000E+000	1.04880E+002
Skid Steer Loaders	8.71000E-003	1.15950E-001	1.65050E-001	2.50000E-004	4.57000E-003	4.21000E-003	0.00000E+000	2.15894E+001	2.15894E+001	6.98000E-003	0.00000E+000	2.17639E+001
Tractors/Loaders/ Backhoes	2.32960E-001	2.35002E+000	2.65257E+000	3.63000E-003	1.44350E-001	1.32800E-001	0.00000E+000	3.20448E+002	3.20448E+002	1.03120E-001	0.00000E+000	3.23026E+002

Equipment Type	ROG	NOx	CO	SO2	Exhaust PM10	Exhaust PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	Mitigated tons/yr						Mitigated mt/yr					
Excavators	1.19900E-002	2.62510E-001	4.57780E-001	6.30000E-004	3.40000E-003	3.19000E-003	0.00000E+000	5.53399E+001	5.53399E+001	1.79000E-002	0.00000E+000	5.57873E+001
Graders	6.60000E-003	1.06410E-001	2.14460E-001	4.00000E-004	6.60000E-004	6.60000E-004	0.00000E+000	3.54872E+001	3.54872E+001	1.14800E-002	0.00000E+000	3.57742E+001
Pavers	6.24000E-003	2.23600E-001	3.84810E-001	5.10000E-004	8.30000E-004	8.30000E-004	0.00000E+000	4.46023E+001	4.46023E+001	1.44300E-002	0.00000E+000	4.49629E+001
Paving Equipment	5.43000E-003	1.94610E-001	3.34910E-001	4.40000E-004	7.20000E-004	7.20000E-004	0.00000E+000	3.86483E+001	3.86483E+001	1.25000E-002	0.00000E+000	3.89608E+001
Rollers	6.37000E-003	1.23920E-001	2.14250E-001	2.80000E-004	4.60000E-004	4.60000E-004	0.00000E+000	2.48962E+001	2.48962E+001	8.05000E-003	0.00000E+000	2.50975E+001
Rubber Tired Dozers	1.17860E-001	1.90057E+000	3.83061E+000	7.21000E-003	1.17900E-002	1.17900E-002	0.00000E+000	6.37808E+002	6.37808E+002	2.05210E-001	0.00000E+000	6.42939E+002
Scrapers	1.93900E-002	3.12620E-001	6.30080E-001	1.18000E-003	1.94000E-003	1.94000E-003	0.00000E+000	1.04038E+002	1.04038E+002	3.36500E-002	0.00000E+000	1.04880E+002
Skid Steer Loaders	5.91000E-003	1.29750E-001	1.86500E-001	2.50000E-004	4.20000E-003	4.20000E-003	0.00000E+000	2.15894E+001	2.15894E+001	6.98000E-003	0.00000E+000	2.17639E+001
Tractors/Loaders/Backhoes	7.37500E-002	1.54378E+000	2.73968E+000	3.63000E-003	-1.01000E-003	-4.30000E-004	0.00000E+000	3.20448E+002	3.20448E+002	1.03120E-001	0.00000E+000	3.23026E+002

Equipment Type	ROG	NOx	CO	SO2	Exhaust PM10	Exhaust PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	Percent Reduction											
Excavators	5.14575E-001	-2.10895E-001	-1.52721E-001	0.00000E+000	6.75573E-001	6.69087E-001	0.00000E+000	1.26491E-006	1.26491E-006	0.00000E+000	0.00000E+000	1.25476E-006
Graders	7.39234E-001	6.68205E-001	-1.04189E+000	0.00000E+000	9.35294E-001	9.29638E-001	0.00000E+000	1.40896E-006	1.40896E-006	0.00000E+000	0.00000E+000	1.11812E-006
Pavers	7.10037E-001	-4.10168E-002	-2.35662E-001	0.00000E+000	9.18307E-001	9.11135E-001	0.00000E+000	1.12102E-006	1.12102E-006	0.00000E+000	0.00000E+000	1.33443E-006
Paving Equipment	7.11783E-001	-7.96072E-002	-2.15380E-001	0.00000E+000	9.17995E-001	9.10891E-001	0.00000E+000	1.29372E-006	1.29372E-006	0.00000E+000	0.00000E+000	1.28334E-006
Rollers	6.31152E-001	3.11670E-001	-6.87385E-002	0.00000E+000	9.54635E-001	9.50697E-001	0.00000E+000	1.20500E-006	1.20500E-006	0.00000E+000	0.00000E+000	1.19534E-006
Rubber Tired Dozers	8.66695E-001	7.95873E-001	-1.17314E-001	0.00000E+000	9.73939E-001	9.71673E-001	0.00000E+000	1.19158E-006	1.19158E-006	0.00000E+000	0.00000E+000	1.19762E-006
Scrapers	6.96557E-001	5.51857E-001	-2.66976E-001	0.00000E+000	9.28755E-001	9.22555E-001	0.00000E+000	1.15342E-006	1.15342E-006	0.00000E+000	0.00000E+000	1.14417E-006
Skid Steer Loaders	3.21470E-001	-1.19017E-001	-1.29961E-001	0.00000E+000	8.09628E-002	2.37530E-003	0.00000E+000	1.38957E-006	1.38957E-006	0.00000E+000	0.00000E+000	1.37843E-006
Tractors/Loaders/Backhoes	6.83422E-001	3.43078E-001	-3.28398E-002	0.00000E+000	1.00700E+000	1.00324E+000	0.00000E+000	1.18584E-006	1.18584E-006	0.00000E+000	0.00000E+000	1.17638E-006

Fugitive Dust Mitigation

Yes/No	Mitigation Measure	Mitigation Input		Mitigation Input		Mitigation Input	
Yes	Soil Stabilizer for unpaved Roads	PM10 Reduction	30.00	PM2.5 Reduction	30.00		
No	Replace Ground Cover of Area Disturbed	PM10 Reduction	0.00	PM2.5 Reduction	0.00		
Yes	Water Exposed Area	PM10 Reduction	61.00	PM2.5 Reduction	61.00	Frequency (per day)	3.00
Yes	Unpaved Road Mitigation	Moisture Content %	0.50	Vehicle Speed (mph)	15.00		
No	Clean Paved Road	% PM Reduction	0.00				

		Unmitigated		Mitigated		Percent Reduction	
Phase	Source	PM10	PM2.5	PM10	PM2.5	PM10	PM2.5
CV Grading	Fugitive Dust	0.09	0.04	0.04	0.01	0.61	0.61
CV Grading	Roads	0.03	0.00	0.01	0.00	0.56	0.53
CV Landscaping	Fugitive Dust	0.00	0.00	0.00	0.00	0.00	0.00
CV Landscaping	Roads	0.04	0.00	0.02	0.00	0.55	0.53
CV Paving	Fugitive Dust	0.00	0.00	0.00	0.00	0.00	0.00
CV Paving	Roads	0.05	0.00	0.02	0.00	0.55	0.53
CV Site Prep	Fugitive Dust	0.20	0.11	0.08	0.04	0.61	0.61
CV Site Prep	Roads	0.04	0.00	0.02	0.00	0.56	0.53
CV Utilities	Fugitive Dust	1.18	0.65	0.46	0.25	0.61	0.61
CV Utilities	Roads	0.24	0.03	0.11	0.01	0.56	0.53
NV Grading	Fugitive Dust	0.15	0.06	0.06	0.02	0.61	0.61

NV Grading	Roads	0.06	0.01	0.03	0.00	0.56	0.53
NV Landscaping	Fugitive Dust	0.00	0.00	0.00	0.00	0.00	0.00
NV Landscaping	Roads	0.04	0.00	0.02	0.00	0.55	0.53
NV Paving	Fugitive Dust	0.00	0.00	0.00	0.00	0.00	0.00
NV Paving	Roads	0.05	0.00	0.02	0.00	0.55	0.53
NV Utilities	Fugitive Dust	1.19	0.66	0.47	0.26	0.61	0.61
NV Utilities	Roads	0.12	0.01	0.05	0.01	0.56	0.53
SCV Grading	Fugitive Dust	0.10	0.04	0.04	0.02	0.61	0.61
SCV Grading	Roads	0.04	0.00	0.02	0.00	0.56	0.53
SCV Landscaping	Fugitive Dust	0.00	0.00	0.00	0.00	0.00	0.00
SCV Landscaping	Roads	0.02	0.00	0.01	0.00	0.55	0.53
SCV Paving	Fugitive Dust	0.00	0.00	0.00	0.00	0.00	0.00
SCV Paving	Roads	0.05	0.00	0.02	0.00	0.55	0.53
SCV Site Prep	Fugitive Dust	0.19	0.10	0.07	0.04	0.61	0.61
SCV Site Prep	Roads	0.04	0.00	0.02	0.00	0.56	0.53
SCV Utilities	Fugitive Dust	2.33	1.28	0.91	0.50	0.61	0.61
SCV Utilities	Roads	0.24	0.02	0.11	0.01	0.56	0.53
SV Grading	Fugitive Dust	0.19	0.08	0.07	0.03	0.61	0.61
SV Grading	Roads	0.08	0.01	0.04	0.00	0.56	0.53
SV Landscaping	Fugitive Dust	0.00	0.00	0.00	0.00	0.00	0.00
SV Landscaping	Roads	0.11	0.01	0.05	0.01	0.55	0.53
SV Paving	Fugitive Dust	0.00	0.00	0.00	0.00	0.00	0.00
SV Paving	Roads	0.09	0.01	0.04	0.00	0.55	0.53
SV Site Prep	Fugitive Dust	0.21	0.11	0.08	0.04	0.61	0.61

SV Site Prep	Roads	0.04	0.00	0.02	0.00	0.56	0.53
SV Utilities	Fugitive Dust	2.37	1.30	0.92	0.51	0.61	0.61
SV Utilities	Roads	0.24	0.03	0.11	0.01	0.56	0.53

Operational Percent Reduction Summary

Category	ROG	NOx	CO	SO2	Exhaust PM10	Exhaust PM2.5	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction												
Architectural Coating	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Consumer Products	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Electricity	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hearth	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Landscaping	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Mobile	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Natural Gas	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Water Indoor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Water Outdoor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Operational Mobile Mitigation

Project Setting:

Mitigation	Category	Measure	% Reduction	Input Value 1	Input Value 2	Input Value
No	Land Use	Increase Density	0.00			
No	Land Use	Increase Diversity	0.00	0.15		
No	Land Use	Improve Walkability Design	0.00			

No	Land Use	Improve Destination Accessibility	0.00			
No	Land Use	Increase Transit Accessibility	0.25			
No	Land Use	Integrate Below Market Rate Housing	0.00			
	Land Use	Land Use SubTotal	0.00			
No	Neighborhood Enhancements	Improve Pedestrian Network				
No	Neighborhood Enhancements	Provide Traffic Calming Measures				
No	Neighborhood Enhancements	Implement NEV Network	0.00			
	Neighborhood Enhancements	Neighborhood Enhancements Subtotal	0.00			
No	Parking Policy Pricing	Limit Parking Supply	0.00			
No	Parking Policy Pricing	Unbundle Parking Costs	0.00			
No	Parking Policy Pricing	On-street Market Pricing	0.00			
	Parking Policy Pricing	Parking Policy Pricing Subtotal	0.00			
No	Transit Improvements	Provide BRT System	0.00			
No	Transit Improvements	Expand Transit Network	0.00			
No	Transit Improvements	Increase Transit Frequency	0.00			
	Transit Improvements	Transit Improvements Subtotal	0.00			
		Land Use and Site Enhancement Subtotal	0.00			
No	Commute	Implement Trip Reduction Program				
No	Commute	Transit Subsidy				
No	Commute	Implement Employee Parking "Cash Out"				
No	Commute	Workplace Parking Charge				
No	Commute	Encourage Telecommuting and Alternative Work Schedules	0.00			

No	Commute	Market Commute Trip Reduction Option	0.00			
No	Commute	Employee Vanpool/Shuttle	0.00		2.00	
No	Commute	Provide Ride Sharing Program				
	Commute	Commute Subtotal	0.00			
No	School Trip	Implement School Bus Program	0.00			
		Total VMT Reduction	0.00			

Area Mitigation

Measure Implemented	Mitigation Measure	Input Value
No	Only Natural Gas Hearth	
No	No Hearth	
No	Use Low VOC Cleaning Supplies	
No	Use Low VOC Paint (Residential Interior)	250.00
No	Use Low VOC Paint (Residential Exterior)	250.00
No	Use Low VOC Paint (Non-residential Interior)	250.00
No	Use Low VOC Paint (Non-residential Exterior)	250.00
No	Use Low VOC Paint (Parking)	0.00
No	% Electric Lawnmower	
No	% Electric Leafblower	
No	% Electric Chainsaw	

Energy Mitigation Measures

Measure Implemented	Mitigation Measure	Input Value 1	Input Value 2
No	Exceed Title 24		

No	Install High Efficiency Lighting		
No	On-site Renewable		

Appliance Type	Land Use Subtype	% Improvement
ClothWasher		30.00
DishWasher		15.00
Fan		50.00
Refrigerator		15.00

Water Mitigation Measures

Measure Implemented	Mitigation Measure	Input Value 1	Input Value 2
No	Apply Water Conservation on Strategy		
No	Use Reclaimed Water		
No	Use Grey Water		
No	Install low-flow bathroom faucet	32.00	
No	Install low-flow Kitchen faucet	18.00	
No	Install low-flow Toilet	20.00	
No	Install low-flow Shower	20.00	
No	Turf Reduction		
No	Use Water Efficient Irrigation Systems	6.10	
No	Water Efficient Landscape		

Solid Waste Mitigation

Mitigation Measures	Input Value

Institute Recycling and Composting Services Percent Reduction in Waste Disposed	

CalEEMod Input Sheet
Project Characteristics

Table 1: Project Detail			
Project Characteristic (unit)	**Analyst Input**	**Notes**	**Source**
Project Name	Proctor Valley EIR - Offsite	Notes	Project Description
Project Location	San Diego County	--	
Wind speed (m/s)	default		
Precipitation Frequency (days)	default		
CEC Climate Forecasting Zone	13	--	CalEEMod Appendix E
Land Use Setting	Urban	based on availability of uses	--
Start of Construction	1-Jul-19	Offsite Schedule	Proctor Valley EIR Assumptions
Operational Year	N/A		

Table 2: Utility Information			
Project Characteristic (unit)	**Analyst Input**	**Notes**	**Source**
Select Utility Company	N/A		
CO2 Intensity Factor (lb./Mwh)			
CH4 Intensity Factor (lb./Mwh)			
N20 Intensity Factor (lb./Mwh)			

CalEEMod Input Sheet
Project Characteristics

Table 3: Pollutants			
Pollutant Selection	**Pollutant Full Name**	**Notes**	**Source**
checked	ROG	--	--
checked	NOx	--	--
checked	CO	--	--
checked	SO2	--	--
checked	PM 10	--	--
checked	PM 2.5	--	--
checked	Fugitive PM 10	--	--
checked	Fugitive PM 2.5	--	--
checked	Biogenic CO2	--	--
checked	Non-biogenic CO2	--	--
checked	CO2	--	--
checked	CH4	--	--
checked	N20	--	--
checked	CO2e	--	--

Table 4 pertains to operational emissions and is therefore omitted

CalEEMod Input Sheet
Construction Phase

Table 5: Construction					
Phase Name	**Phase Type**	**Start Date**	**End Date**	**Days/Week**	**Total Days**
SV Site Prep	Site Preperation	1-Jul-19	31-Jul-19	5 days/week	23
SV Grading	Grading	1-Aug-19	30-Sep-19	5 days/week	43
SV Utilities	Site Preperation	1-Oct-19	31-Mar-20	5 days/week	131
SV Paving	Paving	1-Apr-20	31-May-20	5 days/week	43
SV Landscaping	Site Preperation	1-May-20	30-Sep-20	5 days/week	109
SCV Site Prep	Site Preperation	1-Nov-20	30-Nov-20	5 days/week	21
SCV Grading	Grading	1-Dec-20	31-Dec-20	5 days/week	23
SCV Utilities	Site Preperation	1-Jan-21	30-Jun-21	5 days/week	129
SCV Paving	Paving	1-Jul-21	31-Jul-21	5 days/week	22
SCV Landscaping	Site Preperation	1-Aug-21	31-Aug-21	5 days/week	22
CV Site Prep	Site Preperation	1-Jun-22	30-Jun-22	5 days/week	22
CV Grading	Grading	1-Jul-22	31-Jul-22	5 days/week	21
CV Utilities	Site Preperation	1-Jul-22	31-Dec-22	5 days/week	131
CV Paving	Paving	1-Dec-22	31-Dec-22	5 days/week	22
CV Landscaping	Site Preperation	1-Jan-23	28-Feb-23	5 days/week	42
NV Grading	Grading	1-Apr-23	21-May-23	5 days/week	35
NV Utilities	Site Preperation	1-May-23	31-Jul-23	5 days/week	66
NV Paving	Paving	1-Jul-23	31-Jul-23	5 days/week	21
NV Landscaping	Site Preperation	1-Aug-23	30-Sep-23	5 days/week	44

CalEEMod Input Sheet
Construction Phase

Table 6: Off-Road Equipment					
Phase Name	**Equipment Type**	**Unit Amount**	**Hours/Day**	**Horsepower (hp)**	**Load Factor**
SV Site Prep	default				
SV Grading					
SV Utilities					
SV Paving					
SV Landscaping	Skid Steer	2	default		
SCV Site Prep	default				
SCV Grading					
SCV Utilities					
SCV Paving					
SCV Landscaping	Skid Steer	2	default		
CV Site Prep	default				
CV Grading					
CV Utilities					
CV Paving					
CV Landscaping	Skid Steer	2	default		
NV Grading	default				
NV Utilities					
NV Paving					
NV Landscaping	Skid Steer	2	default		

CalEEMod Input Sheet
Construction Phase

Table 7: Dust from Material Movement								
Phase Name	**Material Imported**	**Material Exported**	**Size Metric**	**Material Import/ Export Phased?**	**Mean Vehicle Speed (mph)**	**Total Acres Graded**	**Material Moisture Content (%) Bulldozing**	**Material Silt Content**
SV Grading	default					23.2	default	
SCV Grading						5.3		
CV Grading						7.2		
NV Grading						12.6		

Table 8: Demolition		
Phase Name	**Size Metric**	**Unit Amount**
default		

CalEEMod Input Sheet
Construction Phase

Table 9: Construction Trips and VMT									
Phase Name	**# Trips Worker (/day)**	**# Trips Vendor (/day)**	**Total # Trips Hauling**	**Trip Length Worker (miles)**	**Trip Length Worker (miles)**	**Trip Length Hauling (miles)**	**Vehicle Class Worker**	**Vehicle Class Vendor**	**Vehicle Class Hauling**
SV Site Prep	Refer to Construction VMT Worksheet								
SV Grading									
SV Utilities									
SV Paving									
SV Landscaping									
SCV Site Prep									
SCV Grading									
SCV Utilities									
SCV Paving									
SCV Landscaping									
CV Site Prep									
CV Grading									
CV Utilities									
CV Paving									
CV Landscaping									
NV Grading									
NV Utilities									
NV Paving									
NV Landscaping									

CalEEMod Input Sheet
Construction Phase

Table 10: On-Road Fugitive Dust								
Phase Name	**% Pave Worker**	**% Pave Vendor**	**% Pave Hauling**	**Road Silt Loading (g/m2)**	**Material Silt Content (%)**	**Material Moisture Content (%)**	**Average Vehicle Weight (tons)**	**Mean Vehicle Speed (mph)**
SV Site Prep	default							
SV Grading								
SV Utilities								
SV Paving								
SV Landscaping								
SCV Site Prep								
SCV Grading								
SCV Utilities								
SCV Paving								
SCV Landscaping								
CV Site Prep								
CV Grading								
CV Utilities								
CV Paving								
CV Landscaping								
NV Grading								
NV Utilities								
NV Paving								
NV Landscaping								

Table 11: Architectural Coating										
Phase Name	**Residential Interior VOC (g/L)**	**Residential Interior Area (sqft)**	**Residential Exterior VOC (g/L)**	**Residential Exterior Area (sqft)**	**Non-Residential Interior VOC (g/L)**	**Non-Residential Interior Area (sqft)**	**Non-Residential Exterior VOC (g/L)**	**Non-Residential Exterior Area (sqft)**	**VOC for Parking Lot Paint (g/L)**	**Parking Area (sqft)**
N/A										

Tables 12 through 31 pertain to operational emissions and are therefore omitted

CalEEMod Input Sheet
Construction Mitigation

Table 32: Off-Road Equipment						
Equipment Type	**Fuel Type**	**Engine Tier**	**Number of Equipments Mitigated**	**Total Number of Off-road Equipments**	**DPF Level**	**Using Oxidation Catalyst (% Reduction)**
All Tier 4 Interim						

Table 33: Fugitive Dust	
Soil Stabilizer for Unpaved Roads	
PM 10 (% Reduction)	30
PM 2.5 (% Reduction)	30
Replace Ground Cover of Area Disturbed	
PM 10 (% Reduction)	--
PM 2.5 (% Reduction)	--
Water Exposed Area	
Frequency (per day)	3
PM 10 (% Reduction)	default
PM 2.5 (% Reduction)	
Unpaved Road Mitigation	
Moisture Content (%)	--
Vehicle Speed (mph)	15
Clean Paved Road	
% PM Reduction	--

CalEEMod Version: CalEEMod.2016.3.1 Date: 9/1/2017 4:57 PM

Proctor Valley Road
San Diego County, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
User Defined Residential	1.00	Dwelling Unit	48.24	0.00	3

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.6	**Precipitation Freq (Days)**	40
Climate Zone	13			**Operational Year**	2022
Utility Company	San Diego Gas & Electric				
CO2 Intensity (lb/MWhr)	720.49	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - total graded area

Construction Phase - Refer to CalEEMod Input Matrix Table 5

Off-road Equipment - Refer to CalEEMod Input Matrix Table 6

Trips and VMT - Refer to CalEEMod Input Matrix Table 9

Woodstoves - No operational emissions

Consumer Products - No operational emissions

Table Name	Column Name	Default Value	New Value
tblConstDustMitigation	WaterUnpavedRoadMoistureContent	0	0.5
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	40	15
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	8.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	8.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	8.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	8.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	15.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	20.00
tblConstEquipMitigation	Tier	No Change	Tier 4 Interim
tblConstEquipMitigation	Tier	No Change	Tier 4 Interim
tblConstEquipMitigation	Tier	No Change	Tier 4 Interim
tblConstEquipMitigation	Tier	No Change	Tier 4 Interim
tblConstEquipMitigation	Tier	No Change	Tier 4 Interim
tblConstEquipMitigation	Tier	No Change	Tier 4 Interim
tblConstEquipMitigation	Tier	No Change	Tier 4 Interim
tblConstructionPhase	NumDays	55.00	21.00
tblConstructionPhase	NumDays	55.00	45.00
tblConstructionPhase	NumDays	55.00	22.00
tblConstructionPhase	NumDays	55.00	23.00
tblConstructionPhase	NumDays	30.00	22.00
tblConstructionPhase	NumDays	30.00	21.00
tblConstructionPhase	NumDays	30.00	20.00
tblConstructionPhase	NumDays	30.00	21.00
tblConstructionPhase	NumDays	30.00	19.00
tblConsumerProducts	ROG_EF	2.14E-05	0
tblConsumerProducts	ROG_EF_Degreaser	3.542E-07	0
tblConsumerProducts	ROG_EF_PesticidesFertilizers	5.152E-08	1E-11

tblFireplaces	NumberGas	0.55	0.00
tblFireplaces	NumberNoFireplace	0.10	0.00
tblFireplaces	NumberWood	0.35	0.00
tblLandUse	LotAcreage	0.00	48.24
tblOffRoadEquipment	HorsePower	402.00	97.00
tblOffRoadEquipment	LoadFactor	0.38	0.37
tblOffRoadEquipment	OffRoadEquipmentType	Tractors/Loaders/Backhoes	Off-Highway Trucks
tblProjectCharacteristics	OperationalYear	2018	2022
tblTripsAndVMT	VendorTripNumber	0.00	10.00
tblTripsAndVMT	VendorTripNumber	0.00	4.00
tblTripsAndVMT	VendorTripNumber	0.00	10.00
tblTripsAndVMT	VendorTripNumber	0.00	4.00
tblTripsAndVMT	VendorTripNumber	0.00	10.00
tblTripsAndVMT	VendorTripNumber	0.00	4.00
tblTripsAndVMT	VendorTripNumber	0.00	10.00
tblTripsAndVMT	VendorTripNumber	0.00	4.00
tblTripsAndVMT	WorkerTripNumber	15.00	8.00
tblTripsAndVMT	WorkerTripNumber	23.00	4.00
tblTripsAndVMT	WorkerTripNumber	15.00	8.00
tblTripsAndVMT	WorkerTripNumber	23.00	4.00
tblTripsAndVMT	WorkerTripNumber	15.00	8.00
tblTripsAndVMT	WorkerTripNumber	23.00	4.00
tblTripsAndVMT	WorkerTripNumber	15.00	8.00
tblTripsAndVMT	WorkerTripNumber	23.00	4.00
tblTripsAndVMT	WorkerTripNumber	28.00	0.00
tblWoodstoves	NumberCatalytic	0.05	0.00
tblWoodstoves	NumberNoncatalytic	0.05	0.00

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2020	4.2686	45.0039	24.5281	0.0435	18.1262	2.2919	20.4181	9.9472	2.1086	12.0558	0.0000	4,231.6692	4,231.6692	1.3315	0.0000	4,264.9564
2021	1.3188	13.9549	15.1416	0.0261	0.1334	0.6804	0.8138	0.0369	0.6261	0.6630	0.0000	2,552.1940	2,552.1940	0.7377	0.0000	2,570.6371
2022	3.3361	35.3336	22.6741	0.0435	18.1262	1.6826	19.8088	9.9472	1.5480	11.4952	0.0000	4,228.7464	4,228.7464	1.3311	0.0000	4,262.0248
2023	2.8129	29.5636	21.1997	0.0435	18.1262	1.3251	19.4513	9.9472	1.2191	11.1663	0.0000	4,226.2441	4,226.2441	1.3308	0.0000	4,259.5132
Maximum	**4.2686**	**45.0039**	**24.5281**	**0.0435**	**18.1262**	**2.2919**	**20.4181**	**9.9472**	**2.1086**	**12.0558**	**0.0000**	**4,231.6692**	**4,231.6692**	**1.3315**	**0.0000**	**4,264.9564**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2020	0.8308	14.9482	26.3333	0.0435	18.1262	0.1596	18.2858	9.9472	0.1595	10.1067	0.0000	4,231.6692	4,231.6692	1.3315	0.0000	4,264.9564
2021	0.3973	11.0752	17.7841	0.0261	0.1334	0.0401	0.1735	0.0369	0.0399	0.0769	0.0000	2,552.1940	2,552.1940	0.7377	0.0000	2,570.6371
2022	0.8253	14.8793	26.3009	0.0435	18.1262	0.1581	18.2843	9.9472	0.1580	10.1052	0.0000	4,228.7464	4,228.7464	1.3311	0.0000	4,262.0248
2023	0.8218	14.7965	26.2835	0.0435	18.1262	0.1577	18.2839	9.9472	0.1577	10.1049	0.0000	4,226.2441	4,226.2441	1.3308	0.0000	4,259.5132
Maximum	**0.8308**	**14.9482**	**26.3333**	**0.0435**	**18.1262**	**0.1596**	**18.2858**	**9.9472**	**0.1595**	**10.1067**	**0.0000**	**4,231.6692**	**4,231.6692**	**1.3315**	**0.0000**	**4,264.9564**

	ROG	**NOx**	**CO**	**SO2**	**Fugitive PM10**	**Exhaust PM10**	**PM10 Total**	**Fugitive PM2.5**	**Exhaust PM2.5**	**PM2.5 Total**	**Bio- CO2**	**NBio-CO2**	**Total CO2**	**CH4**	**N20**	**CO2e**
Percent Reduction	**75.50**	**55.03**	**-15.75**	**0.00**	**0.00**	**91.38**	**9.03**	**0.00**	**90.64**	**14.09**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	2.4900e-003	9.5000e-004	0.0826	0.0000		4.6000e-004	4.6000e-004		4.6000e-004	4.6000e-004	0.0000	0.1486	0.1486	1.4000e-004	0.0000	0.1521
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	**2.4900e-003**	**9.5000e-004**	**0.0826**	**0.0000**	**0.0000**	**4.6000e-004**	**4.6000e-004**	**0.0000**	**4.6000e-004**	**4.6000e-004**	**0.0000**	**0.1486**	**0.1486**	**1.4000e-004**	**0.0000**	**0.1521**

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	2.4900e-003	9.5000e-004	0.0826	0.0000		4.6000e-004	4.6000e-004		4.6000e-004	4.6000e-004	0.0000	0.1486	0.1486	1.4000e-004	0.0000	0.1521
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	**2.4900e-003**	**9.5000e-004**	**0.0826**	**0.0000**	**0.0000**	**4.6000e-004**	**4.6000e-004**	**0.0000**	**4.6000e-004**	**4.6000e-004**	**0.0000**	**0.1486**	**0.1486**	**1.4000e-004**	**0.0000**	**0.1521**

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

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	South Paving	Paving	5/1/2020	5/31/2020	5	21	
2	South Landscaping	Site Preparation	6/1/2020	6/30/2020	5	22	
3	Central Paving	Paving	11/1/2021	12/31/2021	5	45	
4	Central Landscaping	Site Preparation	1/1/2022	1/31/2022	5	21	
5	North Paving	Paving	1/1/2023	1/31/2023	5	22	
6	North Landscaping	Site Preparation	2/1/2023	2/28/2023	5	20	
7	PA 16/19 Paving	Paving	8/1/2023	8/31/2023	5	23	
8	PA 16/19 Landscaping	Site Preparation	9/1/2023	9/29/2023	5	21	
9	South PVR Haul	Site Preparation	9/4/2020	9/30/2020	5	19	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

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

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
South Paving	Pavers	2	8.00	130	0.42
South Paving	Paving Equipment	2	8.00	132	0.36
South Paving	Rollers	2	8.00	80	0.38
South Landscaping	Rubber Tired Dozers	3	8.00	247	0.40
South Landscaping	Skid Steer Loaders	2	8.00	65	0.37
Central Landscaping	Rubber Tired Dozers	3	8.00	247	0.40
Central Paving	Pavers	2	8.00	130	0.42
Central Paving	Paving Equipment	2	8.00	132	0.36
Central Paving	Rollers	2	8.00	80	0.38
North Landscaping	Rubber Tired Dozers	3	8.00	247	0.40
Central Landscaping	Skid Steer Loaders	2	8.00	65	0.37
PA 16/19 Landscaping	Rubber Tired Dozers	3	8.00	247	0.40
North Paving	Pavers	2	8.00	130	0.42
North Paving	Paving Equipment	2	8.00	132	0.36
North Paving	Rollers	2	8.00	80	0.38
South PVR Haul	Rubber Tired Dozers	3	8.00	247	0.40
North Landscaping	Skid Steer Loaders	2	8.00	65	0.37
South Landscaping	Tractors/Loaders/Backhoes	4	8.00	97	0.37
PA 16/19 Paving	Pavers	2	8.00	130	0.42
PA 16/19 Paving	Paving Equipment	2	8.00	132	0.36
PA 16/19 Paving	Rollers	2	8.00	80	0.38
Central Landscaping	Tractors/Loaders/Backhoes	4	8.00	97	0.37
PA 16/19 Landscaping	Skid Steer Loaders	2	8.00	65	0.37
North Landscaping	Tractors/Loaders/Backhoes	4	8.00	97	0.37
PA 16/19 Landscaping	Tractors/Loaders/Backhoes	4	8.00	97	0.37
South PVR Haul	Off-Highway Trucks	4	8.00	97	0.37
South PVR Haul	Tractors/Loaders/Backhoes	4	8.00	97	0.37

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
South Paving	6	8.00	10.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
South Landscaping	9	4.00	4.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Central Paving	6	8.00	10.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Central Landscaping	9	4.00	4.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
North Paving	6	8.00	10.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
North Landscaping	9	4.00	4.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
PA 16/19 Paving	6	8.00	10.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
PA 16/19 Landscaping	9	4.00	4.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
South PVR Haul	11	0.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Use Soil Stabilizer

Reduce Vehicle Speed on Unpaved Roads

Clean Paved Roads

3.2 South Paving - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3566	14.0656	14.6521	0.0228		0.7528	0.7528		0.6926	0.6926		2,207.7334	2,207.7334	0.7140		2,225.5841
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.3566**	**14.0656**	**14.6521**	**0.0228**		**0.7528**	**0.7528**		**0.6926**	**0.6926**		**2,207.7334**	**2,207.7334**	**0.7140**		**2,225.5841**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0391	1.1267	0.3188	2.6700e-003	0.0677	5.6200e-003	0.0733	0.0195	5.3800e-003	0.0249		286.4622	286.4622	0.0231		287.0385
Worker	0.0333	0.0222	0.2138	6.4000e-004	0.0657	4.6000e-004	0.0662	0.0174	4.2000e-004	0.0179		63.2906	63.2906	1.9100e-003		63.3382
Total	**0.0724**	**1.1489**	**0.5326**	**3.3100e-003**	**0.1334**	**6.0800e-003**	**0.1395**	**0.0369**	**5.8000e-003**	**0.0427**		**349.7528**	**349.7528**	**0.0250**		**350.3767**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.3341	10.0395	17.2957	0.0228		0.0374	0.0374		0.0374	0.0374	0.0000	2,207.7334	2,207.7334	0.7140		2,225.5841
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**0.3341**	**10.0395**	**17.2957**	**0.0228**		**0.0374**	**0.0374**		**0.0374**	**0.0374**	**0.0000**	**2,207.7334**	**2,207.7334**	**0.7140**		**2,225.5841**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0391	1.1267	0.3188	2.6700e-003	0.0677	5.6200e-003	0.0733	0.0195	5.3800e-003	0.0249		286.4622	286.4622	0.0231		287.0385
Worker	0.0333	0.0222	0.2138	6.4000e-004	0.0657	4.6000e-004	0.0662	0.0174	4.2000e-004	0.0179		63.2906	63.2906	1.9100e-003		63.3382
Total	**0.0724**	**1.1489**	**0.5326**	**3.3100e-003**	**0.1334**	**6.0800e-003**	**0.1395**	**0.0369**	**5.8000e-003**	**0.0427**		**349.7528**	**349.7528**	**0.0250**		**350.3767**

3.3 South Landscaping - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	4.2363	44.5421	24.2937	0.0422		2.2894	2.2894		2.1062	2.1062		4,085.4390	4,085.4390	1.3213		4,118.4719
Total	**4.2363**	**44.5421**	**24.2937**	**0.0422**	**18.0663**	**2.2894**	**20.3557**	**9.9307**	**2.1062**	**12.0369**		**4,085.4390**	**4,085.4390**	**1.3213**		**4,118.4719**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0157	0.4507	0.1275	1.0700e-003	0.0271	2.2500e-003	0.0293	7.8000e-003	2.1500e-003	9.9500e-003		114.5849	114.5849	9.2200e-003		114.8154
Worker	0.0166	0.0111	0.1069	3.2000e-004	0.0329	2.3000e-004	0.0331	8.7200e-003	2.1000e-004	8.9300e-003		31.6453	31.6453	9.5000e-004		31.6691
Total	**0.0323**	**0.4618**	**0.2344**	**1.3900e-003**	**0.0599**	**2.4800e-003**	**0.0624**	**0.0165**	**2.3600e-003**	**0.0189**		**146.2302**	**146.2302**	**0.0102**		**146.4845**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	0.7985	14.4865	26.0989	0.0422		0.1571	0.1571		0.1571	0.1571	0.0000	4,085.4390	4,085.4390	1.3213		4,118.4719
Total	**0.7985**	**14.4865**	**26.0989**	**0.0422**	**18.0663**	**0.1571**	**18.2234**	**9.9307**	**0.1571**	**10.0878**	**0.0000**	**4,085.4390**	**4,085.4390**	**1.3213**		**4,118.4719**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0157	0.4507	0.1275	1.0700e-003	0.0271	2.2500e-003	0.0293	7.8000e-003	2.1500e-003	9.9500e-003		114.5849	114.5849	9.2200e-003		114.8154
Worker	0.0166	0.0111	0.1069	3.2000e-004	0.0329	2.3000e-004	0.0331	8.7200e-003	2.1000e-004	8.9300e-003		31.6453	31.6453	9.5000e-004		31.6691
Total	**0.0323**	**0.4618**	**0.2344**	**1.3900e-003**	**0.0599**	**2.4800e-003**	**0.0624**	**0.0165**	**2.3600e-003**	**0.0189**		**146.2302**	**146.2302**	**0.0102**		**146.4845**

3.4 Central Paving - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.2556	12.9191	14.6532	0.0228		0.6777	0.6777		0.6235	0.6235		2,207.2109	2,207.2109	0.7139		2,225.0573
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.2556**	**12.9191**	**14.6532**	**0.0228**		**0.6777**	**0.6777**		**0.6235**	**0.6235**		**2,207.2109**	**2,207.2109**	**0.7139**		**2,225.0573**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0319	1.0156	0.2890	2.6400e-003	0.0677	2.2300e-003	0.0699	0.0195	2.1300e-003	0.0216		283.8193	283.8193	0.0221		284.3721
Worker	0.0314	0.0202	0.1995	6.1000e-004	0.0657	4.5000e-004	0.0662	0.0174	4.2000e-004	0.0179		61.1638	61.1638	1.7600e-003		61.2077
Total	**0.0633**	**1.0358**	**0.4884**	**3.2500e-003**	**0.1334**	**2.6800e-003**	**0.1361**	**0.0369**	**2.5500e-003**	**0.0395**		**344.9831**	**344.9831**	**0.0239**		**345.5798**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.3341	10.0395	17.2957	0.0228		0.0374	0.0374		0.0374	0.0374	0.0000	2,207.2109	2,207.2109	0.7139		2,225.0573
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**0.3341**	**10.0395**	**17.2957**	**0.0228**		**0.0374**	**0.0374**		**0.0374**	**0.0374**	**0.0000**	**2,207.2109**	**2,207.2109**	**0.7139**		**2,225.0573**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0319	1.0156	0.2890	2.6400e-003	0.0677	2.2300e-003	0.0699	0.0195	2.1300e-003	0.0216		283.8193	283.8193	0.0221		284.3721
Worker	0.0314	0.0202	0.1995	6.1000e-004	0.0657	4.5000e-004	0.0662	0.0174	4.2000e-004	0.0179		61.1638	61.1638	1.7600e-003		61.2077
Total	**0.0633**	**1.0358**	**0.4884**	**3.2500e-003**	**0.1334**	**2.6800e-003**	**0.1361**	**0.0369**	**2.5500e-003**	**0.0395**		**344.9831**	**344.9831**	**0.0239**		**345.5798**

3.5 Central Landscaping - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	3.3094	34.9407	22.4722	0.0422		1.6816	1.6816		1.5471	1.5471		4,086.8444	4,086.8444	1.3218		4,119.8886
Total	**3.3094**	**34.9407**	**22.4722**	**0.0422**	**18.0663**	**1.6816**	**19.7479**	**9.9307**	**1.5471**	**11.4778**		**4,086.8444**	**4,086.8444**	**1.3218**		**4,119.8886**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0119	0.3836	0.1094	1.0400e-003	0.0271	7.7000e-004	0.0279	7.8000e-003	7.3000e-004	8.5300e-003		112.4411	112.4411	8.5600e-003		112.6551
Worker	0.0149	9.2000e-003	0.0925	3.0000e-004	0.0329	2.2000e-004	0.0331	8.7200e-003	2.0000e-004	8.9200e-003		29.4610	29.4610	8.0000e-004		29.4811
Total	**0.0267**	**0.3928**	**0.2020**	**1.3400e-003**	**0.0599**	**9.9000e-004**	**0.0609**	**0.0165**	**9.3000e-004**	**0.0175**		**141.9021**	**141.9021**	**9.3600e-003**		**142.1362**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	0.7985	14.4865	26.0989	0.0422		0.1571	0.1571		0.1571	0.1571	0.0000	4,086.8444	4,086.8444	1.3218		4,119.8886
Total	**0.7985**	**14.4865**	**26.0989**	**0.0422**	**18.0663**	**0.1571**	**18.2234**	**9.9307**	**0.1571**	**10.0878**	**0.0000**	**4,086.8444**	**4,086.8444**	**1.3218**		**4,119.8886**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0119	0.3836	0.1094	1.0400e-003	0.0271	7.7000e-004	0.0279	7.8000e-003	7.3000e-004	8.5300e-003		112.4411	112.4411	8.5600e-003		112.6551
Worker	0.0149	9.2000e-003	0.0925	3.0000e-004	0.0329	2.2000e-004	0.0331	8.7200e-003	2.0000e-004	8.9200e-003		29.4610	29.4610	8.0000e-004		29.4811
Total	**0.0267**	**0.3928**	**0.2020**	**1.3400e-003**	**0.0599**	**9.9000e-004**	**0.0609**	**0.0165**	**9.3000e-004**	**0.0175**		**141.9021**	**141.9021**	**9.3600e-003**		**142.1362**

3.6 North Paving - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.0327	10.1917	14.5842	0.0228		0.5102	0.5102		0.4694	0.4694		2,207.5841	2,207.5841	0.7140		2,225.4336
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.0327**	**10.1917**	**14.5842**	**0.0228**		**0.5102**	**0.5102**		**0.4694**	**0.4694**		**2,207.5841**	**2,207.5841**	**0.7140**		**2,225.4336**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0229	0.7542	0.2471	2.5400e-003	0.0677	9.4000e-004	0.0686	0.0195	9.0000e-004	0.0204		274.0693	274.0693	0.0195		274.5564
Worker	0.0282	0.0168	0.1716	5.7000e-004	0.0657	4.4000e-004	0.0662	0.0174	4.0000e-004	0.0178		56.6717	56.6717	1.4700e-003		56.7085
Total	**0.0511**	**0.7710**	**0.4187**	**3.1100e-003**	**0.1334**	**1.3800e-003**	**0.1348**	**0.0369**	**1.3000e-003**	**0.0382**		**330.7410**	**330.7410**	**0.0210**		**331.2649**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.3341	10.0395	17.2957	0.0228		0.0374	0.0374		0.0374	0.0374	0.0000	2,207.5841	2,207.5841	0.7140		2,225.4336
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**0.3341**	**10.0395**	**17.2957**	**0.0228**		**0.0374**	**0.0374**		**0.0374**	**0.0374**	**0.0000**	**2,207.5841**	**2,207.5841**	**0.7140**		**2,225.4336**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0229	0.7542	0.2471	2.5400e-003	0.0677	9.4000e-004	0.0686	0.0195	9.0000e-004	0.0204		274.0693	274.0693	0.0195		274.5564
Worker	0.0282	0.0168	0.1716	5.7000e-004	0.0657	4.4000e-004	0.0662	0.0174	4.0000e-004	0.0178		56.6717	56.6717	1.4700e-003		56.7085
Total	**0.0511**	**0.7710**	**0.4187**	**3.1100e-003**	**0.1334**	**1.3800e-003**	**0.1348**	**0.0369**	**1.3000e-003**	**0.0382**		**330.7410**	**330.7410**	**0.0210**		**331.2649**

3.7 North Landscaping - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	2.7896	29.2535	21.0151	0.0422		1.3245	1.3245		1.2186	1.2186		4,088.2806	4,088.2806	1.3222		4,121.3364
Total	**2.7896**	**29.2535**	**21.0151**	**0.0422**	**18.0663**	**1.3245**	**19.3908**	**9.9307**	**1.2186**	**11.1492**		**4,088.2806**	**4,088.2806**	**1.3222**		**4,121.3364**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	9.1600e-003	0.3017	0.0989	1.0200e-003	0.0271	3.8000e-004	0.0275	7.7900e-003	3.6000e-004	8.1600e-003		109.6277	109.6277	7.7900e-003		109.8226
Worker	0.0141	8.4000e-003	0.0858	2.8000e-004	0.0329	2.2000e-004	0.0331	8.7200e-003	2.0000e-004	8.9200e-003		28.3359	28.3359	7.4000e-004		28.3542
Total	**0.0233**	**0.3101**	**0.1846**	**1.3000e-003**	**0.0599**	**6.0000e-004**	**0.0605**	**0.0165**	**5.6000e-004**	**0.0171**		**137.9636**	**137.9636**	**8.5300e-003**		**138.1768**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	0.7985	14.4865	26.0989	0.0422		0.1571	0.1571		0.1571	0.1571	0.0000	4,088.2806	4,088.2806	1.3222		4,121.3364
Total	**0.7985**	**14.4865**	**26.0989**	**0.0422**	**18.0663**	**0.1571**	**18.2234**	**9.9307**	**0.1571**	**10.0878**	**0.0000**	**4,088.2806**	**4,088.2806**	**1.3222**		**4,121.3364**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	9.1600e-003	0.3017	0.0989	1.0200e-003	0.0271	3.8000e-004	0.0275	7.7900e-003	3.6000e-004	8.1600e-003		109.6277	109.6277	7.7900e-003		109.8226
Worker	0.0141	8.4000e-003	0.0858	2.8000e-004	0.0329	2.2000e-004	0.0331	8.7200e-003	2.0000e-004	8.9200e-003		28.3359	28.3359	7.4000e-004		28.3542
Total	**0.0233**	**0.3101**	**0.1846**	**1.3000e-003**	**0.0599**	**6.0000e-004**	**0.0605**	**0.0165**	**5.6000e-004**	**0.0171**		**137.9636**	**137.9636**	**8.5300e-003**		**138.1768**

3.8 PA 16/19 Paving - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.0327	10.1917	14.5842	0.0228		0.5102	0.5102		0.4694	0.4694		2,207.5841	2,207.5841	0.7140		2,225.4336
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.0327**	**10.1917**	**14.5842**	**0.0228**		**0.5102**	**0.5102**		**0.4694**	**0.4694**		**2,207.5841**	**2,207.5841**	**0.7140**		**2,225.4336**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0229	0.7542	0.2471	2.5400e-003	0.0677	9.4000e-004	0.0686	0.0195	9.0000e-004	0.0204		274.0693	274.0693	0.0195		274.5564
Worker	0.0282	0.0168	0.1716	5.7000e-004	0.0657	4.4000e-004	0.0662	0.0174	4.0000e-004	0.0178		56.6717	56.6717	1.4700e-003		56.7085
Total	**0.0511**	**0.7710**	**0.4187**	**3.1100e-003**	**0.1334**	**1.3800e-003**	**0.1348**	**0.0369**	**1.3000e-003**	**0.0382**		**330.7410**	**330.7410**	**0.0210**		**331.2649**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.3341	10.0395	17.2957	0.0228		0.0374	0.0374		0.0374	0.0374	0.0000	2,207.5841	2,207.5841	0.7140		2,225.4336
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**0.3341**	**10.0395**	**17.2957**	**0.0228**		**0.0374**	**0.0374**		**0.0374**	**0.0374**	**0.0000**	**2,207.5841**	**2,207.5841**	**0.7140**		**2,225.4336**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0229	0.7542	0.2471	2.5400e-003	0.0677	9.4000e-004	0.0686	0.0195	9.0000e-004	0.0204		274.0693	274.0693	0.0195		274.5564
Worker	0.0282	0.0168	0.1716	5.7000e-004	0.0657	4.4000e-004	0.0662	0.0174	4.0000e-004	0.0178		56.6717	56.6717	1.4700e-003		56.7085
Total	**0.0511**	**0.7710**	**0.4187**	**3.1100e-003**	**0.1334**	**1.3800e-003**	**0.1348**	**0.0369**	**1.3000e-003**	**0.0382**		**330.7410**	**330.7410**	**0.0210**		**331.2649**

3.9 PA 16/19 Landscaping - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	2.7896	29.2535	21.0151	0.0422		1.3245	1.3245		1.2186	1.2186		4,088.2806	4,088.2806	1.3222		4,121.3364
Total	**2.7896**	**29.2535**	**21.0151**	**0.0422**	**18.0663**	**1.3245**	**19.3908**	**9.9307**	**1.2186**	**11.1492**		**4,088.2806**	**4,088.2806**	**1.3222**		**4,121.3364**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	9.1600e-003	0.3017	0.0989	1.0200e-003	0.0271	3.8000e-004	0.0275	7.7900e-003	3.6000e-004	8.1600e-003		109.6277	109.6277	7.7900e-003		109.8226
Worker	0.0141	8.4000e-003	0.0858	2.8000e-004	0.0329	2.2000e-004	0.0331	8.7200e-003	2.0000e-004	8.9200e-003		28.3359	28.3359	7.4000e-004		28.3542
Total	**0.0233**	**0.3101**	**0.1846**	**1.3000e-003**	**0.0599**	**6.0000e-004**	**0.0605**	**0.0165**	**5.6000e-004**	**0.0171**		**137.9636**	**137.9636**	**8.5300e-003**		**138.1768**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	0.7985	14.4865	26.0989	0.0422		0.1571	0.1571		0.1571	0.1571	0.0000	4,088.2806	4,088.2806	1.3222		4,121.3364
Total	**0.7985**	**14.4865**	**26.0989**	**0.0422**	**18.0663**	**0.1571**	**18.2234**	**9.9307**	**0.1571**	**10.0878**	**0.0000**	**4,088.2806**	**4,088.2806**	**1.3222**		**4,121.3364**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	9.1600e-003	0.3017	0.0989	1.0200e-003	0.0271	3.8000e-004	0.0275	7.7900e-003	3.6000e-004	8.1600e-003		109.6277	109.6277	7.7900e-003		109.8226
Worker	0.0141	8.4000e-003	0.0858	2.8000e-004	0.0329	2.2000e-004	0.0331	8.7200e-003	2.0000e-004	8.9200e-003		28.3359	28.3359	7.4000e-004		28.3542
Total	**0.0233**	**0.3101**	**0.1846**	**1.3000e-003**	**0.0599**	**6.0000e-004**	**0.0605**	**0.0165**	**5.6000e-004**	**0.0171**		**137.9636**	**137.9636**	**8.5300e-003**		**138.1768**

3.10 South PVR Haul - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	4.0765	42.4173	21.5136	0.0380		2.1974	2.1974		2.0216	2.0216		3,685.1016	3,685.1016	1.1918		3,714.8975
Total	**4.0765**	**42.4173**	**21.5136**	**0.0380**	**18.0663**	**2.1974**	**20.2637**	**9.9307**	**2.0216**	**11.9523**		**3,685.1016**	**3,685.1016**	**1.1918**		**3,714.8975**

Unmitigated Construction Off-Site

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

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	0.6967	12.1620	22.9600	0.0380		0.0621	0.0621		0.0621	0.0621	0.0000	3,685.1016	3,685.1016	1.1918		3,714.8975
Total	**0.6967**	**12.1620**	**22.9600**	**0.0380**	**18.0663**	**0.0621**	**18.1283**	**9.9307**	**0.0621**	**9.9928**	**0.0000**	**3,685.1016**	**3,685.1016**	**1.1918**		**3,714.8975**

Mitigated Construction Off-Site

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

CalEEMod Version: CalEEMod.2016.3.1 Date: 9/1/2017 4:55 PM

Proctor Valley Road

San Diego County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
User Defined Residential	1.00	Dwelling Unit	48.24	0.00	3

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.6	**Precipitation Freq (Days)**	40
Climate Zone	13			**Operational Year**	2022
Utility Company	San Diego Gas & Electric				
CO2 Intensity (lb/MWhr)	720.49	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Land Use - total graded area

Construction Phase - Refer to CalEEMod Input Matrix Table 5

Off-road Equipment - Refer to CalEEMod Input Matrix Table 6

Trips and VMT - Refer to CalEEMod Input Matrix Table 9

Woodstoves - No operational emissions

Consumer Products - No operational emissions

Off-road Equipment - Refer to CalEEMod Input Matrix Table 6

Table Name	Column Name	Default Value	New Value
tblConstDustMitigation	WaterUnpavedRoadMoistureContent	0	0.5
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	40	15
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	8.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	8.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	8.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	8.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	15.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	20.00
tblConstEquipMitigation	Tier	No Change	Tier 4 Interim
tblConstEquipMitigation	Tier	No Change	Tier 4 Interim
tblConstEquipMitigation	Tier	No Change	Tier 4 Interim
tblConstEquipMitigation	Tier	No Change	Tier 4 Interim
tblConstEquipMitigation	Tier	No Change	Tier 4 Interim
tblConstEquipMitigation	Tier	No Change	Tier 4 Interim
tblConstEquipMitigation	Tier	No Change	Tier 4 Interim
tblConstructionPhase	NumDays	55.00	21.00
tblConstructionPhase	NumDays	55.00	45.00
tblConstructionPhase	NumDays	55.00	22.00
tblConstructionPhase	NumDays	55.00	23.00
tblConstructionPhase	NumDays	30.00	22.00
tblConstructionPhase	NumDays	30.00	21.00
tblConstructionPhase	NumDays	30.00	20.00
tblConstructionPhase	NumDays	30.00	21.00
tblConstructionPhase	NumDays	30.00	19.00
tblConsumerProducts	ROG_EF	2.14E-05	0
tblConsumerProducts	ROG_EF_Degreaser	3.542E-07	0
tblConsumerProducts	ROG_EF_PesticidesFertilizers	5.152E-08	1E-11

tblFireplaces	NumberGas	0.55	0.00
tblFireplaces	NumberNoFireplace	0.10	0.00
tblFireplaces	NumberWood	0.35	0.00
tblLandUse	LotAcreage	0.00	48.24
tblOffRoadEquipment	HorsePower	402.00	97.00
tblOffRoadEquipment	LoadFactor	0.38	0.37
tblOffRoadEquipment	OffRoadEquipmentType	Tractors/Loaders/Backhoes	Off-Highway Trucks
tblProjectCharacteristics	OperationalYear	2018	2022
tblTripsAndVMT	VendorTripNumber	0.00	10.00
tblTripsAndVMT	VendorTripNumber	0.00	4.00
tblTripsAndVMT	VendorTripNumber	0.00	10.00
tblTripsAndVMT	VendorTripNumber	0.00	4.00
tblTripsAndVMT	VendorTripNumber	0.00	10.00
tblTripsAndVMT	VendorTripNumber	0.00	4.00
tblTripsAndVMT	VendorTripNumber	0.00	10.00
tblTripsAndVMT	VendorTripNumber	0.00	4.00
tblTripsAndVMT	WorkerTripNumber	15.00	8.00
tblTripsAndVMT	WorkerTripNumber	23.00	4.00
tblTripsAndVMT	WorkerTripNumber	15.00	8.00
tblTripsAndVMT	WorkerTripNumber	23.00	4.00
tblTripsAndVMT	WorkerTripNumber	15.00	8.00
tblTripsAndVMT	WorkerTripNumber	23.00	4.00
tblTripsAndVMT	WorkerTripNumber	15.00	8.00
tblTripsAndVMT	WorkerTripNumber	23.00	4.00
tblTripsAndVMT	WorkerTripNumber	28.00	0.00
tblWoodstoves	NumberCatalytic	0.05	0.00
tblWoodstoves	NumberNoncatalytic	0.05	0.00

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2020	4.2659	45.0030	24.5220	0.0436	18.1262	2.2918	20.4180	9.9472	2.1086	12.0558	0.0000	4,236.7649	4,236.7649	1.3310	0.0000	4,270.0399
2021	1.3135	13.9554	15.1249	0.0262	0.1334	0.6803	0.8137	0.0369	0.6260	0.6629	0.0000	2,563.7181	2,563.7181	0.7365	0.0000	2,582.1315
2022	3.3337	35.3339	22.6691	0.0436	18.1262	1.6826	19.8087	9.9472	1.5480	11.4952	0.0000	4,233.6723	4,233.6723	1.3307	0.0000	4,266.9396
2023	2.8107	29.5641	21.1968	0.0436	18.1262	1.3251	19.4513	9.9472	1.2191	11.1663	0.0000	4,230.9900	4,230.9900	1.3304	0.0000	4,264.2501
Maximum	**4.2659**	**45.0030**	**24.5220**	**0.0436**	**18.1262**	**2.2918**	**20.4180**	**9.9472**	**2.1086**	**12.0558**	**0.0000**	**4,236.7649**	**4,236.7649**	**1.3310**	**0.0000**	**4,270.0399**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2020	0.8282	14.9474	26.3272	0.0436	18.1262	0.1595	18.2857	9.9472	0.1594	10.1066	0.0000	4,236.7649	4,236.7649	1.3310	0.0000	4,270.0399
2021	0.3920	11.0757	17.7674	0.0262	0.1334	0.0400	0.1734	0.0369	0.0399	0.0768	0.0000	2,563.7181	2,563.7181	0.7365	0.0000	2,582.1314
2022	0.8229	14.8796	26.2959	0.0436	18.1262	0.1581	18.2842	9.9472	0.1580	10.1052	0.0000	4,233.6723	4,233.6723	1.3307	0.0000	4,266.9396
2023	0.8196	14.7970	26.2806	0.0436	18.1262	0.1577	18.2839	9.9472	0.1576	10.1048	0.0000	4,230.9900	4,230.9900	1.3304	0.0000	4,264.2501
Maximum	**0.8282**	**14.9474**	**26.3272**	**0.0436**	**18.1262**	**0.1595**	**18.2857**	**9.9472**	**0.1594**	**10.1066**	**0.0000**	**4,236.7649**	**4,236.7649**	**1.3310**	**0.0000**	**4,270.0399**

	ROG	**NOx**	**CO**	**SO2**	**Fugitive PM10**	**Exhaust PM10**	**PM10 Total**	**Fugitive PM2.5**	**Exhaust PM2.5**	**PM2.5 Total**	**Bio- CO2**	**NBio-CO2**	**Total CO2**	**CH4**	**N20**	**CO2e**
Percent Reduction	**75.58**	**55.03**	**-15.76**	**0.00**	**0.00**	**91.38**	**9.03**	**0.00**	**90.64**	**14.09**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	2.4900e-003	9.5000e-004	0.0826	0.0000		4.6000e-004	4.6000e-004		4.6000e-004	4.6000e-004	0.0000	0.1486	0.1486	1.4000e-004	0.0000	0.1521
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	**2.4900e-003**	**9.5000e-004**	**0.0826**	**0.0000**	**0.0000**	**4.6000e-004**	**4.6000e-004**	**0.0000**	**4.6000e-004**	**4.6000e-004**	**0.0000**	**0.1486**	**0.1486**	**1.4000e-004**	**0.0000**	**0.1521**

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	2.4900e-003	9.5000e-004	0.0826	0.0000		4.6000e-004	4.6000e-004		4.6000e-004	4.6000e-004	0.0000	0.1486	0.1486	1.4000e-004	0.0000	0.1521
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	**2.4900e-003**	**9.5000e-004**	**0.0826**	**0.0000**	**0.0000**	**4.6000e-004**	**4.6000e-004**	**0.0000**	**4.6000e-004**	**4.6000e-004**	**0.0000**	**0.1486**	**0.1486**	**1.4000e-004**	**0.0000**	**0.1521**

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

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	South Paving	Paving	5/1/2020	5/31/2020	5	21	
2	South Landscaping	Site Preparation	6/1/2020	6/30/2020	5	22	
3	Central Paving	Paving	11/1/2021	12/31/2021	5	45	
4	Central Landscaping	Site Preparation	1/1/2022	1/31/2022	5	21	
5	North Paving	Paving	1/1/2023	1/31/2023	5	22	
6	North Landscaping	Site Preparation	2/1/2023	2/28/2023	5	20	
7	PA 16/19 Paving	Paving	8/1/2023	8/31/2023	5	23	
8	PA 16/19 Landscaping	Site Preparation	9/1/2023	9/29/2023	5	21	
9	South PVR Haul	Site Preparation	9/4/2020	9/30/2020	5	19	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

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

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
South Paving	Pavers	2	8.00	130	0.42
South Paving	Paving Equipment	2	8.00	132	0.36
South Paving	Rollers	2	8.00	80	0.38
South Landscaping	Rubber Tired Dozers	3	8.00	247	0.40
South Landscaping	Skid Steer Loaders	2	8.00	65	0.37
Central Landscaping	Rubber Tired Dozers	3	8.00	247	0.40
Central Paving	Pavers	2	8.00	130	0.42
Central Paving	Paving Equipment	2	8.00	132	0.36
Central Paving	Rollers	2	8.00	80	0.38
North Landscaping	Rubber Tired Dozers	3	8.00	247	0.40
Central Landscaping	Skid Steer Loaders	2	8.00	65	0.37
PA 16/19 Landscaping	Rubber Tired Dozers	3	8.00	247	0.40
North Paving	Pavers	2	8.00	130	0.42
North Paving	Paving Equipment	2	8.00	132	0.36
North Paving	Rollers	2	8.00	80	0.38
South PVR Haul	Rubber Tired Dozers	3	8.00	247	0.40
North Landscaping	Skid Steer Loaders	2	8.00	65	0.37
South Landscaping	Tractors/Loaders/Backhoes	4	8.00	97	0.37
PA 16/19 Paving	Pavers	2	8.00	130	0.42
PA 16/19 Paving	Paving Equipment	2	8.00	132	0.36
PA 16/19 Paving	Rollers	2	8.00	80	0.38
Central Landscaping	Tractors/Loaders/Backhoes	4	8.00	97	0.37
PA 16/19 Landscaping	Skid Steer Loaders	2	8.00	65	0.37
North Landscaping	Tractors/Loaders/Backhoes	4	8.00	97	0.37
PA 16/19 Landscaping	Tractors/Loaders/Backhoes	4	8.00	97	0.37
South PVR Haul	Off-Highway Trucks	4	8.00	97	0.37
South PVR Haul	Tractors/Loaders/Backhoes	4	8.00	97	0.37

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
South Paving	6	8.00	10.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
South Landscaping	9	4.00	4.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Central Paving	6	8.00	10.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Central Landscaping	9	4.00	4.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
North Paving	6	8.00	10.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
North Landscaping	9	4.00	4.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
PA 16/19 Paving	6	8.00	10.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
PA 16/19 Landscaping	9	4.00	4.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
South PVR Haul	11	0.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Use Soil Stabilizer

Reduce Vehicle Speed on Unpaved Roads

Clean Paved Roads

3.2 South Paving - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3566	14.0656	14.6521	0.0228		0.7528	0.7528		0.6926	0.6926		2,207.7334	2,207.7334	0.7140		2,225.5841
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.3566**	**14.0656**	**14.6521**	**0.0228**		**0.7528**	**0.7528**		**0.6926**	**0.6926**		**2,207.7334**	**2,207.7334**	**0.7140**		**2,225.5841**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0374	1.1276	0.2873	2.7400e-003	0.0677	5.5200e-003	0.0732	0.0195	5.2800e-003	0.0248		294.0401	294.0401	0.0217		294.5824
Worker	0.0294	0.0198	0.2268	6.8000e-004	0.0657	4.6000e-004	0.0662	0.0174	4.2000e-004	0.0179		67.4198	67.4198	2.0100e-003		67.4701
Total	**0.0667**	**1.1474**	**0.5140**	**3.4200e-003**	**0.1334**	**5.9800e-003**	**0.1394**	**0.0369**	**5.7000e-003**	**0.0426**		**361.4598**	**361.4598**	**0.0237**		**362.0525**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.3341	10.0395	17.2957	0.0228		0.0374	0.0374		0.0374	0.0374	0.0000	2,207.7334	2,207.7334	0.7140		2,225.5841
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**0.3341**	**10.0395**	**17.2957**	**0.0228**		**0.0374**	**0.0374**		**0.0374**	**0.0374**	**0.0000**	**2,207.7334**	**2,207.7334**	**0.7140**		**2,225.5841**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0374	1.1276	0.2873	2.7400e-003	0.0677	5.5200e-003	0.0732	0.0195	5.2800e-003	0.0248		294.0401	294.0401	0.0217		294.5824
Worker	0.0294	0.0198	0.2268	6.8000e-004	0.0657	4.6000e-004	0.0662	0.0174	4.2000e-004	0.0179		67.4198	67.4198	2.0100e-003		67.4701
Total	**0.0667**	**1.1474**	**0.5140**	**3.4200e-003**	**0.1334**	**5.9800e-003**	**0.1394**	**0.0369**	**5.7000e-003**	**0.0426**		**361.4598**	**361.4598**	**0.0237**		**362.0525**

3.3 South Landscaping - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	4.2363	44.5421	24.2937	0.0422		2.2894	2.2894		2.1062	2.1062		4,085.4390	4,085.4390	1.3213		4,118.4719
Total	**4.2363**	**44.5421**	**24.2937**	**0.0422**	**18.0663**	**2.2894**	**20.3557**	**9.9307**	**2.1062**	**12.0369**		**4,085.4390**	**4,085.4390**	**1.3213**		**4,118.4719**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0150	0.4510	0.1149	1.1000e-003	0.0271	2.2100e-003	0.0293	7.8000e-003	2.1100e-003	9.9100e-003		117.6160	117.6160	8.6800e-003		117.8330
Worker	0.0147	9.8900e-003	0.1134	3.4000e-004	0.0329	2.3000e-004	0.0331	8.7200e-003	2.1000e-004	8.9300e-003		33.7099	33.7099	1.0100e-003		33.7351
Total	**0.0296**	**0.4609**	**0.2283**	**1.4400e-003**	**0.0599**	**2.4400e-003**	**0.0624**	**0.0165**	**2.3200e-003**	**0.0188**		**151.3259**	**151.3259**	**9.6900e-003**		**151.5680**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	0.7985	14.4865	26.0989	0.0422		0.1571	0.1571		0.1571	0.1571	0.0000	4,085.4390	4,085.4390	1.3213		4,118.4719
Total	**0.7985**	**14.4865**	**26.0989**	**0.0422**	**18.0663**	**0.1571**	**18.2234**	**9.9307**	**0.1571**	**10.0878**	**0.0000**	**4,085.4390**	**4,085.4390**	**1.3213**		**4,118.4719**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0150	0.4510	0.1149	1.1000e-003	0.0271	2.2100e-003	0.0293	7.8000e-003	2.1100e-003	9.9100e-003		117.6160	117.6160	8.6800e-003		117.8330
Worker	0.0147	9.8900e-003	0.1134	3.4000e-004	0.0329	2.3000e-004	0.0331	8.7200e-003	2.1000e-004	8.9300e-003		33.7099	33.7099	1.0100e-003		33.7351
Total	**0.0296**	**0.4609**	**0.2283**	**1.4400e-003**	**0.0599**	**2.4400e-003**	**0.0624**	**0.0165**	**2.3200e-003**	**0.0188**		**151.3259**	**151.3259**	**9.6900e-003**		**151.5680**

3.4 Central Paving - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.2556	12.9191	14.6532	0.0228		0.6777	0.6777		0.6235	0.6235		2,207.2109	2,207.2109	0.7139		2,225.0573
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.2556**	**12.9191**	**14.6532**	**0.0228**		**0.6777**	**0.6777**		**0.6235**	**0.6235**		**2,207.2109**	**2,207.2109**	**0.7139**		**2,225.0573**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0302	1.0183	0.2595	2.7100e-003	0.0677	2.1400e-003	0.0698	0.0195	2.0500e-003	0.0215		291.3520	291.3520	0.0208		291.8724
Worker	0.0277	0.0180	0.2122	6.5000e-004	0.0657	4.5000e-004	0.0662	0.0174	4.2000e-004	0.0179		65.1553	65.1553	1.8600e-003		65.2018
Total	**0.0579**	**1.0363**	**0.4717**	**3.3600e-003**	**0.1334**	**2.5900e-003**	**0.1360**	**0.0369**	**2.4700e-003**	**0.0394**		**356.5072**	**356.5072**	**0.0227**		**357.0742**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.3341	10.0395	17.2957	0.0228		0.0374	0.0374		0.0374	0.0374	0.0000	2,207.2109	2,207.2109	0.7139		2,225.0573
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**0.3341**	**10.0395**	**17.2957**	**0.0228**		**0.0374**	**0.0374**		**0.0374**	**0.0374**	**0.0000**	**2,207.2109**	**2,207.2109**	**0.7139**		**2,225.0573**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0302	1.0183	0.2595	2.7100e-003	0.0677	2.1400e-003	0.0698	0.0195	2.0500e-003	0.0215		291.3520	291.3520	0.0208		291.8724
Worker	0.0277	0.0180	0.2122	6.5000e-004	0.0657	4.5000e-004	0.0662	0.0174	4.2000e-004	0.0179		65.1553	65.1553	1.8600e-003		65.2018
Total	**0.0579**	**1.0363**	**0.4717**	**3.3600e-003**	**0.1334**	**2.5900e-003**	**0.1360**	**0.0369**	**2.4700e-003**	**0.0394**		**356.5072**	**356.5072**	**0.0227**		**357.0742**

3.5 Central Landscaping - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	3.3094	34.9407	22.4722	0.0422		1.6816	1.6816		1.5471	1.5471		4,086.8444	4,086.8444	1.3218		4,119.8886
Total	**3.3094**	**34.9407**	**22.4722**	**0.0422**	**18.0663**	**1.6816**	**19.7479**	**9.9307**	**1.5471**	**11.4778**		**4,086.8444**	**4,086.8444**	**1.3218**		**4,119.8886**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0113	0.3849	0.0983	1.0700e-003	0.0271	7.4000e-004	0.0278	7.8000e-003	7.0000e-004	8.5000e-003		115.4455	115.4455	8.0700e-003		115.6473
Worker	0.0131	8.2000e-003	0.0987	3.1000e-004	0.0329	2.2000e-004	0.0331	8.7200e-003	2.0000e-004	8.9200e-003		31.3824	31.3824	8.5000e-004		31.4037
Total	**0.0243**	**0.3931**	**0.1970**	**1.3800e-003**	**0.0599**	**9.6000e-004**	**0.0609**	**0.0165**	**9.0000e-004**	**0.0174**		**146.8279**	**146.8279**	**8.9200e-003**		**147.0510**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	0.7985	14.4865	26.0989	0.0422		0.1571	0.1571		0.1571	0.1571	0.0000	4,086.8444	4,086.8444	1.3218		4,119.8886
Total	**0.7985**	**14.4865**	**26.0989**	**0.0422**	**18.0663**	**0.1571**	**18.2234**	**9.9307**	**0.1571**	**10.0878**	**0.0000**	**4,086.8444**	**4,086.8444**	**1.3218**		**4,119.8886**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0113	0.3849	0.0983	1.0700e-003	0.0271	7.4000e-004	0.0278	7.8000e-003	7.0000e-004	8.5000e-003		115.4455	115.4455	8.0700e-003		115.6473
Worker	0.0131	8.2000e-003	0.0987	3.1000e-004	0.0329	2.2000e-004	0.0331	8.7200e-003	2.0000e-004	8.9200e-003		31.3824	31.3824	8.5000e-004		31.4037
Total	**0.0243**	**0.3931**	**0.1970**	**1.3800e-003**	**0.0599**	**9.6000e-004**	**0.0609**	**0.0165**	**9.0000e-004**	**0.0174**		**146.8279**	**146.8279**	**8.9200e-003**		**147.0510**

3.6 North Paving - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.0327	10.1917	14.5842	0.0228		0.5102	0.5102		0.4694	0.4694		2,207.5841	2,207.5841	0.7140		2,225.4336
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.0327**	**10.1917**	**14.5842**	**0.0228**		**0.5102**	**0.5102**		**0.4694**	**0.4694**		**2,207.5841**	**2,207.5841**	**0.7140**		**2,225.4336**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0217	0.7576	0.2251	2.6000e-003	0.0677	8.9000e-004	0.0686	0.0195	8.5000e-004	0.0203		281.3170	281.3170	0.0185		281.7789
Worker	0.0248	0.0150	0.1833	6.1000e-004	0.0657	4.4000e-004	0.0662	0.0174	4.0000e-004	0.0178		60.3654	60.3654	1.5600e-003		60.4044
Total	**0.0465**	**0.7726**	**0.4084**	**3.2100e-003**	**0.1334**	**1.3300e-003**	**0.1347**	**0.0369**	**1.2500e-003**	**0.0382**		**341.6824**	**341.6824**	**0.0200**		**342.1833**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.3341	10.0395	17.2957	0.0228		0.0374	0.0374		0.0374	0.0374	0.0000	2,207.5841	2,207.5841	0.7140		2,225.4336
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**0.3341**	**10.0395**	**17.2957**	**0.0228**		**0.0374**	**0.0374**		**0.0374**	**0.0374**	**0.0000**	**2,207.5841**	**2,207.5841**	**0.7140**		**2,225.4336**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0217	0.7576	0.2251	2.6000e-003	0.0677	8.9000e-004	0.0686	0.0195	8.5000e-004	0.0203		281.3170	281.3170	0.0185		281.7789
Worker	0.0248	0.0150	0.1833	6.1000e-004	0.0657	4.4000e-004	0.0662	0.0174	4.0000e-004	0.0178		60.3654	60.3654	1.5600e-003		60.4044
Total	**0.0465**	**0.7726**	**0.4084**	**3.2100e-003**	**0.1334**	**1.3300e-003**	**0.1347**	**0.0369**	**1.2500e-003**	**0.0382**		**341.6824**	**341.6824**	**0.0200**		**342.1833**

3.7 North Landscaping - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	2.7896	29.2535	21.0151	0.0422		1.3245	1.3245		1.2186	1.2186		4,088.2806	4,088.2806	1.3222		4,121.3364
Total	**2.7896**	**29.2535**	**21.0151**	**0.0422**	**18.0663**	**1.3245**	**19.3908**	**9.9307**	**1.2186**	**11.1492**		**4,088.2806**	**4,088.2806**	**1.3222**		**4,121.3364**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	8.6700e-003	0.3030	0.0901	1.0400e-003	0.0271	3.6000e-004	0.0274	7.7900e-003	3.4000e-004	8.1400e-003		112.5268	112.5268	7.3900e-003		112.7116
Worker	0.0124	7.4900e-003	0.0916	3.0000e-004	0.0329	2.2000e-004	0.0331	8.7200e-003	2.0000e-004	8.9200e-003		30.1827	30.1827	7.8000e-004		30.2022
Total	**0.0211**	**0.3105**	**0.1817**	**1.3400e-003**	**0.0599**	**5.8000e-004**	**0.0605**	**0.0165**	**5.4000e-004**	**0.0171**		**142.7095**	**142.7095**	**8.1700e-003**		**142.9138**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	0.7985	14.4865	26.0989	0.0422		0.1571	0.1571		0.1571	0.1571	0.0000	4,088.2806	4,088.2806	1.3222		4,121.3364
Total	**0.7985**	**14.4865**	**26.0989**	**0.0422**	**18.0663**	**0.1571**	**18.2234**	**9.9307**	**0.1571**	**10.0878**	**0.0000**	**4,088.2806**	**4,088.2806**	**1.3222**		**4,121.3364**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	8.6700e-003	0.3030	0.0901	1.0400e-003	0.0271	3.6000e-004	0.0274	7.7900e-003	3.4000e-004	8.1400e-003		112.5268	112.5268	7.3900e-003		112.7116
Worker	0.0124	7.4900e-003	0.0916	3.0000e-004	0.0329	2.2000e-004	0.0331	8.7200e-003	2.0000e-004	8.9200e-003		30.1827	30.1827	7.8000e-004		30.2022
Total	**0.0211**	**0.3105**	**0.1817**	**1.3400e-003**	**0.0599**	**5.8000e-004**	**0.0605**	**0.0165**	**5.4000e-004**	**0.0171**		**142.7095**	**142.7095**	**8.1700e-003**		**142.9138**

3.8 PA 16/19 Paving - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.0327	10.1917	14.5842	0.0228		0.5102	0.5102		0.4694	0.4694		2,207.5841	2,207.5841	0.7140		2,225.4336
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.0327**	**10.1917**	**14.5842**	**0.0228**		**0.5102**	**0.5102**		**0.4694**	**0.4694**		**2,207.5841**	**2,207.5841**	**0.7140**		**2,225.4336**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0217	0.7576	0.2251	2.6000e-003	0.0677	8.9000e-004	0.0686	0.0195	8.5000e-004	0.0203		281.3170	281.3170	0.0185		281.7789
Worker	0.0248	0.0150	0.1833	6.1000e-004	0.0657	4.4000e-004	0.0662	0.0174	4.0000e-004	0.0178		60.3654	60.3654	1.5600e-003		60.4044
Total	**0.0465**	**0.7726**	**0.4084**	**3.2100e-003**	**0.1334**	**1.3300e-003**	**0.1347**	**0.0369**	**1.2500e-003**	**0.0382**		**341.6824**	**341.6824**	**0.0200**		**342.1833**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.3341	10.0395	17.2957	0.0228		0.0374	0.0374		0.0374	0.0374	0.0000	2,207.5841	2,207.5841	0.7140		2,225.4336
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**0.3341**	**10.0395**	**17.2957**	**0.0228**		**0.0374**	**0.0374**		**0.0374**	**0.0374**	**0.0000**	**2,207.5841**	**2,207.5841**	**0.7140**		**2,225.4336**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0217	0.7576	0.2251	2.6000e-003	0.0677	8.9000e-004	0.0686	0.0195	8.5000e-004	0.0203		281.3170	281.3170	0.0185		281.7789
Worker	0.0248	0.0150	0.1833	6.1000e-004	0.0657	4.4000e-004	0.0662	0.0174	4.0000e-004	0.0178		60.3654	60.3654	1.5600e-003		60.4044
Total	**0.0465**	**0.7726**	**0.4084**	**3.2100e-003**	**0.1334**	**1.3300e-003**	**0.1347**	**0.0369**	**1.2500e-003**	**0.0382**		**341.6824**	**341.6824**	**0.0200**		**342.1833**

3.9 PA 16/19 Landscaping - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	2.7896	29.2535	21.0151	0.0422		1.3245	1.3245		1.2186	1.2186		4,088.2806	4,088.2806	1.3222		4,121.3364
Total	**2.7896**	**29.2535**	**21.0151**	**0.0422**	**18.0663**	**1.3245**	**19.3908**	**9.9307**	**1.2186**	**11.1492**		**4,088.2806**	**4,088.2806**	**1.3222**		**4,121.3364**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	8.6700e-003	0.3030	0.0901	1.0400e-003	0.0271	3.6000e-004	0.0274	7.7900e-003	3.4000e-004	8.1400e-003		112.5268	112.5268	7.3900e-003		112.7116
Worker	0.0124	7.4900e-003	0.0916	3.0000e-004	0.0329	2.2000e-004	0.0331	8.7200e-003	2.0000e-004	8.9200e-003		30.1827	30.1827	7.8000e-004		30.2022
Total	**0.0211**	**0.3105**	**0.1817**	**1.3400e-003**	**0.0599**	**5.8000e-004**	**0.0605**	**0.0165**	**5.4000e-004**	**0.0171**		**142.7095**	**142.7095**	**8.1700e-003**		**142.9138**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	0.7985	14.4865	26.0989	0.0422		0.1571	0.1571		0.1571	0.1571	0.0000	4,088.2806	4,088.2806	1.3222		4,121.3364
Total	**0.7985**	**14.4865**	**26.0989**	**0.0422**	**18.0663**	**0.1571**	**18.2234**	**9.9307**	**0.1571**	**10.0878**	**0.0000**	**4,088.2806**	**4,088.2806**	**1.3222**		**4,121.3364**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	8.6700e-003	0.3030	0.0901	1.0400e-003	0.0271	3.6000e-004	0.0274	7.7900e-003	3.4000e-004	8.1400e-003		112.5268	112.5268	7.3900e-003		112.7116
Worker	0.0124	7.4900e-003	0.0916	3.0000e-004	0.0329	2.2000e-004	0.0331	8.7200e-003	2.0000e-004	8.9200e-003		30.1827	30.1827	7.8000e-004		30.2022
Total	**0.0211**	**0.3105**	**0.1817**	**1.3400e-003**	**0.0599**	**5.8000e-004**	**0.0605**	**0.0165**	**5.4000e-004**	**0.0171**		**142.7095**	**142.7095**	**8.1700e-003**		**142.9138**

3.10 South PVR Haul - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	4.0765	42.4173	21.5136	0.0380		2.1974	2.1974		2.0216	2.0216		3,685.1016	3,685.1016	1.1918		3,714.8975
Total	**4.0765**	**42.4173**	**21.5136**	**0.0380**	**18.0663**	**2.1974**	**20.2637**	**9.9307**	**2.0216**	**11.9523**		**3,685.1016**	**3,685.1016**	**1.1918**		**3,714.8975**

Unmitigated Construction Off-Site

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

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	0.6967	12.1620	22.9600	0.0380		0.0621	0.0621		0.0621	0.0621	0.0000	3,685.1016	3,685.1016	1.1918		3,714.8975
Total	**0.6967**	**12.1620**	**22.9600**	**0.0380**	**18.0663**	**0.0621**	**18.1283**	**9.9307**	**0.0621**	**9.9928**	**0.0000**	**3,685.1016**	**3,685.1016**	**1.1918**		**3,714.8975**

Mitigated Construction Off-Site

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

CalEEMod Version: CalEEMod.2016.3.1

Date: 9/1/2017 4:59 PM

Proctor Valley Road

San Diego County, Mitigation Report

Construction Mitigation Summary

Phase	ROG	NOx	CO	SO2	Exhaust PM10	Exhaust PM2.5	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction												
Central Landscaping	0.75	0.58	-0.16	0.00	0.91	0.90	0.00	0.00	0.00	0.00	0.00	0.00
Central Paving	0.70	0.21	-0.17	0.00	0.94	0.94	0.00	0.00	0.00	0.00	0.00	0.00
North Landscaping	0.71	0.50	-0.24	0.00	0.88	0.87	0.00	0.00	0.00	0.00	0.00	0.00
North Paving	0.65	0.01	-0.18	0.00	0.93	0.92	0.00	0.00	0.00	0.00	0.00	0.00
PA 16/19 Landscaping	0.71	0.50	-0.24	0.00	0.88	0.87	0.00	0.00	0.00	0.00	0.00	0.00
PA 16/19 Paving	0.65	0.01	-0.18	0.00	0.92	0.92	0.00	0.00	0.00	0.00	0.00	0.00
South Landscaping	0.81	0.67	-0.07	0.00	0.93	0.92	0.00	0.00	0.00	0.00	0.00	0.00
South Paving	0.72	0.26	-0.17	0.00	0.94	0.94	0.00	0.00	0.00	0.00	0.00	0.00
South PVR Haul	0.83	0.71	-0.07	0.00	0.97	0.97	0.00	0.00	0.00	0.00	0.00	0.00

OFFROAD Equipment Mitigation

Equipment Type	Fuel Type	Tier	Number Mitigated	Total Number of Equipment	DPF	Oxidation Catalyst
Pavers	Diesel	Tier 4 Interim	8	8	No Change	0.00
Paving Equipment	Diesel	Tier 4 Interim	8	8	No Change	0.00
Rollers	Diesel	Tier 4 Interim	8	8	No Change	0.00
Off-Highway Trucks	Diesel	Tier 4 Interim	4	4	No Change	0.00
Skid Steer Loaders	Diesel	Tier 4 Interim	8	8	No Change	0.00
Rubber Tired Dozers	Diesel	Tier 4 Interim	15	15	No Change	0.00
Tractors/Loaders/Backhoes	Diesel	Tier 4 Interim	20	20	No Change	0.00

Equipment Type	ROG	NOx	CO	SO2	Exhaust PM10	Exhaust PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	Unmitigated tons/yr						Unmitigated mt/yr					
Pavers	2.52300E-002	2.60520E-001	3.21320E-001	5.20000E-004	1.25000E-002	1.15000E-002	0.00000E+000	4.58339E+001	4.58339E+001	1.48200E-002	0.00000E+000	4.62045E+001
Paving Equipment	2.06800E-002	2.04410E-001	2.82640E-001	4.50000E-004	1.00700E-002	9.26000E-003	0.00000E+000	3.97226E+001	3.97226E+001	1.28500E-002	0.00000E+000	4.00437E+001
Rollers	1.98200E-002	2.02750E-001	2.07730E-001	2.90000E-004	1.20700E-002	1.11000E-002	0.00000E+000	2.55865E+001	2.55865E+001	8.28000E-003	0.00000E+000	2.57933E+001
Rubber Tired Dozers	1.34860E-001	1.41225E+000	5.57970E-001	1.32000E-003	6.70100E-002	6.16500E-002	0.00000E+000	1.15933E+002	1.15933E+002	3.74900E-002	0.00000E+000	1.16870E+002
Skid Steer Loaders	5.89000E-003	7.83200E-002	1.16510E-001	1.70000E-004	2.94000E-003	2.70000E-003	0.00000E+000	1.52696E+001	1.52696E+001	4.94000E-003	0.00000E+000	1.53931E+001
Tractors/Loaders/Backhoes	3.65100E-002	3.68920E-001	4.63900E-001	6.40000E-004	2.09200E-002	1.92400E-002	0.00000E+000	5.62857E+001	5.62857E+001	1.82000E-002	0.00000E+000	5.67408E+001

Equipment Type	ROG	NOx	CO	SO2	Exhaust PM10	Exhaust PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	Mitigated tons/yr						Mitigated mt/yr					
Pavers	6.41000E-003	2.29810E-001	3.95500E-001	5.20000E-004	8.60000E-004	8.60000E-004	0.00000E+000	4.58339E+001	4.58339E+001	1.48200E-002	0.00000E+000	4.62044E+001
Paving Equipment	5.58000E-003	2.00010E-001	3.44210E-001	4.50000E-004	7.40000E-004	7.40000E-004	0.00000E+000	3.97225E+001	3.97225E+001	1.28500E-002	0.00000E+000	4.00437E+001
Rollers	6.55000E-003	1.27360E-001	2.20200E-001	2.90000E-004	4.80000E-004	4.80000E-004	0.00000E+000	2.55864E+001	2.55864E+001	8.28000E-003	0.00000E+000	2.57933E+001
Rubber Tired Dozers	2.15400E-002	3.47300E-001	6.99970E-001	1.32000E-003	2.15000E-003	2.15000E-003	0.00000E+000	1.15932E+002	1.15932E+002	3.74900E-002	0.00000E+000	1.16870E+002
Skid Steer Loaders	4.28000E-003	9.76300E-002	1.31830E-001	1.70000E-004	3.99000E-003	3.99000E-003	0.00000E+000	1.52696E+001	1.52696E+001	4.94000E-003	0.00000E+000	1.53931E+001
Tractors/Loaders/Backhoes	1.43400E-002	2.79050E-001	4.82470E-001	6.40000E-004	1.04000E-003	1.04000E-003	0.00000E+000	5.62856E+001	5.62856E+001	1.82000E-002	0.00000E+000	5.67407E+001

Equipment Type	ROG	NOx	CO	SO2	Exhaust PM10	Exhaust PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	Percent Reduction											
Pavers	7.45937E-001	1.17880E-001	-2.30860E-001	0.00000E+000	9.31200E-001	9.25217E-001	0.00000E+000	1.30907E-006	1.30907E-006	0.00000E+000	0.00000E+000	1.29857E-006
Paving Equipment	7.30174E-001	2.15254E-002	-2.17839E-001	0.00000E+000	9.26514E-001	9.20086E-001	0.00000E+000	1.25873E-006	1.25873E-006	0.00000E+000	0.00000E+000	1.24863E-006
Rollers	6.69526E-001	3.71837E-001	-6.00298E-002	0.00000E+000	9.60232E-001	9.56757E-001	0.00000E+000	1.17250E-006	1.17250E-006	0.00000E+000	0.00000E+000	1.55079E-006
Rubber Tired Dozers	8.40279E-001	7.54080E-001	-2.54494E-001	0.00000E+000	9.67915E-001	9.65126E-001	0.00000E+000	1.12134E-006	1.12134E-006	0.00000E+000	0.00000E+000	1.19791E-006
Skid Steer Loaders	2.73345E-001	-2.46553E-001	-1.31491E-001	0.00000E+000	-3.57143E-001	-4.77778E-001	0.00000E+000	1.30979E-006	1.30979E-006	0.00000E+000	0.00000E+000	1.29929E-006
Tractors/Loaders/Backhoes	6.07231E-001	2.43603E-001	-4.00302E-002	0.00000E+000	9.50287E-001	9.45946E-001	0.00000E+000	1.24366E-006	1.24366E-006	0.00000E+000	0.00000E+000	1.05744E-006

Fugitive Dust Mitigation

Yes/No	Mitigation Measure	Mitigation Input		Mitigation Input		Mitigation Input	
Yes	Soil Stabilizer for unpaved Roads	PM10 Reduction	30.00	PM2.5 Reduction	30.00		
No	Replace Ground Cover of Area Disturbed	PM10 Reduction	0.00	PM2.5 Reduction	0.00		
No	Water Exposed Area	PM10 Reduction	61.00	PM2.5 Reduction	61.00	Frequency (per day)	3.00
No	Unpaved Road Mitigation	Moisture Content %	0.50	Vehicle Speed (mph)	15.00		
Yes	Clean Paved Road	% PM Reduction	0.00				

		Unmitigated		Mitigated		Percent Reduction	
Phase	Source	PM10	PM2.5	PM10	PM2.5	PM10	PM2.5
Central Landscaping	Fugitive Dust	0.19	0.10	0.19	0.10	0.00	0.00
Central Landscaping	Roads	0.00	0.00	0.00	0.00	0.00	0.00
Central Paving	Fugitive Dust	0.00	0.00	0.00	0.00	0.00	0.00
Central Paving	Roads	0.00	0.00	0.00	0.00	0.00	0.00
North Landscaping	Fugitive Dust	0.18	0.10	0.18	0.10	0.00	0.00
North Landscaping	Roads	0.00	0.00	0.00	0.00	0.00	0.00
North Paving	Fugitive Dust	0.00	0.00	0.00	0.00	0.00	0.00
North Paving	Roads	0.00	0.00	0.00	0.00	0.00	0.00
PA 16/19 Landscaping	Fugitive Dust	0.19	0.10	0.19	0.10	0.00	0.00
PA 16/19 Landscaping	Roads	0.00	0.00	0.00	0.00	0.00	0.00
PA 16/19 Paving	Fugitive Dust	0.00	0.00	0.00	0.00	0.00	0.00
PA 16/19 Paving	Roads	0.00	0.00	0.00	0.00	0.00	0.00
South Landscaping	Fugitive Dust	0.20	0.11	0.20	0.11	0.00	0.00
South Landscaping	Roads	0.00	0.00	0.00	0.00	0.00	0.00
South Paving	Fugitive Dust	0.00	0.00	0.00	0.00	0.00	0.00
South Paving	Roads	0.00	0.00	0.00	0.00	0.00	0.00
South PVR Haul	Fugitive Dust	0.17	0.09	0.17	0.09	0.00	0.00
South PVR Haul	Roads	0.00	0.00	0.00	0.00	0.00	0.00

Operational Percent Reduction Summary

Category	ROG	NOx	CO	SO2	Exhaust PM10	Exhaust PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction												
Architectural Coating	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Consumer Products	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Electricity	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hearth	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Landscaping	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Mobile	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Natural Gas	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Water Indoor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Water Outdoor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Operational Mobile Mitigation

Project Setting:

Mitigation Selected	Category	Measure	% Reduction	Input Value 1	Input Value 2	Input Value 3
No	Land Use	Increase Density	0.00			
No	Land Use	Increase Diversity	0.00	0.15		
No	Land Use	Improve Walkability Design	0.00			
No	Land Use	Improve Destination Accessibility	0.00			
No	Land Use	Increase Transit Accessibility	0.25			
No	Land Use	Integrate Below Market Rate Housing	0.00			
	Land Use	Land Use SubTotal	0.00			
No	Neighborhood Enhancements	Improve Pedestrian Network				
No	Neighborhood Enhancements	Provide Traffic Calming Measures				
No	Neighborhood Enhancements	Implement NEV Network	0.00			
	Neighborhood Enhancements	Neighborhood Enhancements Subtotal	0.00			
No	Parking Policy Pricing	Limit Parking Supply	0.00			
No	Parking Policy Pricing	Unbundle Parking Costs	0.00			
No	Parking Policy Pricing	On-street Market Pricing	0.00			
	Parking Policy Pricing	Parking Policy Pricing Subtotal	0.00			
No	Transit Improvements	Provide BRT System	0.00			
No	Transit Improvements	Expand Transit Network	0.00			
No	Transit Improvements	Increase Transit Frequency	0.00			
	Transit Improvements	Transit Improvements Subtotal	0.00			
		Land Use and Site Enhancement Subtotal	0.00			
No	Commute	Implement Trip Reduction Program				
No	Commute	Transit Subsidy				
No	Commute	Implement Employee Parking "Cash Out"				
No	Commute	Workplace Parking Charge				
No	Commute	Encourage Telecommuting and Alternative	0.00			
No	Commute	Market Commute Trip Reduction Option	0.00			
No	Commute	Employee Vanpool/Shuttle	0.00		2.00	
No	Commute	Provide Ride Sharing Program				
	Commute	Commute Subtotal	0.00			
No	School Trip	Implement School Bus Program	0.00			
		Total VMT Reduction	0.00			

Area Mitigation

Measure Implemented	Mitigation Measure	Input Value
No	Only Natural Gas Hearth	
No	No Hearth	
No	Use Low VOC Cleaning Supplies	
No	Use Low VOC Paint (Residential Interior)	250.00
No	Use Low VOC Paint (Residential Exterior)	250.00
No	Use Low VOC Paint (Non-residential Interior)	250.00
No	Use Low VOC Paint (Non-residential Exterior)	250.00
No	Use Low VOC Paint (Parking)	250.00
No	% Electric Lawnmower	
No	% Electric Leafblower	
No	% Electric Chainsaw	

Energy Mitigation Measures

Measure Implemented	Mitigation Measure	Input Value 1	Input Value 2
No	Exceed Title 24		
No	Install High Efficiency Lighting		
No	On-site Renewable		

Appliance Type	Land Use Subtype	% Improvement
ClothWasher		30.00
DishWasher		15.00
Fan		50.00
Refrigerator		15.00

Water Mitigation Measures

Measure Implemented	Mitigation Measure	Input Value 1	Input Value 2
No	Apply Water Conservation on Strategy		
No	Use Reclaimed Water		
No	Use Grey Water		
No	Install low-flow bathroom faucet	32.00	
No	Install low-flow Kitchen faucet	18.00	
No	Install low-flow Toilet	20.00	
No	Install low-flow Shower	20.00	
No	Turf Reduction		
No	Use Water Efficient Irrigation Systems	6.10	
No	Water Efficient Landscape		

Solid Waste Mitigation

Mitigation Measures	Input Value
Institute Recycling and Composting Services Percent Reduction in Waste Disposed	

CalEEMod Input Matrix
Project Charateristics

Table 1: Project Detail			
Project Characteristic (unit)	**Analyst Input**	**Notes**	**Source**
Project Name	Proctor Valley Road	Notes	Project Description
Project Location	San Diego County	--	
Wind speed (m/s)	default		
Precipitation Frequency (days)	default		
CEC Climate Forecasting Zone	13	--	CalEEMod Appendix E
Land Use Setting	Urban	based on availability of uses	--
Start of Construction	1-May-20	Offsite Schedule	Proctor Valley EIR Assumptions
Operational Year	N/A		

Table 2: Utility Information			
Project Characteristic (unit)	**Analyst Input**	**Notes**	**Source**
Select Utility Company	N/A		
CO2 Intensity Factor (lb./Mwh)			
CH4 Intensity Factor (lb./Mwh)			
N20 Intensity Factor (lb./Mwh)			

CalEEMod Input Matrix
Project Charateristics

Table 3: Pollutants			
Pollutant Selection	**Pollutant Full Name**	**Notes**	**Source**
checked	ROG	--	--
checked	NOx	--	--
checked	CO	--	--
checked	SO2	--	--
checked	PM 10	--	--
checked	PM 2.5	--	--
checked	Fugitive PM 10	--	--
checked	Fugitive PM 2.5	--	--
checked	Biogenic CO2	--	--
checked	Non-biogenic CO2	--	--
checked	CO2	--	--
checked	CH4	--	--
checked	N20	--	--
checked	CO2e	--	--

Table 4 pertains to operational emissions and is therefore omitted

CalEEMod Input Sheet
Construction Phase

Table 5: Construction					
Phase Name	**Phase Type**	**Start Date**	**End Date**	**Days/Week**	**Total Days**
South Paving	Paving	1-May-20	31-May-20	5 days/week	21
South Landscaping	Site Prep	1-Jun-20	30-Jun-20	5 days/week	22
Central Paving	Paving	1-Nov-21	31-Dec-21	5 days/week	45
Central Landscaping	Site Prep	1-Jan-22	31-Jan-22	5 days/week	21
North Paving	Paving	1-Jan-23	31-Jan-23	5 days/week	22
North Landscaping	Site Prep	1-Feb-23	28-Feb-23	5 days/week	20
PA 16/19 Paving	Paving	1-Aug-23	31-Aug-23	5 days/week	23
PA 16/19 Landscaping	Site Prep	1-Sep-23	30-Sep-23	5 days/week	21
South Haul	Site Prep	4-Sep-20	30-Sep-20	5 days/week	19

Table 6: Off-Road Equipment					
Phase Name	**Equipment Type**	**Unit Amount**	**Hours/Day**	**Horsepower (hp)**	**Load Factor**
South Paving	default				
South Landscaping	Skid Steer	2	default		
Central Paving	default				
Central Landscaping	Skid Steer	2	default		
North Paving	default				
North Landscaping	Skid Steer	2	default		
PA 16/19 Paving	default				
PA 16/19 Landscaping	Skid Steer	2	default		
South Haul	Off-highway Trucks	4	8	default	

CalEEMod Input Sheet
Construction Phase

Table 7: Dust from Material Movement								
Phase Name	**Material Imported**	**Material Exported**	**Size Metric**	**Material Import/Export Phased?**	**Mean Vehicle Speed (mph)**	**Total Acres Graded**	**Material Moisture Content (%) Bulldozing**	**Material Silt Content**
SV Grading	default					23.17	default	
SCV Grading						5.28		
CV Grading						7.24		
NV Grading						12.55		

Table 8: Demolition		
Phase Name	**Size Metric**	**Unit Amount**
default		

Table 9: Construction Trips and VMT									
Phase Name	**# Trips Worker (/day)**	**# Trips Vendor (/day)**	**Total # Trips Hauling**	**Trip Length Worker (miles)**	**Trip Length Worker (miles)**	**Trip Length Hauling (miles)**	**Vehicle Class Worker**	**Vehicle Class Vendor**	**Vehicle Class Hauling**
South Paving	Refer to Construction VMT Worksheet								
South Landscaping									
Central Paving									
Central Landscaping									
North Paving									
North Landscaping									
PA 16/19 Paving									
PA 16/19 Landscaping									

CalEEMod Input Sheet
Construction Phase

Table 10: On-Road Fugitive Dust								
Phase Name	**% Pave Worker**	**% Pave Vendor**	**% Pave Hauling**	**Road Silt Loading (g/m2)**	**Material Silt Content (%)**	**Material Moisture Content (%)**	**Average Vehicle Weight (tons)**	**Mean Vehicle Speed (mph)**
South Paving	default							
South Landscaping								
Central Paving								
Central Landscaping								
North Paving								
North Landscaping								
PA 16/19 Paving								
PA 16/19 Landscaping								

Table 11: Construction Trips and VMT										
Phase Name	**Residential Interior VOC (g/L)**	**Residential Interior Area (sqft)**	**Residential Exterior VOC (g/L)**	**Residential Exterior Area (sqft)**	**Non-Residential Interior VOC (g/L)**	**Non-Residential Interior Area (sqft)**	**Non-Residential Exterior VOC (g/L)**	**Non-Residential Exterior Area (sqft)**	**VOC for Parking Lot Paint (g/L)**	**Parking Area (sqft)**
N/A										

Tables 12 through 31 pertain to operational emissions and are therefore omitted

CalEEMod Input Sheet
Construction Mitigation

Table 32: Off-Road Equipment						
Equipment Type	**Fuel Type**	**Engine Tier**	**Number of Equipments Mitigated**	**Total Number of Off-road Equipments**	**DPF Level**	**Using Oxidation Catalyst (% Reduction)**
All Tier 4 Interim						

Table 33: Fugitive Dust	
Soil Stabilizer for Unpaved Roads	
PM 10 (% Reduction)	30
PM 2.5 (% Reduction)	30
Replace Ground Cover of Area Disturbed	
PM 10 (% Reduction)	--
PM 2.5 (% Reduction)	--
Water Exposed Area	
Frequency (per day)	3
PM 10 (% Reduction)	default
PM 2.5 (% Reduction)	
Unpaved Road Mitigation	
Moisture Content (%)	--
Vehicle Speed (mph)	15
Clean Paved Road	
% PM Reduction	--

CalEEMod Version: CalEEMod.2016.3.2

Date: 12/21/2017 1:50 PM

PV Valley Road North additional bike lanes - San Diego County, Winter

PV Valley Road North additional bike lanes

San Diego County, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Other Asphalt Surfaces	65.00	1000sqft	1.49	65,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.6	**Precipitation Freq (Days)**	40
Climate Zone	13			**Operational Year**	2019
Utility Company	San Diego Gas & Electric				
CO2 Intensity (lb/MWhr)	720.49	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Land Use - Applicant Provided Informaiton

Construction Phase - Applicant Provided Information

Off-road Equipment - Applicant provided information

Architectural Coating - SDAPCD RULE 67.0.1

Construction Off-road Equipment Mitigation - mitigation

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Parking	250.00	100.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	Tier	No Change	Tier 4 Interim
tblConstEquipMitigation	Tier	No Change	Tier 4 Interim
tblConstEquipMitigation	Tier	No Change	Tier 4 Interim
tblConstEquipMitigation	Tier	No Change	Tier 4 Interim
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Interim
tblConstEquipMitigation	Tier	No Change	Tier 4 Interim
tblConstEquipMitigation	Tier	No Change	Tier 4 Interim
tblConstEquipMitigation	Tier	No Change	Tier 4 Interim
tblConstructionPhase	NumDays	10.00	2.00
tblConstructionPhase	NumDays	4.00	2.00
tblConstructionPhase	NumDays	10.00	5.00
tblGrading	AcresOfGrading	1.00	1.50
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	UsageHours	6.00	8.00

tblOffRoadEquipment	UsageHours	6.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	6.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblTripsAndVMT	WorkerTripNumber	20.00	15.00

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2022	9.2614	20.9910	17.3968	0.0328	6.9407	0.9375	7.8782	3.4288	0.8625	4.2913	0.0000	3,181.3016	3,181.3016	0.9962	0.0000	3,206.2061
Maximum	**9.2614**	**20.9910**	**17.3968**	**0.0328**	**6.9407**	**0.9375**	**7.8782**	**3.4288**	**0.8625**	**4.2913**	**0.0000**	**3,181.3016**	**3,181.3016**	**0.9962**	**0.0000**	**3,206.2061**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2022	9.1113	11.2893	20.9136	0.0328	2.7820	0.0527	2.8347	1.3572	0.0526	1.4098	0.0000	3,181.3016	3,181.3016	0.9962	0.0000	3,206.2061
Maximum	**9.1113**	**11.2893**	**20.9136**	**0.0328**	**2.7820**	**0.0527**	**2.8347**	**1.3572**	**0.0526**	**1.4098**	**0.0000**	**3,181.3016**	**3,181.3016**	**0.9962**	**0.0000**	**3,206.2061**

	ROG	**NOx**	**CO**	**SO2**	**Fugitive PM10**	**Exhaust PM10**	**PM10 Total**	**Fugitive PM2.5**	**Exhaust PM2.5**	**PM2.5 Total**	**Bio- CO2**	**NBio-CO2**	**Total CO2**	**CH4**	**N20**	**CO2e**
Percent Reduction	**1.62**	**46.22**	**-20.22**	**0.00**	**59.92**	**94.38**	**64.02**	**60.42**	**93.90**	**67.15**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.0360	6.0000e-005	6.7000e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005		0.0142	0.0142	4.0000e-005		0.0152
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	**0.0360**	**6.0000e-005**	**6.7000e-003**	**0.0000**	**0.0000**	**2.0000e-005**	**2.0000e-005**	**0.0000**	**2.0000e-005**	**2.0000e-005**		**0.0142**	**0.0142**	**4.0000e-005**	**0.0000**	**0.0152**

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.0360	6.0000e-005	6.7000e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005		0.0142	0.0142	4.0000e-005		0.0152
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	**0.0360**	**6.0000e-005**	**6.7000e-003**	**0.0000**	**0.0000**	**2.0000e-005**	**2.0000e-005**	**0.0000**	**2.0000e-005**	**2.0000e-005**		**0.0142**	**0.0142**	**4.0000e-005**	**0.0000**	**0.0152**

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

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Grading	Grading	6/16/2022	6/17/2022	5	2	
2	Paving	Paving	11/5/2022	11/11/2022	5	5	
3	Architectural Coating	Architectural Coating	11/12/2022	11/15/2022	5	2	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 1.5

Acres of Paving: 1.49

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 3,900

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Grading	Excavators	2	8.00	158	0.38
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Paving	Pavers	2	8.00	130	0.42
Paving	Paving Equipment	2	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38
Architectural Coating	Air Compressors	1	6.00	78	0.48
Paving	Cement and Mortar Mixers	1	6.00	9	0.56
Paving	Tractors/Loaders/Backhoes	1	8.00	97	0.37

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Architectural Coating	1	5.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading	6	15.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	8	15.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Use Soil Stabilizer

Water Exposed Area

3.2 Grading - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.8175	0.0000	6.8175	3.3961	0.0000	3.3961			0.0000			0.0000
Off-Road	1.9864	20.9565	16.2899	0.0317		0.9366	0.9366		0.8617	0.8617		3,070.8227	3,070.8227	0.9932		3,095.6519
Total	**1.9864**	**20.9565**	**16.2899**	**0.0317**	**6.8175**	**0.9366**	**7.7541**	**3.3961**	**0.8617**	**4.2578**		**3,070.8227**	**3,070.8227**	**0.9932**		**3,095.6519**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0558	0.0345	0.3470	1.1100e-003	0.1232	8.3000e-004	0.1241	0.0327	7.7000e-004	0.0335		110.4788	110.4788	3.0200e-003		110.5543
Total	**0.0558**	**0.0345**	**0.3470**	**1.1100e-003**	**0.1232**	**8.3000e-004**	**0.1241**	**0.0327**	**7.7000e-004**	**0.0335**		**110.4788**	**110.4788**	**3.0200e-003**		**110.5543**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					2.6588	0.0000	2.6588	1.3245	0.0000	1.3245			0.0000			0.0000
Off-Road	0.5139	11.2548	20.5666	0.0317		0.0518	0.0518		0.0518	0.0518	0.0000	3,070.8227	3,070.8227	0.9932		3,095.6519
Total	**0.5139**	**11.2548**	**20.5666**	**0.0317**	**2.6588**	**0.0518**	**2.7106**	**1.3245**	**0.0518**	**1.3763**	**0.0000**	**3,070.8227**	**3,070.8227**	**0.9932**		**3,095.6519**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0558	0.0345	0.3470	1.1100e-003	0.1232	8.3000e-004	0.1241	0.0327	7.7000e-004	0.0335		110.4788	110.4788	3.0200e-003		110.5543
Total	**0.0558**	**0.0345**	**0.3470**	**1.1100e-003**	**0.1232**	**8.3000e-004**	**0.1241**	**0.0327**	**7.7000e-004**	**0.0335**		**110.4788**	**110.4788**	**3.0200e-003**		**110.5543**

3.3 Paving - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3116	13.0767	17.0498	0.0265		0.6688	0.6688		0.6161	0.6161		2,546.7865	2,546.7865	0.8154		2,567.1705
Paving	0.7808					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**2.0924**	**13.0767**	**17.0498**	**0.0265**		**0.6688**	**0.6688**		**0.6161**	**0.6161**		**2,546.7865**	**2,546.7865**	**0.8154**		**2,567.1705**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0558	0.0345	0.3470	1.1100e-003	0.1232	8.3000e-004	0.1241	0.0327	7.7000e-004	0.0335		110.4788	110.4788	3.0200e-003		110.5543
Total	**0.0558**	**0.0345**	**0.3470**	**1.1100e-003**	**0.1232**	**8.3000e-004**	**0.1241**	**0.0327**	**7.7000e-004**	**0.0335**		**110.4788**	**110.4788**	**3.0200e-003**		**110.5543**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.4037	8.2260	19.6377	0.0265		0.0425	0.0425		0.0425	0.0425	0.0000	2,546.7865	2,546.7865	0.8154		2,567.1705
Paving	0.7808					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.1845**	**8.2260**	**19.6377**	**0.0265**		**0.0425**	**0.0425**		**0.0425**	**0.0425**	**0.0000**	**2,546.7865**	**2,546.7865**	**0.8154**		**2,567.1705**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0558	0.0345	0.3470	1.1100e-003	0.1232	8.3000e-004	0.1241	0.0327	7.7000e-004	0.0335		110.4788	110.4788	3.0200e-003		110.5543
Total	**0.0558**	**0.0345**	**0.3470**	**1.1100e-003**	**0.1232**	**8.3000e-004**	**0.1241**	**0.0327**	**7.7000e-004**	**0.0335**		**110.4788**	**110.4788**	**3.0200e-003**		**110.5543**

3.4 Architectural Coating - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	9.0383					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2045	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817		281.4481	281.4481	0.0183		281.9062
Total	**9.2428**	**1.4085**	**1.8136**	**2.9700e-003**		**0.0817**	**0.0817**		**0.0817**	**0.0817**		**281.4481**	**281.4481**	**0.0183**		**281.9062**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0186	0.0115	0.1157	3.7000e-004	0.0411	2.8000e-004	0.0414	0.0109	2.6000e-004	0.0112		36.8263	36.8263	1.0100e-003		36.8514
Total	**0.0186**	**0.0115**	**0.1157**	**3.7000e-004**	**0.0411**	**2.8000e-004**	**0.0414**	**0.0109**	**2.6000e-004**	**0.0112**		**36.8263**	**36.8263**	**1.0100e-003**		**36.8514**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	9.0383					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.0545	1.0598	1.8324	2.9700e-003		3.9600e-003	3.9600e-003		3.9600e-003	3.9600e-003	0.0000	281.4481	281.4481	0.0183		281.9062
Total	**9.0927**	**1.0598**	**1.8324**	**2.9700e-003**		**3.9600e-003**	**3.9600e-003**		**3.9600e-003**	**3.9600e-003**	**0.0000**	**281.4481**	**281.4481**	**0.0183**		**281.9062**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0186	0.0115	0.1157	3.7000e-004	0.0411	2.8000e-004	0.0414	0.0109	2.6000e-004	0.0112		36.8263	36.8263	1.0100e-003		36.8514
Total	**0.0186**	**0.0115**	**0.1157**	**3.7000e-004**	**0.0411**	**2.8000e-004**	**0.0414**	**0.0109**	**2.6000e-004**	**0.0112**		**36.8263**	**36.8263**	**1.0100e-003**		**36.8514**

CalEEMod Version: CalEEMod.2016.3.2

Date: 12/21/2017 1:55 PM

PV Valley Road North additional bike lanes

San Diego County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Other Asphalt Surfaces	65.00	1000sqft	1.49	65,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.6	**Precipitation Freq (Days)**	40
Climate Zone	13			**Operational Year**	2019
Utility Company	San Diego Gas & Electric				
CO2 Intensity (lb/MWhr)	720.49	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Land Use - Applicant Provided Informaiton

Construction Phase - Applicant Provided Information

Off-road Equipment - Applicant provided information

Architectural Coating - SDAPCD RULE 67.0.1

Construction Off-road Equipment Mitigation - mitigation

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Parking	250.00	100.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	Tier	No Change	Tier 4 Interim
tblConstEquipMitigation	Tier	No Change	Tier 4 Interim
tblConstEquipMitigation	Tier	No Change	Tier 4 Interim
tblConstEquipMitigation	Tier	No Change	Tier 4 Interim
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Interim
tblConstEquipMitigation	Tier	No Change	Tier 4 Interim
tblConstEquipMitigation	Tier	No Change	Tier 4 Interim
tblConstEquipMitigation	Tier	No Change	Tier 4 Interim
tblConstructionPhase	NumDays	10.00	2.00
tblConstructionPhase	NumDays	4.00	2.00
tblConstructionPhase	NumDays	10.00	5.00
tblGrading	AcresOfGrading	1.00	1.50
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	UsageHours	6.00	8.00

tblOffRoadEquipment	UsageHours	6.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	6.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblTripsAndVMT	WorkerTripNumber	20.00	15.00

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2022	9.2591	20.9872	17.4197	0.0329	6.9407	0.9375	7.8782	3.4288	0.8625	4.2913	0.0000	3,188.5067	3,188.5067	0.9964	0.0000	3,213.4158
Maximum	**9.2591**	**20.9872**	**17.4197**	**0.0329**	**6.9407**	**0.9375**	**7.8782**	**3.4288**	**0.8625**	**4.2913**	**0.0000**	**3,188.5067**	**3,188.5067**	**0.9964**	**0.0000**	**3,213.4158**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2022	9.1091	11.2856	20.9365	0.0329	2.7820	0.0527	2.8347	1.3572	0.0526	1.4098	0.0000	3,188.5067	3,188.5067	0.9964	0.0000	3,213.4158
Maximum	**9.1091**	**11.2856**	**20.9365**	**0.0329**	**2.7820**	**0.0527**	**2.8347**	**1.3572**	**0.0526**	**1.4098**	**0.0000**	**3,188.5067**	**3,188.5067**	**0.9964**	**0.0000**	**3,213.4158**

	ROG	**NOx**	**CO**	**SO2**	**Fugitive PM10**	**Exhaust PM10**	**PM10 Total**	**Fugitive PM2.5**	**Exhaust PM2.5**	**PM2.5 Total**	**Bio- CO2**	**NBio-CO2**	**Total CO2**	**CH4**	**N20**	**CO2e**
Percent Reduction	**1.62**	**46.23**	**-20.19**	**0.00**	**59.92**	**94.38**	**64.02**	**60.42**	**93.90**	**67.15**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.0360	6.0000e-005	6.7000e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005		0.0142	0.0142	4.0000e-005		0.0152
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	**0.0360**	**6.0000e-005**	**6.7000e-003**	**0.0000**	**0.0000**	**2.0000e-005**	**2.0000e-005**	**0.0000**	**2.0000e-005**	**2.0000e-005**		**0.0142**	**0.0142**	**4.0000e-005**	**0.0000**	**0.0152**

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.0360	6.0000e-005	6.7000e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005		0.0142	0.0142	4.0000e-005		0.0152
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	**0.0360**	**6.0000e-005**	**6.7000e-003**	**0.0000**	**0.0000**	**2.0000e-005**	**2.0000e-005**	**0.0000**	**2.0000e-005**	**2.0000e-005**		**0.0142**	**0.0142**	**4.0000e-005**	**0.0000**	**0.0152**

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

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Grading	Grading	6/16/2022	6/17/2022	5	2	
2	Paving	Paving	11/5/2022	11/11/2022	5	5	
3	Architectural Coating	Architectural Coating	11/12/2022	11/15/2022	5	2	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 1.5

Acres of Paving: 1.49

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 3,900

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Grading	Excavators	2	8.00	158	0.38
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Paving	Pavers	2	8.00	130	0.42
Paving	Paving Equipment	2	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38
Architectural Coating	Air Compressors	1	6.00	78	0.48
Paving	Cement and Mortar Mixers	1	6.00	9	0.56
Paving	Tractors/Loaders/Backhoes	1	8.00	97	0.37

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Architectural Coating	1	5.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading	6	15.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	8	15.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Use Soil Stabilizer

Water Exposed Area

3.2 Grading - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.8175	0.0000	6.8175	3.3961	0.0000	3.3961			0.0000			0.0000
Off-Road	1.9864	20.9565	16.2899	0.0317		0.9366	0.9366		0.8617	0.8617		3,070.8227	3,070.8227	0.9932		3,095.6519
Total	**1.9864**	**20.9565**	**16.2899**	**0.0317**	**6.8175**	**0.9366**	**7.7541**	**3.3961**	**0.8617**	**4.2578**		**3,070.8227**	**3,070.8227**	**0.9932**		**3,095.6519**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0491	0.0307	0.3700	1.1800e-003	0.1232	8.3000e-004	0.1241	0.0327	7.7000e-004	0.0335		117.6840	117.6840	3.2000e-003		117.7639
Total	**0.0491**	**0.0307**	**0.3700**	**1.1800e-003**	**0.1232**	**8.3000e-004**	**0.1241**	**0.0327**	**7.7000e-004**	**0.0335**		**117.6840**	**117.6840**	**3.2000e-003**		**117.7639**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					2.6588	0.0000	2.6588	1.3245	0.0000	1.3245			0.0000			0.0000
Off-Road	0.5139	11.2548	20.5666	0.0317		0.0518	0.0518		0.0518	0.0518	0.0000	3,070.8227	3,070.8227	0.9932		3,095.6519
Total	**0.5139**	**11.2548**	**20.5666**	**0.0317**	**2.6588**	**0.0518**	**2.7106**	**1.3245**	**0.0518**	**1.3763**	**0.0000**	**3,070.8227**	**3,070.8227**	**0.9932**		**3,095.6519**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0491	0.0307	0.3700	1.1800e-003	0.1232	8.3000e-004	0.1241	0.0327	7.7000e-004	0.0335		117.6840	117.6840	3.2000e-003		117.7639
Total	**0.0491**	**0.0307**	**0.3700**	**1.1800e-003**	**0.1232**	**8.3000e-004**	**0.1241**	**0.0327**	**7.7000e-004**	**0.0335**		**117.6840**	**117.6840**	**3.2000e-003**		**117.7639**

3.3 Paving - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3116	13.0767	17.0498	0.0265		0.6688	0.6688		0.6161	0.6161		2,546.7865	2,546.7865	0.8154		2,567.1705
Paving	0.7808					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**2.0924**	**13.0767**	**17.0498**	**0.0265**		**0.6688**	**0.6688**		**0.6161**	**0.6161**		**2,546.7865**	**2,546.7865**	**0.8154**		**2,567.1705**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0491	0.0307	0.3700	1.1800e-003	0.1232	8.3000e-004	0.1241	0.0327	7.7000e-004	0.0335		117.6840	117.6840	3.2000e-003		117.7639
Total	**0.0491**	**0.0307**	**0.3700**	**1.1800e-003**	**0.1232**	**8.3000e-004**	**0.1241**	**0.0327**	**7.7000e-004**	**0.0335**		**117.6840**	**117.6840**	**3.2000e-003**		**117.7639**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.4037	8.2260	19.6377	0.0265		0.0425	0.0425		0.0425	0.0425	0.0000	2,546.7865	2,546.7865	0.8154		2,567.1705
Paving	0.7808					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.1845**	**8.2260**	**19.6377**	**0.0265**		**0.0425**	**0.0425**		**0.0425**	**0.0425**	**0.0000**	**2,546.7865**	**2,546.7865**	**0.8154**		**2,567.1705**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0491	0.0307	0.3700	1.1800e-003	0.1232	8.3000e-004	0.1241	0.0327	7.7000e-004	0.0335		117.6840	117.6840	3.2000e-003		117.7639
Total	**0.0491**	**0.0307**	**0.3700**	**1.1800e-003**	**0.1232**	**8.3000e-004**	**0.1241**	**0.0327**	**7.7000e-004**	**0.0335**		**117.6840**	**117.6840**	**3.2000e-003**		**117.7639**

3.4 Architectural Coating - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	9.0383					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2045	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817		281.4481	281.4481	0.0183		281.9062
Total	**9.2428**	**1.4085**	**1.8136**	**2.9700e-003**		**0.0817**	**0.0817**		**0.0817**	**0.0817**		**281.4481**	**281.4481**	**0.0183**		**281.9062**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0164	0.0103	0.1233	3.9000e-004	0.0411	2.8000e-004	0.0414	0.0109	2.6000e-004	0.0112		39.2280	39.2280	1.0700e-003		39.2546
Total	**0.0164**	**0.0103**	**0.1233**	**3.9000e-004**	**0.0411**	**2.8000e-004**	**0.0414**	**0.0109**	**2.6000e-004**	**0.0112**		**39.2280**	**39.2280**	**1.0700e-003**		**39.2546**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	9.0383					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.0545	1.0598	1.8324	2.9700e-003		3.9600e-003	3.9600e-003		3.9600e-003	3.9600e-003	0.0000	281.4481	281.4481	0.0183		281.9062
Total	**9.0927**	**1.0598**	**1.8324**	**2.9700e-003**		**3.9600e-003**	**3.9600e-003**		**3.9600e-003**	**3.9600e-003**	**0.0000**	**281.4481**	**281.4481**	**0.0183**		**281.9062**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0164	0.0103	0.1233	3.9000e-004	0.0411	2.8000e-004	0.0414	0.0109	2.6000e-004	0.0112		39.2280	39.2280	1.0700e-003		39.2546
Total	**0.0164**	**0.0103**	**0.1233**	**3.9000e-004**	**0.0411**	**2.8000e-004**	**0.0414**	**0.0109**	**2.6000e-004**	**0.0112**		**39.2280**	**39.2280**	**1.0700e-003**		**39.2546**

CalEEMod Version: CalEEMod.2016.3.2

Date: 12/21/2017 1:30 PM

PV Valley Road North additional bike lanes

San Diego County, Mitigation Report

Construction Mitigation Summary

Phase	ROG	NOx	CO	SO2	Exhaust PM10	Exhaust PM2.5	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction												
Architectural Coating	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Grading	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Paving	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

OFFROAD Equipment Mitigation

Equipment Type	Fuel Type	Tier	Number Mitigated	Total Number of Equipment	DPF	Oxidation Catalyst
Air Compressors	Diesel	No Change	0	1	No Change	0.00
Excavators	Diesel	No Change	0	2	No Change	0.00
Graders	Diesel	No Change	0	1	No Change	0.00
Pavers	Diesel	No Change	0	2	No Change	0.00
Paving Equipment	Diesel	No Change	0	2	No Change	0.00
Rollers	Diesel	No Change	0	2	No Change	0.00
Rubber Tired Dozers	Diesel	No Change	0	1	No Change	0.00
Tractors/Loaders/Backhoes	Diesel	No Change	0	3	No Change	0.00
Cement and Mortar Mixers	Diesel	No Change	0	1	No Change	0.00

Equipment Type	ROG	NOx	CO	SO2	Exhaust PM10	Exhaust PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	Unmitigated tons/yr						Unmitigated mt/yr					
Air Compressors	2.00000E-004	1.41000E-003	1.81000E-003	0.00000E+000	8.00000E-005	8.00000E-005	0.00000E+000	2.55330E-001	2.55330E-001	2.00000E-005	0.00000E+000	2.55740E-001
Cement and Mortar Mixers	1.10000E-004	6.90000E-004	5.80000E-004	0.00000E+000	3.00000E-005	3.00000E-005	0.00000E+000	8.59300E-002	8.59300E-002	1.00000E-005	0.00000E+000	8.61500E-002
Excavators	4.00000E-004	3.55000E-003	6.51000E-003	1.00000E-005	1.70000E-004	1.60000E-004	0.00000E+000	9.07210E-001	9.07210E-001	2.90000E-004	0.00000E+000	9.14550E-001
Graders	4.10000E-004	5.26000E-003	1.72000E-003	1.00000E-005	1.70000E-004	1.50000E-004	0.00000E+000	5.81760E-001	5.81760E-001	1.90000E-004	0.00000E+000	5.86460E-001
Pavers	1.03000E-003	1.04900E-002	1.44200E-002	2.00000E-005	5.00000E-004	4.60000E-004	0.00000E+000	2.06502E+000	2.06502E+000	6.70000E-004	0.00000E+000	2.08171E+000
Paving Equipment	8.90000E-004	8.69000E-003	1.27300E-002	2.00000E-005	4.20000E-004	3.90000E-004	0.00000E+000	1.78928E+000	1.78928E+000	5.80000E-004	0.00000E+000	1.80375E+000
Rollers	8.30000E-004	8.63000E-003	9.30000E-003	1.00000E-005	5.00000E-004	4.60000E-004	0.00000E+000	1.15260E+000	1.15260E+000	3.70000E-004	0.00000E+000	1.16191E+000
Rubber Tired Dozers	8.40000E-004	8.79000E-003	3.58000E-003	1.00000E-005	4.20000E-004	3.80000E-004	0.00000E+000	7.50270E-001	7.50270E-001	2.40000E-004	0.00000E+000	7.56340E-001
Tractors/Loaders/Backhoes	7.40000E-004	7.54000E-003	1.00700E-002	1.00000E-005	4.10000E-004	3.70000E-004	0.00000E+000	1.22976E+000	1.22976E+000	4.00000E-004	0.00000E+000	1.23970E+000

Equipment Type	ROG	NOx	CO	SO2	Exhaust PM10	Exhaust PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	Mitigated tons/yr						Mitigated mt/yr					
Air Compressors	2.00000E-004	1.41000E-003	1.81000E-003	0.00000E+000	8.00000E-005	8.00000E-005	0.00000E+000	2.55330E-001	2.55330E-001	2.00000E-005	0.00000E+000	2.55740E-001
Cement and Mortar Mixers	1.10000E-004	6.90000E-004	5.80000E-004	0.00000E+000	3.00000E-005	3.00000E-005	0.00000E+000	8.59300E-002	8.59300E-002	1.00000E-005	0.00000E+000	8.61500E-002
Excavators	4.00000E-004	3.55000E-003	6.51000E-003	1.00000E-005	1.70000E-004	1.60000E-004	0.00000E+000	9.07210E-001	9.07210E-001	2.90000E-004	0.00000E+000	9.14550E-001
Graders	4.10000E-004	5.26000E-003	1.72000E-003	1.00000E-005	1.70000E-004	1.50000E-004	0.00000E+000	5.81760E-001	5.81760E-001	1.90000E-004	0.00000E+000	5.86460E-001
Pavers	1.03000E-003	1.04900E-002	1.44200E-002	2.00000E-005	5.00000E-004	4.60000E-004	0.00000E+000	2.06501E+000	2.06501E+000	6.70000E-004	0.00000E+000	2.08171E+000
Paving Equipment	8.90000E-004	8.69000E-003	1.27300E-002	2.00000E-005	4.20000E-004	3.90000E-004	0.00000E+000	1.78928E+000	1.78928E+000	5.80000E-004	0.00000E+000	1.80374E+000
Rollers	8.30000E-004	8.63000E-003	9.30000E-003	1.00000E-005	5.00000E-004	4.60000E-004	0.00000E+000	1.15259E+000	1.15259E+000	3.70000E-004	0.00000E+000	1.16191E+000
Rubber Tired Dozers	8.40000E-004	8.79000E-003	3.58000E-003	1.00000E-005	4.20000E-004	3.80000E-004	0.00000E+000	7.50270E-001	7.50270E-001	2.40000E-004	0.00000E+000	7.56340E-001
Tractors/Loaders/Backhoes	7.40000E-004	7.54000E-003	1.00700E-002	1.00000E-005	4.10000E-004	3.70000E-004	0.00000E+000	1.22976E+000	1.22976E+000	4.00000E-004	0.00000E+000	1.23970E+000

Equipment Type	ROG	NOx	CO	SO2	Exhaust PM10	Exhaust PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction												
Air Compressors	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000
Cement and Mortar Mixers	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000
Excavators	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000
Graders	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000
Pavers	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	4.84257E-006	4.84257E-006	0.00000E+000	0.00000E+000	0.00000E+000
Paving Equipment	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	5.54401E-006
Rollers	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	8.67604E-006	8.67604E-006	0.00000E+000	0.00000E+000	0.00000E+000
Rubber Tired Dozers	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000
Tractors/Loaders/Backhoes	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000

Fugitive Dust Mitigation

Yes/No	Mitigation Measure	Mitigation Input		Mitigation Input		Mitigation Input	
Yes	Soil Stabilizer for unpaved Roads	PM10 Reduction	30.00	PM2.5 Reduction	30.00		
No	Replace Ground Cover of Area Disturbed	PM10 Reduction	0.00	PM2.5 Reduction	0.00		
Yes	Water Exposed Area	PM10 Reduction	61.00	PM2.5 Reduction	61.00	Frequency (per day)	3.00
No	Unpaved Road Mitigation	Moisture Content %	0.00	Vehicle Speed (mph)	0.00		
No	Clean Paved Road	% PM Reduction	0.00				

		Unmitigated		Mitigated		Percent Reduction	
Phase	Source	PM10	PM2.5	PM10	PM2.5	PM10	PM2.5
Architectural Coating	Fugitive Dust	0.00	0.00	0.00	0.00	0.00	0.00
Architectural Coating	Roads	0.00	0.00	0.00	0.00	0.00	0.00
Grading	Fugitive Dust	0.01	0.00	0.00	0.00	0.61	0.61
Grading	Roads	0.00	0.00	0.00	0.00	0.00	0.00
Paving	Fugitive Dust	0.00	0.00	0.00	0.00	0.00	0.00
Paving	Roads	0.00	0.00	0.00	0.00	0.00	0.00

Operational Percent Reduction Summary

Category	ROG	NOx	CO	SO2	Exhaust PM10	Exhaust PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction												
Architectural Coating	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Consumer Products	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Electricity	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hearth	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Landscaping	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Mobile	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Natural Gas	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Water Indoor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Water Outdoor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Operational Mobile Mitigation

Project Setting:

Mitigation	Category	Measure	% Reduction	Input Value 1	Input Value 2	Input Value 3
No	Land Use	Increase Density	0.00			
No	Land Use	Increase Diversity	0.00	0.15		
No	Land Use	Improve Walkability Design	0.00			
No	Land Use	Improve Destination Accessibility	0.00			
No	Land Use	Increase Transit Accessibility	0.25			
No	Land Use	Integrate Below Market Rate Housing	0.00			
	Land Use	Land Use SubTotal	0.00			
No	Neighborhood Enhancements	Improve Pedestrian Network				
No	Neighborhood Enhancements	Provide Traffic Calming Measures				
No	Neighborhood Enhancements	Implement NEV Network	0.00			
	Neighborhood Enhancements	Neighborhood Enhancements Subtotal	0.00			
No	Parking Policy Pricing	Limit Parking Supply	0.00			
No	Parking Policy Pricing	Unbundle Parking Costs	0.00			
No	Parking Policy Pricing	On-street Market Pricing	0.00			
	Parking Policy Pricing	Parking Policy Pricing Subtotal	0.00			
No	Transit Improvements	Provide BRT System	0.00			
No	Transit Improvements	Expand Transit Network	0.00			
No	Transit Improvements	Increase Transit Frequency	0.00			
	Transit Improvements	Transit Improvements Subtotal	0.00			
		Land Use and Site Enhancement Subtotal	0.00			
No	Commute	Implement Trip Reduction Program				
No	Commute	Transit Subsidy				
No	Commute	Implement Employee Parking "Cash Out"				
No	Commute	Workplace Parking Charge				

No	Commute	Encourage Telecommuting and Alternative Work Schedules	0.00			
No	Commute	Market Commute Trip Reduction Option	0.00			
No	Commute	Employee Vanpool/Shuttle	0.00		2.00	
No	Commute	Provide Ride Sharing Program				
	Commute	Commute Subtotal	0.00			
No	School Trip	Implement School Bus Program	0.00			
		Total VMT Reduction	0.00			

Area Mitigation

Measure Implemented	Mitigation Measure	Input Value
No	Only Natural Gas Hearth	
No	No Hearth	
No	Use Low VOC Cleaning Supplies	
No	Use Low VOC Paint (Residential Interior)	250.00
No	Use Low VOC Paint (Residential Exterior)	250.00
No	Use Low VOC Paint (Non-residential Interior)	250.00
No	Use Low VOC Paint (Non-residential Exterior)	250.00
No	Use Low VOC Paint (Parking)	250.00
No	% Electric Lawnmower	
No	% Electric Leafblower	
No	% Electric Chainsaw	

Energy Mitigation Measures

Measure Implemented	Mitigation Measure	Input Value 1	Input Value 2
No	Exceed Title 24		
No	Install High Efficiency Lighting		
No	On-site Renewable		

Appliance Type	Land Use Subtype	% Improvement
ClothWasher		30.00
DishWasher		15.00
Fan		50.00
Refrigerator		15.00

Water Mitigation Measures

Measure Implemented	Mitigation Measure	Input Value 1	Input Value 2
No	Apply Water Conservation on Strategy		
No	Use Reclaimed Water		
No	Use Grey Water		
No	Install low-flow bathroom faucet	32.00	
No	Install low-flow Kitchen faucet	18.00	
No	Install low-flow Toilet	20.00	
No	Install low-flow Shower	20.00	
No	Turf Reduction		
No	Use Water Efficient Irrigation Systems	6.10	
No	Water Efficient Landscape		

Solid Waste Mitigation

Mitigation Measures	Input Value
Institute Recycling and Composting Services Percent Reduction in Waste Disposed	

CalEEMod Input Matrix
Project Charateristics

Table 1: Project Detail			
Project Characteristic (unit)	**Analyst Input**	**Notes**	**Source**
Project Name	Proctor Valley Road Bike Lanes	Notes	Project Description
Project Location	San Diego County	--	
Wind speed (m/s)	default		
Precipitation Frequency (days)	default		
CEC Climate Forecasting Zone	13	--	CalEEMod Appendix E
Land Use Setting	Urban	based on availability of uses	--
Start of Construction	15-Jun-22	Offsite Schedule	Proctor Valley EIR Assumptions
Operational Year	N/A		

Table 2: Utility Information			
Project Characteristic (unit)	**Analyst Input**	**Notes**	**Source**
Select Utility Company	N/A		
CO2 Intensity Factor (lb./Mwh)			
CH4 Intensity Factor (lb./Mwh)			
N20 Intensity Factor (lb./Mwh)			

CalEEMod Input Matrix
Project Charateristics

Table 3: Pollutants			
Pollutant Selection	**Pollutant Full Name**	**Notes**	**Source**
checked	ROG	--	--
checked	NOx	--	--
checked	CO	--	--
checked	SO2	--	--
checked	PM 10	--	--
checked	PM 2.5	--	--
checked	Fugitive PM 10	--	--
checked	Fugitive PM 2.5	--	--
checked	Biogenic CO2	--	--
checked	Non-biogenic CO2	--	--
checked	CO2	--	--
checked	CH4	--	--
checked	N20	--	--
checked	CO2e	--	--

Table 4 pertains to operational emissions and is therefore omitted

CalEEMod Input Sheet
Construction Phase

Table 5: Construction					
Phase Name	**Phase Type**	**Start Date**	**End Date**	**Days/Week**	**Total Days**
Grading	Grading	15-Jun-22	17-Jun-22	5 days/week	3
Paving	Paving	5-Nov-22	11-Nov-22	5 days/week	5
Arch Coating	Arch Coating	12-Nov-22	15-Nov-22	5 days/week	2

Table 6: Off-Road Equipment					
Phase Name	**Equipment Type**	**Unit Amount**	**Hours/Day**	**Horsepower (hp)**	**Load Factor**
Grading	default				
Paving					
Arch Coating					

CalEEMod Input Sheet
Construction Phase

Table 7: Dust from Material Movement								
Phase Name	**Material Imported**	**Material Exported**	**Size Metric**	**Material Import/Export Phased?**	**Mean Vehicle Speed (mph)**	**Total Acres Graded**	**Material Moisture Content (%) Bulldozing**	**Material Silt Content**
SV Grading	default					23.17	default	
SCV Grading						5.28		
CV Grading						7.24		
NV Grading						12.55		

Table 8: Demolition		
Phase Name	**Size Metric**	**Unit Amount**
default		

Table 9: Construction Trips and VMT									
Phase Name	**# Trips Worker (/day)**	**# Trips Vendor (/day)**	**Total # Trips Hauling**	**Trip Length Worker (miles)**	**Trip Length Worker (miles)**	**Trip Length Hauling (miles)**	**Vehicle Class Worker**	**Vehicle Class Vendor**	**Vehicle Class Hauling**
South Paving	Refer to Construction VMT Worksheet								
South Landscaping									
Central Paving									
Central Landscaping									
North Paving									
North Landscaping									
PA 16/19 Paving									
PA 16/19 Landscaping									

CalEEMod Input Sheet
Construction Phase

Table 10: On-Road Fugitive Dust								
Phase Name	**% Pave Worker**	**% Pave Vendor**	**% Pave Hauling**	**Road Silt Loading (g/m2)**	**Material Silt Content (%)**	**Material Moisture Content (%)**	**Average Vehicle Weight (tons)**	**Mean Vehicle Speed (mph)**
South Paving	default							
South Landscaping								
Central Paving								
Central Landscaping								
North Paving								
North Landscaping								
PA 16/19 Paving								
PA 16/19 Landscaping								

Table 11: Construction Trips and VMT										
Phase Name	**Residential Interior VOC (g/L)**	**Residential Interior Area (sqft)**	**Residential Exterior VOC (g/L)**	**Residential Exterior Area (sqft)**	**Non-Residential Interior VOC (g/L)**	**Non-Residential Interior Area (sqft)**	**Non-Residential Exterior VOC (g/L)**	**Non-Residential Exterior Area (sqft)**	**VOC for Parking Lot Paint (g/L)**	**Parking Area (sqft)**
N/A										

Tables 12 through 31 pertain to operational emissions and are therefore omitted

CalEEMod Input Sheet
Construction Mitigation

Table 32: Off-Road Equipment						
Equipment Type	**Fuel Type**	**Engine Tier**	**Number of Equipments Mitigated**	**Total Number of Off-road Equipments**	**DPF Level**	**Using Oxidation Catalyst (% Reduction)**
All Tier 4 Interim						

Table 33: Fugitive Dust	
Soil Stabilizer for Unpaved Roads	
PM 10 (% Reduction)	30
PM 2.5 (% Reduction)	30
Replace Ground Cover of Area Disturbed	
PM 10 (% Reduction)	--
PM 2.5 (% Reduction)	--
Water Exposed Area	
Frequency (per day)	3
PM 10 (% Reduction)	default
PM 2.5 (% Reduction)	
Unpaved Road Mitigation	
Moisture Content (%)	--
Vehicle Speed (mph)	15
Clean Paved Road	
% PM Reduction	--

CalEEMod
Construction – Vendor Truck and Worker Vehicle Trip Estimates for Building Construction Phases

South Residential

Vendor and Worker Trip Calculator

For Multiple CalEEMod Building Construction Phases

Land Use	Rate Metric	Worker Trip Rate	Vendor Trip Rate
Residential Single Family	Daily trips per DU	0.36	0.1069
Residential Multi-Family	Daily trips per DU	0.72	0.1069
Commercial/Retail	1,000 SF	0.32	0.1639
Office/Industrial	1,000 SF	0.42	0.1639

Equipment	1.25

Single Family Residential	Phase	Dwelling Units	Workers Trips Estimated	Worker Trips Rounded	Worker Trips Assumed (Even)	Vendor Truck Trips Estimated	Vendor Truck Trips Rounded	Vendor Truck Trips Assumed (Even)
South	1	80	28.80	29	**30**	8.55	9	**10**
	2	56	20.16	20	**20**	5.99	6	**6**
	3	56	20.16	20	**20**	5.99	6	**6**
	4	56	20.16	20	**20**	5.99	6	**6**
	5	56	20.16	20	**20**	5.99	6	**6**
	6	35	12.60	13	**14**	3.74	4	**4**
	7	13	4.68	5	**6**	1.39	1	**2**
Total				*127*	**130**		*38*	**40**

Phase	Pieces of Equipment	Workers Trips Estimated	Worker Trips Rounded	Worker Trips Assumed (Even)
Site Preparation	8	10.00	10	**10**
Grading	8	10.00	10	**10**
Utilities and Slope Landscaping	2	2.50	3	**4**
Paving (all)	6	7.50	8	**8**

South Residential

Single Family Residential	Phase	*Architectural Coating Workers (20%)*	*Architectural Coating Worker Trips Rounded*	*Architectural Coating Worker Trips Assumed (Even)*
South	1	5.76	6	**6**
	2	4.032	4	**4**
	3	4.032	4	**4**
	4	4.032	4	**4**
	5	4.032	4	**4**
	6	2.52	3	**4**
	7	0.936	1	**2**
		0	*26*	**28**

South Non-Residential

Vendor and Worker Trip Calculator

For Multiple CalEEMod Building Construction Phases

Land Use	Rate Metric	Worker Trip Rate	Vendor Trip Rate
Residential Single Family	Daily trips per DU	0.36	0.1069
Residential Multi-Family	Daily trips per DU	0.72	0.1069
Commercial/Retail	Daily Trips per 1,000 SF	0.32	0.1639
Office/Industrial	Daily Trips per 1,000 SF	0.42	0.1639

Equipment	1.25

Phase	Pieces of Equipment	Workers Trips Estimated	Worker Trips Rounded	Worker Trips Assumed (Even)
Site Preparation - Swimming Pool	2	2.50	3	4
Grading - Swimming Pool	4	5.00	5	6
Building Construction - Swimming Pool	4	5.00	5	6
Paving - Swimming Pool	7	8.75	9	10
Architectural Coating - Swimming Pool	N/A	1.00	1	2
Site Preparation - Park	3	3.75	4	4
Landscaping	2	2.50	3	4
Grading - Park	4	5.00	5	6
Building Construction - Park	3	3.75	4	4
Paving - Park	7	8.75	9	10
Architectural Coating - Park	N/A	0.75	1	2
Note: Arch Coating is based off 20% of building construction, not equipment				

Central Residential

Vendor and Worker Trip Calculator

For Multiple CalEEMod Building Construction Phases

Land Use	Rate Metric	Worker Trip Rate	Vendor Trip Rate
Residential Single Family	DU	0.36	0.1069
Residential Multi-Family	DU	0.72	0.1069
Commercial/Retail	Daily Trips per 1,000 SF	0.32	0.1639
Office/Industrial	Daily Trips per 1,000 SF	0.42	0.1639

Equipment	1.25

Single Family Residential	Phase	Dwelling Units	Workers Trips Estimated	Worker Trips Rounded	Worker Trips Assumed (Even)	Vendor Truck Trips Estimated	Vendor Truck Trips Rounded	Vendor Truck Trips Assumed (Even)
Central Village	1	46	16.56	17	**18**	4.92	5	**6**
	2	45	16.20	16	**16**	4.81	5	**6**
	3	56	20.16	20	**20**	5.99	6	**6**
	4	41	14.76	15	**16**	4.38	4	**4**
	5	80	28.80	29	**30**	8.55	9	**10**
	6	75	27.00	27	**28**	8.02	8	**8**
	7	24	8.64	9	**10**	2.57	3	**4**
	8	24	8.64	9	**10**	2.57	3	**4**
	9	24	8.64	9	**10**	2.57	3	**4**
	10	20	7.20	7	**8**	2.14	2	**2**
	11 (School)	97	34.92	35	**36**	10.37	10	**10**
Total				*193*	**202**		*58*	**64**

Central Residential

Phase	Pieces of Equipment	Workers Trips Estimated	Worker Trips Rounded	Worker Trips Assumed (Even)
Site Preparation	5	6.25	6	**6**
Grading	8	10.00	10	**10**
Paving (all)	6	7.50	8	**8**
Utilities	2	2.50	3	**4**
Slope Landscaping	3	3.75	4	**4**

Central Residential

Single Family Residential	Phase	*Architectural Coating Workers (20%)*	*Architectural Coating Worker Trips Rounded*	Architectural Coating Worker Trips Assumed (Even)
Central Village	1	3.312	3	**4**
	2	3.24	3	**4**
	3	4.032	4	**4**
	4	2.952	3	**4**
	5	5.76	6	**6**
	6	5.4	5	**6**
	7	1.728	2	**2**
	8	1.728	2	**2**
	9	1.728	2	**2**
	10	1.44	1	**2**
	11 (School)	6.984	7	**8**
		0	*38*	**44**

Central Non-Residential

Vendor and Worker Trip Calculator

For Multiple CalEEMod Building Construction Phases

Land Use	Rate Metric	Worker Trip Rate	Vendor Trip Rate
Residential Single Family	Daily trips per DU	0.36	0.1069
Residential Multi-Family	Daily trips per DU	0.72	0.1069
Commercial/Retail	Daily Trips per 1,000 SF	0.32	0.1639
Office/Industrial	Daily Trips per 1,000 SF	0.42	0.1639

Equipment	1.25

Phase	Pieces of Equipment	Workers Trips Estimated	Worker Trips Rounded	Worker Trips Assumed (Even)
Site Preparation - City Park (P1 Village Green)	6	7.50	8	**8**
Grading- City Park (P1 Village Green)	7	8.75	9	**10**
Landscaping - City Park (P1 Village Green)	2	2.50	3	**4**
Site Preparation - City Park (P2 Village Green)	2	2.50	3	**4**
Grading -City Park (P2 Village Green)	4	5.00	5	**6**
Building Construction -City Park (P2 Village Green)	3	3.75	4	**4**
Paving - City Park (P2 Village Green)	7	8.75	9	**10**
Architectural Coating -City Park (P2 Village Green)	N/A	0.75	1	**2**
Site Preparation - City Park (P3 Scenic)	2	2.50	3	**4**
Grading - City Park (P3 Scenic)	4	5.00	5	**6**
Building Construction - City Park (P3 Scenic)	3	3.75	4	**4**
Paving - City Park (P3 Scenic)	7	8.75	9	**10**
Architectural Coating - City Park (P3 Scenic)	N/A	0.75	1	**2**
Site Preparation - City Park (P4 Scenic)	7	8.75	9	**10**
Grading - City Park (P4 Scenic)	7	8.75	9	**10**
Landscaping - City Park (P4 Scenic)	2	2.50	3	**4**
Site Preparation - User Defined (Fire Station)	3	3.75	4	**4**
Grading - User Defined (Fire Station)	4	5.00	5	**6**
Building Construction - User Defined (Fire Station)	8	10.00	10	**10**
Paving - User Defined (Fire Station)	6	7.50	8	**8**
Architectural Coating - User Defined (Fire Station)	N/A	2.00	2	**2**
Landscaping - User Defined (Fire Station)	2	2.50	3	**4**

Central Non-Residential

Site Preparation - User Defined (Retail Commercial Mix)	3	3.75	4	**4**
Grading - User Defined (Retail Commercial Mix)	3	3.75	4	**4**
Building Construction - User Defined (Retail Commercial Mix)	7	8.75	9	**10**
Paving - User Defined (Retail Commercial Mix)	5	6.25	6	**6**
Architectural Coating - User Defined (Retail Commercial Mix)	N/A	1.75	2	**2**
Site Preparation - Recreational Swimming Pool	3	3.75	4	**4**
Grading- Recreational Swimming Pool	3	3.75	4	**4**
Building Construction- Recreational Swimming Pool	7	8.75	9	**10**
Architectural Coating - Recreational Swimming Pool	1	1.75	2	**2**
Landscaping- Recreational Swimming Pool	2	2.50	3	**4**
Site Preparation - City Park (Private Park Central)	7	8.75	9	**10**
Grading - City Park (Private Park Central)	6	7.50	8	**8**
Landscaping - City Park (Private Park Central)	2	2.50	3	**4**
Note: Arch Coating is based off 20% of building construction, not equipment				

North Residential

Vendor and Worker Trip Calculator

For Multiple CalEEMod Building Construction Phases

Land Use	Rate Metric	Worker Trip Rate	Vendor Trip Rate
Residential Single Family	Daily trips per DU	0.36	0.1069
Residential Multi-Family	Daily trips per DU	0.72	0.1069
Commercial/Retail	Daily Trips per 1,000 SF	0.32	0.1639
Office/Industrial	Daily Trips per 1,000 SF	0.42	0.1639

Equipment	1.25

Single Family Residential	Phase	Dwelling Units	DUs	Workers Trips Estimated	Worker Trips Rounded	Worker Trips Assumed (Even)	Vendor Truck Trips Estimated	Vendor Truck Trips Rounded	Vendor Truck Trips Assumed (Even)
North	1	18	18	6.48	6	**6**	1.92	2	**2**
	2	15	15	5.40	5	**6**	1.60	2	**2**
	3	20	20	7.20	7	**8**	2.14	2	**2**
	4	20	20	7.20	7	**8**	2.14	2	**2**
	5	21	21	7.56	8	**8**	2.24	2	**2**
	6	8	8	2.88	3	**4**	0.86	1	**2**
	7	8	8	2.88	3	**4**	0.86	1	**2**
Total				**39.60**	*39*	**44**		*12*	**14**

Construction Phase	Pieces of Equipment	Workers Trips Estimated	Worker Trips Rounded	Worker Trips Assumed (Even)
Site Preparation	5	6.25	6	**6**
Grading	8	10.00	10	**10**
Utilities	2	2.50	3	**4**
Internal Open Space Landscaping	2	2.50	3	**4**
Paving (all)	3	3.75	4	**4**

North Residential

Single Family Residential	Phase	*Architectural Coating Workers (20%)*	*Architectural Coating Worker Trips Rounded*	*Architectural Coating Worker Trips Assumed (Even)*
North	1	1.296	1	2
	2	1.08	1	2
	3	1.44	1	2
	4	1.44	1	2
	5	1.512	2	2
	6	0.576	1	2
	7	0.576	1	2
		7.9	*8*	**14**

Vendor and Worker Trip Calculator

For Multiple CalEEMod Building Construction Phases

Land Use	Rate Metric	Worker Trip Rate	Vendor Trip Rate
Residential Single Family	Daily trips per DU	0.36	0.1069
Residential Multi-Family	Daily trips per DU	0.72	0.1069
Commercial/Retail	Daily Trips per 1,000 SF	0.32	0.1639
Office/Industrial	Daily Trips per 1,000 SF	0.42	0.1639

Equipment	1.25

Phase	Pieces of Equipment	Workers Trips Estimated	Worker Trips Rounded	Worker Trips Assumed (Even)
Architectural Coating - Swimming Pool	2	2.50	3	**4**
Building Construction - Swimming Pool	5	6.25	6	**6**
Grading - Park	4	5.00	5	**6**
Grading - Swimming Pool	4	5.00	5	**6**
Landscaping	2	2.50	3	**4**
Site Preparation - Park	3	3.75	4	**4**
Site Preparation - Swimming Pool	2	2.50	3	**4**
Note: Arch Coating is based off 20% of building construction, not equipment				

Planning Areas 16/19 Residential

Vendor and Worker Trip Calculator

For Multiple CalEEMod Building Construction Phases

Land Use	Rate Metric	Worker Trip Rate	Vendor Trip Rate
Residential Single Family	Daily trips per DU	0.36	0.1069
Residential Multi-Family	Daily trips per DU	0.72	0.1069
Commercial/Retail	Daily Trips per 1,000 SF	0.32	0.1639
Office/Industrial	Daily Trips per 1,000 SF	0.42	0.1639

Equipment	1.25

Single Family Residential	Phase	Dwelling Units	Workers Trips Estimated	Worker Trips Rounded	Worker Trips Assumed (Even)	Vendor Truck Trips Estimated	Vendor Truck Trips Rounded	Vendor Truck Trips Assumed (Even)
P16-19	1	13	4.68	5	**6**	1.39	1	**2**
	2	9	3.24	3	**4**	0.96	1	**2**
	3	9	3.24	3	**4**	0.96	1	**2**
	4	22	7.92	8	**8**	2.35	2	**2**
	5	22	7.92	8	**8**	2.35	2	**2**
	6	9	3.24	3	**4**	0.96	1	**2**
	7	9	3.24	3	**4**	0.96	1	**2**
	8	22	7.92	8	**8**	2.35	2	**2**
	9	10	3.60	4	**4**	1.07	1	**2**
Total				*45*	**50**		*12*	**18**

Phase	Pieces of Equipment	Workers Trips Estimated	Worker Trips Rounded	Worker Trips Assumed (Even)
Site Preparation (all)	5	6.25	6	**6**
Paving (all)	3	3.75	4	**4**

Planning Areas 16/19 Residential

Single Family Residential	Phase	*Architectural Coating Workers (20%)*	*Architectural Coating Worker Trips Rounded*	*Architectural Coating Worker Trips Assumed (Even)*
P16-19	1	0.936	1	2
	2	0.648	1	2
	3	0.648	1	2
	4	1.584	2	2
	5	1.584	2	2
	6	0.648	1	2
	7	0.648	1	2
	8	1.584	2	2
	9	0.72	1	2
		0	*12*	**18**

Off Site Grading

Vendor and Worker Trip Calculator

For Multiple CalEEMod Building Construction Phases

Land Use	Rate Metric	Worker Trip Rate	Vendor Trip Rate
Residential Single Family	Daily trips per DU	0.36	0.1069
Residential Multi-Family	Daily trips per DU	0.72	0.1069
Commercial/Retail	Daily Trips per 1,000 SF	0.32	0.1639
Office/Industrial	Daily Trips per 1,000 SF	0.42	0.1639

Equipment	1.25

Phase	Pieces of Equipment	Workers Trips Estimated	Worker Trips Rounded	Worker Trips Assumed (Even)
SV Site Prep	7	8.75	9	10
SV Grading	8	10.00	10	10
SV Utilities	7	8.75	9	10
SV Paving	6	7.50	8	8
SV Landscaping	2	2.50	3	4
SCV Site Prep	7	8.75	9	10
SCV Grading	6	7.50	8	8
SCV Utilities	7	8.75	9	10
SCV Paving	6	7.50	8	8
SCV Landscaping	2	2.50	3	4
CV Site Prep	7	8.75	9	10
CV Utilities	7	8.75	9	10
CV Grading	6	7.50	8	8
CV Paving	6	7.50	8	8
CV Landscaping	2	2.50	3	4
NV Grading	8	10.00	10	10
NV Utilities	7	8.75	9	10
NV Paving	6	7.50	8	8
NV Landscaping	2	2.50	3	4

Proctor Valley Road

Vendor and Worker Trip Calculator

For Multiple CalEEMod Building Construction Phases

Land Use	Rate Metric	Worker Trip Rate	Vendor Trip Rate
Residential Single Family	Daily trips per DU	0.36	0.1069
Residential Multi-Family	Daily trips per DU	0.72	0.1069
Commercial/Retail	Daily Trips per 1,000 SF	0.32	0.1639
Office/Industrial	Daily Trips per 1,000 SF	0.42	0.1639

Equipment	1.25

Phase	Pieces of Equipment	Workers Trips Estimated	Worker Trips Rounded	Worker Trips Assumed (Even)
South Paving	6	7.50	8	8
South Landscaping	2	2.50	3	4
Central Paving	6	7.50	8	8
Central Landscaping	2	2.50	3	4
North Paving	6	7.50	8	8
North Landscaping	2	2.50	3	4
PA 16/19 Paving	6	7.50	8	8
PA 16/19 Landscaping	2	2.50	3	4

CalEEMod Output Files
Operational

CalEEMod Version: CalEEMod.2016.3.1 Date: 12/18/2017 3:45 PM

Proctor Valley EIR Operational - San Diego County, Winter

Proctor Valley EIR Operational

San Diego County, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Industrial Park	8.50	1000sqft	2.10	8,500.00	0
Parking Lot	629.00	1000sqft	14.44	629,496.00	0
City Park	13.90	Acre	13.90	1,260.00	0
Recreational Swimming Pool	4.00	1000sqft	3.70	4,000.00	0
Single Family Housing	994.00	Dwelling Unit	361.10	2,898,410.00	2762
User Defined Residential	125.00	Dwelling Unit	368.00	591,125.00	344
Regional Shopping Center	10.00	1000sqft	1.50	10,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.6	**Precipitation Freq (Days)**	40
Climate Zone	13			**Operational Year**	2028
Utility Company	San Diego Gas & Electric				
CO2 Intensity (lb/MWhr)	427.49	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - Refer to CalEEMod Input Matrix Table 2

Land Use - Refer to CalEEMod Input Matrix Table 4

Off-road Equipment - Operational Emissions Modeled Separately

Trips and VMT - Operational Run

Vehicle Trips - Chen Ryan 2017

Woodstoves - Refer to CalEEMod Input Matrix Table 17

Area Coating - Refer to CalEEMod Input Matrix Table 19

Energy Use - Refer to CalEEMod Input Matrix Table 21

Water And Wastewater - Refer to CalEEMod Input Matrix Table 22

Solid Waste - Solid waste generation rate based on total project-wide disposal rate of 3.6 tons per day

Area Mitigation - Refer to CalEEMod Input Matrix Table 19

Table Name	Column Name	Default Value	New Value
tblAreaCoating	Area_EF_Nonresidential_Exterior	250	150
tblAreaCoating	Area_EF_Nonresidential_Interior	250	150
tblAreaCoating	Area_EF_Residential_Exterior	250	150
tblAreaCoating	Area_EF_Residential_Interior	250	150
tblConstructionPhase	NumDays	12,400.00	1.00
tblEnergyUse	LightingElect	3.91	3.34
tblEnergyUse	LightingElect	0.88	0.75
tblEnergyUse	LightingElect	6.39	5.46
tblEnergyUse	LightingElect	1,608.84	993.00
tblEnergyUse	LightingElect	0.00	0.21
tblEnergyUse	NT24E	6,680.41	3,442.00
tblEnergyUse	NT24E	0.00	0.73
tblEnergyUse	NT24NG	4,180.00	4,500.00
tblEnergyUse	NT24NG	0.00	0.95
tblEnergyUse	T24E	4.88	4.17
tblEnergyUse	T24E	3.34	2.86
tblEnergyUse	T24E	374.93	971.00
tblEnergyUse	T24E	0.00	0.21
tblEnergyUse	T24NG	16.07	13.74
tblEnergyUse	T24NG	1.15	0.98
tblEnergyUse	T24NG	24,312.55	22,000.00
tblEnergyUse	T24NG	0.00	4.65
tblFireplaces	NumberGas	546.70	0.00
tblFireplaces	NumberGas	68.75	0.00
tblFireplaces	NumberNoFireplace	99.40	0.00
tblFireplaces	NumberNoFireplace	12.50	0.00
tblFireplaces	NumberWood	347.90	0.00
tblFireplaces	NumberWood	43.75	0.00

tblFleetMix	FleetMixLandUseSubType	Industrial Park	City Park
tblFleetMix	FleetMixLandUseSubType	Parking Lot	Industrial Park
tblFleetMix	FleetMixLandUseSubType	City Park	Parking Lot
tblFleetMix	FleetMixLandUseSubType	Single Family Housing	Regional Shopping Center
tblFleetMix	FleetMixLandUseSubType	User Defined Residential	Single Family Housing
tblFleetMix	FleetMixLandUseSubType	Regional Shopping Center	User Defined Residential
tblLandUse	BuildingSpaceSquareFeet	629,000.00	629,496.00
tblLandUse	BuildingSpaceSquareFeet	0.00	1,260.00
tblLandUse	BuildingSpaceSquareFeet	0.00	4,000.00
tblLandUse	BuildingSpaceSquareFeet	1,789,200.00	2,898,410.00
tblLandUse	BuildingSpaceSquareFeet	0.00	591,125.00
tblLandUse	GreenSpaceSquareFeet	605,484.00	0.00
tblLandUse	LandUseSquareFeet	629,000.00	629,496.00
tblLandUse	LandUseSquareFeet	605,484.00	1,260.00
tblLandUse	LandUseSquareFeet	1,789,200.00	2,898,410.00
tblLandUse	LandUseSquareFeet	0.00	591,125.00
tblLandUse	LotAcreage	0.20	2.10
tblLandUse	LotAcreage	0.09	3.70
tblLandUse	LotAcreage	322.73	361.10
tblLandUse	LotAcreage	0.00	368.00
tblLandUse	LotAcreage	0.23	1.50
tblLandUse	Population	2,843.00	2,762.00
tblLandUse	Population	358.00	344.00
tblLandUse	RecSwimmingAreaSquareFeet	4,000.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblOffRoadEquipment	UsageHours	7.00	0.00
tblProjectCharacteristics	CO2IntensityFactor	720.49	427.49
tblProjectCharacteristics	OperationalYear	2018	2028
tblSolidWaste	SolidWasteGenerationRate	1.20	0.00

tblSolidWaste	SolidWasteGenerationRate	10.54	0.00
tblSolidWaste	SolidWasteGenerationRate	22.80	0.00
tblSolidWaste	SolidWasteGenerationRate	10.50	0.00
tblSolidWaste	SolidWasteGenerationRate	1,132.42	1,314.00
tblTripsAndVMT	HaulingTripLength	20.00	0.00
tblTripsAndVMT	VendorTripLength	7.30	0.00
tblTripsAndVMT	VendorTripNumber	227.00	0.00
tblTripsAndVMT	WorkerTripLength	10.80	0.00
tblTripsAndVMT	WorkerTripNumber	721.00	0.00
tblVehicleTrips	CC_TL	7.30	8.40
tblVehicleTrips	CC_TL	7.30	8.40
tblVehicleTrips	CC_TL	7.30	8.40
tblVehicleTrips	CC_TL	7.30	8.40
tblVehicleTrips	CC_TL	7.30	8.40
tblVehicleTrips	CC_TTP	48.00	100.00
tblVehicleTrips	CC_TTP	28.00	100.00
tblVehicleTrips	CC_TTP	0.00	100.00
tblVehicleTrips	CC_TTP	48.00	100.00
tblVehicleTrips	CC_TTP	64.70	100.00
tblVehicleTrips	CC_TTP	0.00	100.00
tblVehicleTrips	CC_TTP	0.00	100.00
tblVehicleTrips	CNW_TL	7.30	8.40
tblVehicleTrips	CNW_TL	7.30	8.40
tblVehicleTrips	CNW_TL	7.30	8.40
tblVehicleTrips	CNW_TL	7.30	8.40
tblVehicleTrips	CNW_TL	7.30	8.40
tblVehicleTrips	CNW_TTP	19.00	0.00
tblVehicleTrips	CNW_TTP	13.00	0.00
tblVehicleTrips	CNW_TTP	19.00	0.00

tblVehicleTrips	CNW_TTP	19.00	0.00
tblVehicleTrips	CW_TL	9.50	8.40
tblVehicleTrips	CW_TL	9.50	8.40
tblVehicleTrips	CW_TL	9.50	8.40
tblVehicleTrips	CW_TL	9.50	8.40
tblVehicleTrips	CW_TL	9.50	8.40
tblVehicleTrips	CW_TTP	33.00	0.00
tblVehicleTrips	CW_TTP	59.00	0.00
tblVehicleTrips	CW_TTP	33.00	0.00
tblVehicleTrips	CW_TTP	16.30	0.00
tblVehicleTrips	DV_TP	28.00	0.00
tblVehicleTrips	DV_TP	19.00	0.00
tblVehicleTrips	DV_TP	39.00	0.00
tblVehicleTrips	DV_TP	35.00	0.00
tblVehicleTrips	DV_TP	11.00	0.00
tblVehicleTrips	HO_TL	7.50	8.40
tblVehicleTrips	HO_TL	7.50	8.40
tblVehicleTrips	HO_TTP	39.60	0.00
tblVehicleTrips	HO_TTP	39.60	0.00
tblVehicleTrips	HS_TL	7.30	8.40
tblVehicleTrips	HS_TL	7.30	8.40
tblVehicleTrips	HS_TTP	18.80	0.00
tblVehicleTrips	HS_TTP	18.80	0.00
tblVehicleTrips	HW_TL	10.80	8.40
tblVehicleTrips	HW_TL	10.80	8.40
tblVehicleTrips	HW_TTP	0.00	100.00
tblVehicleTrips	HW_TTP	0.00	100.00
tblVehicleTrips	HW_TTP	0.00	100.00
tblVehicleTrips	HW_TTP	0.00	100.00

tblVehicleTrips	HW_TTP	0.00	100.00
tblVehicleTrips	HW_TTP	41.60	100.00
tblVehicleTrips	HW_TTP	41.60	100.00
tblVehicleTrips	PB_TP	6.00	0.00
tblVehicleTrips	PB_TP	2.00	0.00
tblVehicleTrips	PB_TP	9.00	0.00
tblVehicleTrips	PB_TP	11.00	0.00
tblVehicleTrips	PB_TP	3.00	0.00
tblVehicleTrips	PR_TP	66.00	100.00
tblVehicleTrips	PR_TP	79.00	100.00
tblVehicleTrips	PR_TP	0.00	100.00
tblVehicleTrips	PR_TP	52.00	100.00
tblVehicleTrips	PR_TP	54.00	100.00
tblVehicleTrips	PR_TP	86.00	100.00
tblVehicleTrips	PR_TP	0.00	100.00
tblVehicleTrips	ST_TR	22.75	60.19
tblVehicleTrips	ST_TR	2.49	0.73
tblVehicleTrips	ST_TR	9.10	8.88
tblVehicleTrips	ST_TR	49.97	128.73
tblVehicleTrips	ST_TR	9.91	10.41
tblVehicleTrips	ST_TR	0.00	12.49
tblVehicleTrips	SU_TR	16.74	44.29
tblVehicleTrips	SU_TR	0.73	0.22
tblVehicleTrips	SU_TR	13.60	13.27
tblVehicleTrips	SU_TR	25.24	65.02
tblVehicleTrips	SU_TR	8.62	9.05
tblVehicleTrips	SU_TR	0.00	10.87
tblVehicleTrips	WD_TR	1.89	5.00
tblVehicleTrips	WD_TR	6.83	1.88

tblVehicleTrips	WD_TR	33.82	33.00
tblVehicleTrips	WD_TR	42.70	110.00
tblVehicleTrips	WD_TR	9.52	10.00
tblVehicleTrips	WD_TR	0.00	12.00
tblWater	IndoorWaterUseRate	1,965,625.00	749,162.50
tblWater	IndoorWaterUseRate	236,572.58	0.00
tblWater	IndoorWaterUseRate	740,725.21	553,887.50
tblWater	IndoorWaterUseRate	64,763,101.47	165,520,955.00
tblWater	OutdoorWaterUseRate	16,561,590.76	18,327,380.00
tblWater	OutdoorWaterUseRate	0.00	749,162.50
tblWater	OutdoorWaterUseRate	144,996.10	0.00
tblWater	OutdoorWaterUseRate	453,992.87	553,887.50
tblWater	OutdoorWaterUseRate	40,828,911.79	165,520,955.00
tblWoodstoves	NumberCatalytic	49.70	0.00
tblWoodstoves	NumberCatalytic	6.25	0.00
tblWoodstoves	NumberNoncatalytic	49.70	0.00
tblWoodstoves	NumberNoncatalytic	6.25	0.00
tblWoodstoves	WoodstoveDayYear	82.00	0.00
tblWoodstoves	WoodstoveDayYear	82.00	0.00
tblWoodstoves	WoodstoveWoodMass	3,019.20	0.00
tblWoodstoves	WoodstoveWoodMass	3,019.20	0.00

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2019	1.7500	14.9432	11.1193	0.0188	0.0000	0.8803	0.8803	0.0000	0.8359	0.8359	0.0000	1,784.2828	1,784.2828	0.3759	0.0000	1,793.6806
Maximum	**1.7500**	**14.9432**	**11.1193**	**0.0188**	**0.0000**	**0.8803**	**0.8803**	**0.0000**	**0.8359**	**0.8359**	**0.0000**	**1,784.2828**	**1,784.2828**	**0.3759**	**0.0000**	**1,793.6806**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2019	1.7500	14.9432	11.1193	0.0188	0.0000	0.8803	0.8803	0.0000	0.8359	0.8359	0.0000	1,784.2828	1,784.2828	0.3759	0.0000	1,793.6806
Maximum	**1.7500**	**14.9432**	**11.1193**	**0.0188**	**0.0000**	**0.8803**	**0.8803**	**0.0000**	**0.8359**	**0.8359**	**0.0000**	**1,784.2828**	**1,784.2828**	**0.3759**	**0.0000**	**1,793.6806**

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

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	96.3398	1.0630	92.2992	4.8800e-003		0.5120	0.5120		0.5120	0.5120	0.0000	166.3757	166.3757	0.1596	0.0000	170.3647
Energy	0.8812	7.5864	3.6160	0.0481		0.6088	0.6088		0.6088	0.6088		9,613.0508	9,613.0508	0.1843	0.1762	9,670.1763
Mobile	26.6356	106.2864	254.1327	0.8725	91.8931	0.6655	92.5585	24.5508	0.6179	25.1687		89,366.9665	89,366.9665	4.8546		89,488.3317
Total	**123.8567**	**114.9358**	**350.0479**	**0.9254**	**91.8931**	**1.7863**	**93.6793**	**24.5508**	**1.7388**	**26.2896**	**0.0000**	**99,146.3929**	**99,146.3929**	**5.1984**	**0.1762**	**99,328.8727**

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	96.3398	1.0630	92.2992	4.8800e-003		0.5120	0.5120		0.5120	0.5120	0.0000	166.3757	166.3757	0.1596	0.0000	170.3647
Energy	0.8812	7.5864	3.6160	0.0481		0.6088	0.6088		0.6088	0.6088		9,613.0508	9,613.0508	0.1843	0.1762	9,670.1763
Mobile	26.6356	106.2864	254.1327	0.8725	91.8931	0.6655	92.5585	24.5508	0.6179	25.1687		89,366.9665	89,366.9665	4.8546		89,488.3317
Total	**123.8567**	**114.9358**	**350.0479**	**0.9254**	**91.8931**	**1.7863**	**93.6793**	**24.5508**	**1.7388**	**26.2896**	**0.0000**	**99,146.3929**	**99,146.3929**	**5.1984**	**0.1762**	**99,328.8727**

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

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Building Construction	Building Construction	7/1/2019	7/1/2019	5	1	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 14.44

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

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	1	0.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Building Construction	7	0.00	0.00	0.00	0.00	0.00	0.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3.2 Building Construction - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.7500	14.9432	11.1193	0.0188		0.8803	0.8803		0.8359	0.8359		1,784.2828	1,784.2828	0.3759		1,793.6806
Total	**1.7500**	**14.9432**	**11.1193**	**0.0188**		**0.8803**	**0.8803**		**0.8359**	**0.8359**		**1,784.2828**	**1,784.2828**	**0.3759**		**1,793.6806**

Unmitigated Construction Off-Site

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

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.7500	14.9432	11.1193	0.0188		0.8803	0.8803		0.8359	0.8359	0.0000	1,784.2828	1,784.2828	0.3759		1,793.6806
Total	**1.7500**	**14.9432**	**11.1193**	**0.0188**		**0.8803**	**0.8803**		**0.8359**	**0.8359**	**0.0000**	**1,784.2828**	**1,784.2828**	**0.3759**		**1,793.6806**

Mitigated Construction Off-Site

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

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	26.6356	106.2864	254.1327	0.8725	91.8931	0.6655	92.5585	24.5508	0.6179	25.1687		89,366.9665	89,366.9665	4.8546		89,488.3317
Unmitigated	26.6356	106.2864	254.1327	0.8725	91.8931	0.6655	92.5585	24.5508	0.6179	25.1687		89,366.9665	89,366.9665	4.8546		89,488.3317

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
City Park	139.00	1,673.28	1231.26	786,140	786,140
Industrial Park	31.96	12.41	3.74	38,427	38,427
Parking Lot	0.00	0.00	0.00		
Recreational Swimming Pool	264.00	71.04	106.16	326,988	326,988
Regional Shopping Center	2,200.00	2,574.60	1300.40	3,248,700	3,248,700
Single Family Housing	19,880.00	20,695.08	17991.40	30,158,087	30,158,087
User Defined Residential	3,000.00	3,122.50	2717.50	4,551,456	4,551,456
Total	25,514.96	28,148.91	23,350.46	39,109,800	39,109,800

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
City Park	8.40	8.40	8.40	0.00	100.00	0.00	100	0	0
Industrial Park	8.40	8.40	8.40	0.00	100.00	0.00	100	0	0
Parking Lot	8.40	8.40	8.40	0.00	100.00	0.00	100	0	0
Recreational Swimming Pool	8.40	8.40	8.40	0.00	100.00	0.00	100	0	0
Regional Shopping Center	8.40	8.40	8.40	0.00	100.00	0.00	100	0	0
Single Family Housing	8.40	8.40	8.40	100.00	0.00	0.00	100	0	0
User Defined Residential	8.40	8.40	8.40	100.00	0.00	0.00	100	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
City Park	0.614571	0.037691	0.177673	0.098627	0.012633	0.005296	0.017422	0.025155	0.001929	0.001711	0.005676	0.000778	0.000837
Industrial Park	0.614571	0.037691	0.177673	0.098627	0.012633	0.005296	0.017422	0.025155	0.001929	0.001711	0.005676	0.000778	0.000837
Parking Lot	0.614571	0.037691	0.177673	0.098627	0.012633	0.005296	0.017422	0.025155	0.001929	0.001711	0.005676	0.000778	0.000837
Recreational Swimming Pool	0.614571	0.037691	0.177673	0.098627	0.012633	0.005296	0.017422	0.025155	0.001929	0.001711	0.005676	0.000778	0.000837
Regional Shopping Center	0.614571	0.037691	0.177673	0.098627	0.012633	0.005296	0.017422	0.025155	0.001929	0.001711	0.005676	0.000778	0.000837
Single Family Housing	0.614571	0.037691	0.177673	0.098627	0.012633	0.005296	0.017422	0.025155	0.001929	0.001711	0.005676	0.000778	0.000837
User Defined Residential	0.614571	0.037691	0.177673	0.098627	0.012633	0.005296	0.017422	0.025155	0.001929	0.001711	0.005676	0.000778	0.000837

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Install Energy Efficient Appliances

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.8812	7.5864	3.6160	0.0481		0.6088	0.6088		0.6088	0.6088		9,613.0508	9,613.0508	0.1843	0.1762	9,670.1763
NaturalGas Unmitigated	0.8812	7.5864	3.6160	0.0481		0.6088	0.6088		0.6088	0.6088		9,613.0508	9,613.0508	0.1843	0.1762	9,670.1763

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Industrial Park	417.781	4.5100e-003	0.0410	0.0344	2.5000e-004		3.1100e-003	3.1100e-003		3.1100e-003	3.1100e-003		49.1507	49.1507	9.4000e-004	9.0000e-004	49.4428
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Recreational Swimming Pool	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	56.7123	6.1000e-004	5.5600e-003	4.6700e-003	3.0000e-005		4.2000e-004	4.2000e-004		4.2000e-004	4.2000e-004		6.6720	6.6720	1.3000e-004	1.2000e-004	6.7117
Single Family Housing	72167.1	0.7783	6.6507	2.8301	0.0425		0.5377	0.5377		0.5377	0.5377		8,490.2498	8,490.2498	0.1627	0.1557	8,540.7031
User Defined Residential	9069.32	0.0978	0.8892	0.7469	5.3300e-003		0.0676	0.0676		0.0676	0.0676		1,066.9782	1,066.9782	0.0205	0.0196	1,073.3188
Total		**0.8812**	**7.5864**	**3.6160**	**0.0481**		**0.6088**	**0.6088**		**0.6088**	**0.6088**		**9,613.0508**	**9,613.0508**	**0.1843**	**0.1762**	**9,670.1763**

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Industrial Park	0.417781	4.5100e-003	0.0410	0.0344	2.5000e-004		3.1100e-003	3.1100e-003		3.1100e-003	3.1100e-003		49.1507	49.1507	9.4000e-004	9.0000e-004	49.4428
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Recreational Swimming Pool	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	0.0567123	6.1000e-004	5.5600e-003	4.6700e-003	3.0000e-005		4.2000e-004	4.2000e-004		4.2000e-004	4.2000e-004		6.6720	6.6720	1.3000e-004	1.2000e-004	6.7117
Single Family Housing	72.1671	0.7783	6.6507	2.8301	0.0425		0.5377	0.5377		0.5377	0.5377		8,490.2498	8,490.2498	0.1627	0.1557	8,540.7031
User Defined Residential	9.06932	0.0978	0.8892	0.7469	5.3300e-003		0.0676	0.0676		0.0676	0.0676		1,066.9782	1,066.9782	0.0205	0.0196	1,073.3188
Total		**0.8812**	**7.5864**	**3.6160**	**0.0481**		**0.6088**	**0.6088**		**0.6088**	**0.6088**		**9,613.0508**	**9,613.0508**	**0.1843**	**0.1762**	**9,670.1763**

6.0 Area Detail

6.1 Mitigation Measures Area

Use Low VOC Paint - Residential Interior

Use Low VOC Paint - Residential Exterior

Use Low VOC Paint - Non-Residential Interior

Use Low VOC Paint - Non-Residential Exterior

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	96.3398	1.0630	92.2992	4.8800e-003		0.5120	0.5120		0.5120	0.5120	0.0000	166.3757	166.3757	0.1596	0.0000	170.3647
Unmitigated	96.3398	1.0630	92.2992	4.8800e-003		0.5120	0.5120		0.5120	0.5120	0.0000	166.3757	166.3757	0.1596	0.0000	170.3647

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	18.1569					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	75.4075					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	2.7755	1.0630	92.2992	4.8800e-003		0.5120	0.5120		0.5120	0.5120		166.3757	166.3757	0.1596		170.3647
Total	**96.3398**	**1.0630**	**92.2992**	**4.8800e-003**		**0.5120**	**0.5120**		**0.5120**	**0.5120**	**0.0000**	**166.3757**	**166.3757**	**0.1596**	**0.0000**	**170.3647**

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	18.1569					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	75.4075					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	2.7755	1.0630	92.2992	4.8800e-003		0.5120	0.5120		0.5120	0.5120		166.3757	166.3757	0.1596		170.3647
Total	**96.3398**	**1.0630**	**92.2992**	**4.8800e-003**		**0.5120**	**0.5120**		**0.5120**	**0.5120**	**0.0000**	**166.3757**	**166.3757**	**0.1596**	**0.0000**	**170.3647**

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

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

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

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

Boilers

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

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

CalEEMod Version: CalEEMod.2016.3.1 Date: 12/18/2017 3:31 PM

Proctor Valley EIR Operational

San Diego County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Industrial Park	8.50	1000sqft	2.10	8,500.00	0
Parking Lot	629.00	1000sqft	14.44	629,496.00	0
City Park	13.90	Acre	13.90	1,260.00	0
Recreational Swimming Pool	4.00	1000sqft	3.70	4,000.00	0
Single Family Housing	994.00	Dwelling Unit	361.10	2,898,410.00	2762
User Defined Residential	125.00	Dwelling Unit	368.00	591,125.00	344
Regional Shopping Center	10.00	1000sqft	1.50	10,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.6	**Precipitation Freq (Days)**	40
Climate Zone	13			**Operational Year**	2028
Utility Company	San Diego Gas & Electric				
CO2 Intensity (lb/MWhr)	427.49	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - Refer to CalEEMod Input Matrix Table 2

Land Use - Refer to CalEEMod Input Matrix Table 4

Off-road Equipment - Operational Emissions Modeled Separately

Trips and VMT - Operational Run

Vehicle Trips - Chen Ryan 2017

Woodstoves - Refer to CalEEMod Input Matrix Table 17

Area Coating - Refer to CalEEMod Input Matrix Table 19

Energy Use - Refer to CalEEMod Input Matrix Table 21

Water And Wastewater - Refer to CalEEMod Input Matrix Table 22

Solid Waste - Solid waste generation rate based on total project-wide disposal rate of 3.6 tons per day

Area Mitigation - Refer to CalEEMod Input Matrix Table 19

Table Name	Column Name	Default Value	New Value
tblAreaCoating	Area_EF_Nonresidential_Exterior	250	150
tblAreaCoating	Area_EF_Nonresidential_Interior	250	150
tblAreaCoating	Area_EF_Residential_Exterior	250	150
tblAreaCoating	Area_EF_Residential_Interior	250	150
tblConstructionPhase	NumDays	12,400.00	1.00
tblEnergyUse	LightingElect	3.91	3.34
tblEnergyUse	LightingElect	0.88	0.75
tblEnergyUse	LightingElect	6.39	5.46
tblEnergyUse	LightingElect	1,608.84	993.00
tblEnergyUse	LightingElect	0.00	0.21
tblEnergyUse	NT24E	6,680.41	3,442.00
tblEnergyUse	NT24E	0.00	0.73
tblEnergyUse	NT24NG	4,180.00	4,500.00
tblEnergyUse	NT24NG	0.00	0.95
tblEnergyUse	T24E	4.88	4.17
tblEnergyUse	T24E	3.34	2.86
tblEnergyUse	T24E	374.93	971.00
tblEnergyUse	T24E	0.00	0.21
tblEnergyUse	T24NG	16.07	13.74
tblEnergyUse	T24NG	1.15	0.98
tblEnergyUse	T24NG	24,312.55	22,000.00
tblEnergyUse	T24NG	0.00	4.65
tblFireplaces	NumberGas	546.70	0.00
tblFireplaces	NumberGas	68.75	0.00
tblFireplaces	NumberNoFireplace	99.40	0.00
tblFireplaces	NumberNoFireplace	12.50	0.00
tblFireplaces	NumberWood	347.90	0.00
tblFireplaces	NumberWood	43.75	0.00

tblFleetMix	FleetMixLandUseSubType	Industrial Park	City Park
tblFleetMix	FleetMixLandUseSubType	Parking Lot	Industrial Park
tblFleetMix	FleetMixLandUseSubType	City Park	Parking Lot
tblFleetMix	FleetMixLandUseSubType	Single Family Housing	Regional Shopping Center
tblFleetMix	FleetMixLandUseSubType	User Defined Residential	Single Family Housing
tblFleetMix	FleetMixLandUseSubType	Regional Shopping Center	User Defined Residential
tblLandUse	BuildingSpaceSquareFeet	629,000.00	629,496.00
tblLandUse	BuildingSpaceSquareFeet	0.00	1,260.00
tblLandUse	BuildingSpaceSquareFeet	0.00	4,000.00
tblLandUse	BuildingSpaceSquareFeet	1,789,200.00	2,898,410.00
tblLandUse	BuildingSpaceSquareFeet	0.00	591,125.00
tblLandUse	GreenSpaceSquareFeet	605,484.00	0.00
tblLandUse	LandUseSquareFeet	629,000.00	629,496.00
tblLandUse	LandUseSquareFeet	605,484.00	1,260.00
tblLandUse	LandUseSquareFeet	1,789,200.00	2,898,410.00
tblLandUse	LandUseSquareFeet	0.00	591,125.00
tblLandUse	LotAcreage	0.20	2.10
tblLandUse	LotAcreage	0.09	3.70
tblLandUse	LotAcreage	322.73	361.10
tblLandUse	LotAcreage	0.00	368.00
tblLandUse	LotAcreage	0.23	1.50
tblLandUse	Population	2,843.00	2,762.00
tblLandUse	Population	358.00	344.00
tblLandUse	RecSwimmingAreaSquareFeet	4,000.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblOffRoadEquipment	UsageHours	7.00	0.00
tblProjectCharacteristics	CO2IntensityFactor	720.49	427.49
tblProjectCharacteristics	OperationalYear	2018	2028
tblSolidWaste	SolidWasteGenerationRate	1.20	0.00

tblSolidWaste	SolidWasteGenerationRate	10.54	0.00
tblSolidWaste	SolidWasteGenerationRate	22.80	0.00
tblSolidWaste	SolidWasteGenerationRate	10.50	0.00
tblSolidWaste	SolidWasteGenerationRate	1,132.42	1,314.00
tblTripsAndVMT	HaulingTripLength	20.00	0.00
tblTripsAndVMT	VendorTripLength	7.30	0.00
tblTripsAndVMT	VendorTripNumber	227.00	0.00
tblTripsAndVMT	WorkerTripLength	10.80	0.00
tblTripsAndVMT	WorkerTripNumber	721.00	0.00
tblVehicleTrips	CC_TL	7.30	8.40
tblVehicleTrips	CC_TL	7.30	8.40
tblVehicleTrips	CC_TL	7.30	8.40
tblVehicleTrips	CC_TL	7.30	8.40
tblVehicleTrips	CC_TL	7.30	8.40
tblVehicleTrips	CC_TTP	48.00	100.00
tblVehicleTrips	CC_TTP	28.00	100.00
tblVehicleTrips	CC_TTP	0.00	100.00
tblVehicleTrips	CC_TTP	48.00	100.00
tblVehicleTrips	CC_TTP	64.70	100.00
tblVehicleTrips	CC_TTP	0.00	100.00
tblVehicleTrips	CC_TTP	0.00	100.00
tblVehicleTrips	CNW_TL	7.30	8.40
tblVehicleTrips	CNW_TL	7.30	8.40
tblVehicleTrips	CNW_TL	7.30	8.40
tblVehicleTrips	CNW_TL	7.30	8.40
tblVehicleTrips	CNW_TL	7.30	8.40
tblVehicleTrips	CNW_TTP	19.00	0.00
tblVehicleTrips	CNW_TTP	13.00	0.00
tblVehicleTrips	CNW_TTP	19.00	0.00

tblVehicleTrips	CNW_TTP	19.00	0.00
tblVehicleTrips	CW_TL	9.50	8.40
tblVehicleTrips	CW_TL	9.50	8.40
tblVehicleTrips	CW_TL	9.50	8.40
tblVehicleTrips	CW_TL	9.50	8.40
tblVehicleTrips	CW_TL	9.50	8.40
tblVehicleTrips	CW_TTP	33.00	0.00
tblVehicleTrips	CW_TTP	59.00	0.00
tblVehicleTrips	CW_TTP	33.00	0.00
tblVehicleTrips	CW_TTP	16.30	0.00
tblVehicleTrips	DV_TP	28.00	0.00
tblVehicleTrips	DV_TP	19.00	0.00
tblVehicleTrips	DV_TP	39.00	0.00
tblVehicleTrips	DV_TP	35.00	0.00
tblVehicleTrips	DV_TP	11.00	0.00
tblVehicleTrips	HO_TL	7.50	8.40
tblVehicleTrips	HO_TL	7.50	8.40
tblVehicleTrips	HO_TTP	39.60	0.00
tblVehicleTrips	HO_TTP	39.60	0.00
tblVehicleTrips	HS_TL	7.30	8.40
tblVehicleTrips	HS_TL	7.30	8.40
tblVehicleTrips	HS_TTP	18.80	0.00
tblVehicleTrips	HS_TTP	18.80	0.00
tblVehicleTrips	HW_TL	10.80	8.40
tblVehicleTrips	HW_TL	10.80	8.40
tblVehicleTrips	HW_TTP	0.00	100.00
tblVehicleTrips	HW_TTP	0.00	100.00
tblVehicleTrips	HW_TTP	0.00	100.00
tblVehicleTrips	HW_TTP	0.00	100.00

tblVehicleTrips	HW_TTP	0.00	100.00
tblVehicleTrips	HW_TTP	41.60	100.00
tblVehicleTrips	HW_TTP	41.60	100.00
tblVehicleTrips	PB_TP	6.00	0.00
tblVehicleTrips	PB_TP	2.00	0.00
tblVehicleTrips	PB_TP	9.00	0.00
tblVehicleTrips	PB_TP	11.00	0.00
tblVehicleTrips	PB_TP	3.00	0.00
tblVehicleTrips	PR_TP	66.00	100.00
tblVehicleTrips	PR_TP	79.00	100.00
tblVehicleTrips	PR_TP	0.00	100.00
tblVehicleTrips	PR_TP	52.00	100.00
tblVehicleTrips	PR_TP	54.00	100.00
tblVehicleTrips	PR_TP	86.00	100.00
tblVehicleTrips	PR_TP	0.00	100.00
tblVehicleTrips	ST_TR	22.75	60.19
tblVehicleTrips	ST_TR	2.49	0.73
tblVehicleTrips	ST_TR	9.10	8.88
tblVehicleTrips	ST_TR	49.97	128.73
tblVehicleTrips	ST_TR	9.91	10.41
tblVehicleTrips	ST_TR	0.00	12.49
tblVehicleTrips	SU_TR	16.74	44.29
tblVehicleTrips	SU_TR	0.73	0.22
tblVehicleTrips	SU_TR	13.60	13.27
tblVehicleTrips	SU_TR	25.24	65.02
tblVehicleTrips	SU_TR	8.62	9.05
tblVehicleTrips	SU_TR	0.00	10.87
tblVehicleTrips	WD_TR	1.89	5.00
tblVehicleTrips	WD_TR	6.83	1.88

tblVehicleTrips	WD_TR	33.82	33.00
tblVehicleTrips	WD_TR	42.70	110.00
tblVehicleTrips	WD_TR	9.52	10.00
tblVehicleTrips	WD_TR	0.00	12.00
tblWater	IndoorWaterUseRate	1,965,625.00	749,162.50
tblWater	IndoorWaterUseRate	236,572.58	0.00
tblWater	IndoorWaterUseRate	740,725.21	553,887.50
tblWater	IndoorWaterUseRate	64,763,101.47	165,520,955.00
tblWater	OutdoorWaterUseRate	16,561,590.76	18,327,380.00
tblWater	OutdoorWaterUseRate	0.00	749,162.50
tblWater	OutdoorWaterUseRate	144,996.10	0.00
tblWater	OutdoorWaterUseRate	453,992.87	553,887.50
tblWater	OutdoorWaterUseRate	40,828,911.79	165,520,955.00
tblWoodstoves	NumberCatalytic	49.70	0.00
tblWoodstoves	NumberCatalytic	6.25	0.00
tblWoodstoves	NumberNoncatalytic	49.70	0.00
tblWoodstoves	NumberNoncatalytic	6.25	0.00
tblWoodstoves	WoodstoveDayYear	82.00	0.00
tblWoodstoves	WoodstoveDayYear	82.00	0.00
tblWoodstoves	WoodstoveWoodMass	3,019.20	0.00
tblWoodstoves	WoodstoveWoodMass	3,019.20	0.00

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2019	1.7500	14.9432	11.1193	0.0188	0.0000	0.8803	0.8803	0.0000	0.8359	0.8359	0.0000	1,784.2828	1,784.2828	0.3759	0.0000	1,793.6806
Maximum	**1.7500**	**14.9432**	**11.1193**	**0.0188**	**0.0000**	**0.8803**	**0.8803**	**0.0000**	**0.8359**	**0.8359**	**0.0000**	**1,784.2828**	**1,784.2828**	**0.3759**	**0.0000**	**1,793.6806**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2019	1.7500	14.9432	11.1193	0.0188	0.0000	0.8803	0.8803	0.0000	0.8359	0.8359	0.0000	1,784.2828	1,784.2828	0.3759	0.0000	1,793.6806
Maximum	**1.7500**	**14.9432**	**11.1193**	**0.0188**	**0.0000**	**0.8803**	**0.8803**	**0.0000**	**0.8359**	**0.8359**	**0.0000**	**1,784.2828**	**1,784.2828**	**0.3759**	**0.0000**	**1,793.6806**

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

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	96.3398	1.0630	92.2992	4.8800e-003		0.5120	0.5120		0.5120	0.5120	0.0000	166.3757	166.3757	0.1596	0.0000	170.3647
Energy	0.8812	7.5864	3.6160	0.0481		0.6088	0.6088		0.6088	0.6088		9,613.0508	9,613.0508	0.1843	0.1762	9,670.1763
Mobile	27.7116	105.1253	250.3124	0.9202	91.8931	0.6616	92.5547	24.5508	0.6143	25.1651		94,262.4558	94,262.4558	4.7534		94,381.2902
Total	**124.9327**	**113.7747**	**346.2277**	**0.9732**	**91.8931**	**1.7825**	**93.6755**	**24.5508**	**1.7351**	**26.2859**	**0.0000**	**104,041.8822**	**104,041.8822**	**5.0972**	**0.1762**	**104,221.8313**

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	96.3398	1.0630	92.2992	4.8800e-003		0.5120	0.5120		0.5120	0.5120	0.0000	166.3757	166.3757	0.1596	0.0000	170.3647
Energy	0.8812	7.5864	3.6160	0.0481		0.6088	0.6088		0.6088	0.6088		9,613.0508	9,613.0508	0.1843	0.1762	9,670.1763
Mobile	27.7116	105.1253	250.3124	0.9202	91.8931	0.6616	92.5547	24.5508	0.6143	25.1651		94,262.4558	94,262.4558	4.7534		94,381.2902
Total	**124.9327**	**113.7747**	**346.2277**	**0.9732**	**91.8931**	**1.7825**	**93.6755**	**24.5508**	**1.7351**	**26.2859**	**0.0000**	**104,041.8822**	**104,041.8822**	**5.0972**	**0.1762**	**104,221.8313**

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

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Building Construction	Building Construction	7/1/2019	7/1/2019	5	1	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 14.44

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

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	1	0.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Building Construction	7	0.00	0.00	0.00	0.00	0.00	0.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3.2 Building Construction - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.7500	14.9432	11.1193	0.0188		0.8803	0.8803		0.8359	0.8359		1,784.2828	1,784.2828	0.3759		1,793.6806
Total	**1.7500**	**14.9432**	**11.1193**	**0.0188**		**0.8803**	**0.8803**		**0.8359**	**0.8359**		**1,784.2828**	**1,784.2828**	**0.3759**		**1,793.6806**

Unmitigated Construction Off-Site

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

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.7500	14.9432	11.1193	0.0188		0.8803	0.8803		0.8359	0.8359	0.0000	1,784.2828	1,784.2828	0.3759		1,793.6806
Total	**1.7500**	**14.9432**	**11.1193**	**0.0188**		**0.8803**	**0.8803**		**0.8359**	**0.8359**	**0.0000**	**1,784.2828**	**1,784.2828**	**0.3759**		**1,793.6806**

Mitigated Construction Off-Site

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

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	27.7116	105.1253	250.3124	0.9202	91.8931	0.6616	92.5547	24.5508	0.6143	25.1651		94,262.4558	94,262.4558	4.7534		94,381.2902
Unmitigated	27.7116	105.1253	250.3124	0.9202	91.8931	0.6616	92.5547	24.5508	0.6143	25.1651		94,262.4558	94,262.4558	4.7534		94,381.2902

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
City Park	139.00	1,673.28	1231.26	786,140	786,140
Industrial Park	31.96	12.41	3.74	38,427	38,427
Parking Lot	0.00	0.00	0.00		
Recreational Swimming Pool	264.00	71.04	106.16	326,988	326,988
Regional Shopping Center	2,200.00	2,574.60	1300.40	3,248,700	3,248,700
Single Family Housing	19,880.00	20,695.08	17991.40	30,158,087	30,158,087
User Defined Residential	3,000.00	3,122.50	2717.50	4,551,456	4,551,456
Total	25,514.96	28,148.91	23,350.46	39,109,800	39,109,800

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
City Park	8.40	8.40	8.40	0.00	100.00	0.00	100	0	0
Industrial Park	8.40	8.40	8.40	0.00	100.00	0.00	100	0	0
Parking Lot	8.40	8.40	8.40	0.00	100.00	0.00	100	0	0
Recreational Swimming Pool	8.40	8.40	8.40	0.00	100.00	0.00	100	0	0
Regional Shopping Center	8.40	8.40	8.40	0.00	100.00	0.00	100	0	0
Single Family Housing	8.40	8.40	8.40	100.00	0.00	0.00	100	0	0
User Defined Residential	8.40	8.40	8.40	100.00	0.00	0.00	100	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
City Park	0.614571	0.037691	0.177673	0.098627	0.012633	0.005296	0.017422	0.025155	0.001929	0.001711	0.005676	0.000778	0.000837
Industrial Park	0.614571	0.037691	0.177673	0.098627	0.012633	0.005296	0.017422	0.025155	0.001929	0.001711	0.005676	0.000778	0.000837
Parking Lot	0.614571	0.037691	0.177673	0.098627	0.012633	0.005296	0.017422	0.025155	0.001929	0.001711	0.005676	0.000778	0.000837
Recreational Swimming Pool	0.614571	0.037691	0.177673	0.098627	0.012633	0.005296	0.017422	0.025155	0.001929	0.001711	0.005676	0.000778	0.000837
Regional Shopping Center	0.614571	0.037691	0.177673	0.098627	0.012633	0.005296	0.017422	0.025155	0.001929	0.001711	0.005676	0.000778	0.000837
Single Family Housing	0.614571	0.037691	0.177673	0.098627	0.012633	0.005296	0.017422	0.025155	0.001929	0.001711	0.005676	0.000778	0.000837
User Defined Residential	0.614571	0.037691	0.177673	0.098627	0.012633	0.005296	0.017422	0.025155	0.001929	0.001711	0.005676	0.000778	0.000837

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Install Energy Efficient Appliances

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.8812	7.5864	3.6160	0.0481		0.6088	0.6088		0.6088	0.6088		9,613.0508	9,613.0508	0.1843	0.1762	9,670.1763
NaturalGas Unmitigated	0.8812	7.5864	3.6160	0.0481		0.6088	0.6088		0.6088	0.6088		9,613.0508	9,613.0508	0.1843	0.1762	9,670.1763

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Industrial Park	417.781	4.5100e-003	0.0410	0.0344	2.5000e-004		3.1100e-003	3.1100e-003		3.1100e-003	3.1100e-003		49.1507	49.1507	9.4000e-004	9.0000e-004	49.4428
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Recreational Swimming Pool	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	56.7123	6.1000e-004	5.5600e-003	4.6700e-003	3.0000e-005		4.2000e-004	4.2000e-004		4.2000e-004	4.2000e-004		6.6720	6.6720	1.3000e-004	1.2000e-004	6.7117
Single Family Housing	72167.1	0.7783	6.6507	2.8301	0.0425		0.5377	0.5377		0.5377	0.5377		8,490.2498	8,490.2498	0.1627	0.1557	8,540.7031
User Defined Residential	9069.32	0.0978	0.8892	0.7469	5.3300e-003		0.0676	0.0676		0.0676	0.0676		1,066.9782	1,066.9782	0.0205	0.0196	1,073.3188
Total		**0.8812**	**7.5864**	**3.6160**	**0.0481**		**0.6088**	**0.6088**		**0.6088**	**0.6088**		**9,613.0508**	**9,613.0508**	**0.1843**	**0.1762**	**9,670.1763**

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Industrial Park	0.417781	4.5100e-003	0.0410	0.0344	2.5000e-004		3.1100e-003	3.1100e-003		3.1100e-003	3.1100e-003		49.1507	49.1507	9.4000e-004	9.0000e-004	49.4428
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Recreational Swimming Pool	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	0.0567123	6.1000e-004	5.5600e-003	4.6700e-003	3.0000e-005		4.2000e-004	4.2000e-004		4.2000e-004	4.2000e-004		6.6720	6.6720	1.3000e-004	1.2000e-004	6.7117
Single Family Housing	72.1671	0.7783	6.6507	2.8301	0.0425		0.5377	0.5377		0.5377	0.5377		8,490.2498	8,490.2498	0.1627	0.1557	8,540.7031
User Defined Residential	9.06932	0.0978	0.8892	0.7469	5.3300e-003		0.0676	0.0676		0.0676	0.0676		1,066.9782	1,066.9782	0.0205	0.0196	1,073.3188
Total		**0.8812**	**7.5864**	**3.6160**	**0.0481**		**0.6088**	**0.6088**		**0.6088**	**0.6088**		**9,613.0508**	**9,613.0508**	**0.1843**	**0.1762**	**9,670.1763**

6.0 Area Detail

6.1 Mitigation Measures Area

Use Low VOC Paint - Residential Interior

Use Low VOC Paint - Residential Exterior

Use Low VOC Paint - Non-Residential Interior

Use Low VOC Paint - Non-Residential Exterior

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	96.3398	1.0630	92.2992	4.8800e-003		0.5120	0.5120		0.5120	0.5120	0.0000	166.3757	166.3757	0.1596	0.0000	170.3647
Unmitigated	96.3398	1.0630	92.2992	4.8800e-003		0.5120	0.5120		0.5120	0.5120	0.0000	166.3757	166.3757	0.1596	0.0000	170.3647

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	18.1569					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	75.4075					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	2.7755	1.0630	92.2992	4.8800e-003		0.5120	0.5120		0.5120	0.5120		166.3757	166.3757	0.1596		170.3647
Total	**96.3398**	**1.0630**	**92.2992**	**4.8800e-003**		**0.5120**	**0.5120**		**0.5120**	**0.5120**	**0.0000**	**166.3757**	**166.3757**	**0.1596**	**0.0000**	**170.3647**

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	18.1569					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	75.4075					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	2.7755	1.0630	92.2992	4.8800e-003		0.5120	0.5120		0.5120	0.5120		166.3757	166.3757	0.1596		170.3647
Total	**96.3398**	**1.0630**	**92.2992**	**4.8800e-003**		**0.5120**	**0.5120**		**0.5120**	**0.5120**	**0.0000**	**166.3757**	**166.3757**	**0.1596**	**0.0000**	**170.3647**

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

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

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

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

Boilers

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

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

CalEEMod Version: CalEEMod.2016.3.1

Date: 12/18/2017 3:48 PM

Proctor Valley EIR Operational

San Diego County, Mitigation Report

Construction Mitigation Summary

Phase	ROG	NOx	CO	SO2	Exhaust PM10	Exhaust PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction												
Building Construction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

OFFROAD Equipment Mitigation

Equipment Type	Fuel Type	Tier	Number Mitigated	Total Number of Equipment	DPF	Oxidation Catalyst
Cranes	Diesel	No Change	0	1	No Change	0.00
Forklifts	Diesel	No Change	0	3	No Change	0.00
Generator Sets	Diesel	No Change	0	1	No Change	0.00
Tractors/Loaders/Backhoes	Diesel	No Change	0	1	No Change	0.00
Welders	Diesel	No Change	0	1	No Change	0.00

Equipment Type	ROG	NOx	CO	SO2	Exhaust PM10	Exhaust PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	Unmitigated tons/yr						Unmitigated mt/yr					
Cranes	2.20000E-004	2.63000E-003	1.00000E-003	0.00000E+000	1.10000E-004	1.00000E-004	0.00000E+000	2.26710E-001	2.26710E-001	7.00000E-005	0.00000E+000	2.28500E-001
Forklifts	2.40000E-004	2.14000E-003	1.79000E-003	0.00000E+000	1.70000E-004	1.50000E-004	0.00000E+000	2.05910E-001	2.05910E-001	7.00000E-005	0.00000E+000	2.07540E-001
Generator Sets	2.20000E-004	1.89000E-003	1.86000E-003	0.00000E+000	1.10000E-004	1.10000E-004	0.00000E+000	2.82600E-001	2.82600E-001	2.00000E-005	0.00000E+000	2.83050E-001
Tractors/Loaders/Backhoes	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000
Welders	1.90000E-004	8.10000E-004	9.00000E-004	0.00000E+000	5.00000E-005	5.00000E-005	0.00000E+000	9.41100E-002	9.41100E-002	2.00000E-005	0.00000E+000	9.45000E-002

Equipment Type	ROG	NOx	CO	SO2	Exhaust PM10	Exhaust PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	Mitigated tons/yr						Mitigated mt/yr					
Cranes	2.20000E-004	2.63000E-003	1.00000E-003	0.00000E+000	1.10000E-004	1.00000E-004	0.00000E+000	2.26710E-001	2.26710E-001	7.00000E-005	0.00000E+000	2.28500E-001
Forklifts	2.40000E-004	2.14000E-003	1.79000E-003	0.00000E+000	1.70000E-004	1.50000E-004	0.00000E+000	2.05910E-001	2.05910E-001	7.00000E-005	0.00000E+000	2.07540E-001
Generator Sets	2.20000E-004	1.89000E-003	1.86000E-003	0.00000E+000	1.10000E-004	1.10000E-004	0.00000E+000	2.82600E-001	2.82600E-001	2.00000E-005	0.00000E+000	2.83050E-001
Tractors/Loaders/Backhoes	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000
Welders	1.90000E-004	8.10000E-004	9.00000E-004	0.00000E+000	5.00000E-005	5.00000E-005	0.00000E+000	9.41100E-002	9.41100E-002	2.00000E-005	0.00000E+000	9.45000E-002

Equipment Type	ROG	NOx	CO	SO2	Exhaust PM10	Exhaust PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	Percent Reduction											
Cranes	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000
Forklifts	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000
Generator Sets	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000
Tractors/Loaders/Backhoes	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000
Welders	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000

Fugitive Dust Mitigation

Yes/No	Mitigation Measure	Mitigation Input		Mitigation Input		Mitigation Input	
No	Soil Stabilizer for unpaved Roads	PM10 Reduction		PM2.5 Reduction			
No	Replace Ground Cover of Area Disturbed	PM10 Reduction		PM2.5 Reduction			
No	Water Exposed Area	PM10 Reduction		PM2.5 Reduction		Frequency (per day)	
No	Unpaved Road Mitigation	Moisture Content %		Vehicle Speed (mph)			
No	Clean Paved Road	% PM Reduction	0.00				

		Unmitigated		Mitigated		Percent Reduction	
Phase	Source	PM10	PM2.5	PM10	PM2.5	PM10	PM2.5
Building Construction	Fugitive Dust	0.00	0.00	0.00	0.00	0.00	0.00
Building Construction	Roads	0.00	0.00	0.00	0.00	0.00	0.00

Operational Percent Reduction Summary

Category	ROG	NOx	CO	SO2	Exhaust PM10	Exhaust PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction												
Architectural Coating	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Consumer Products	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Electricity	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.48	2.48	2.47	2.45	2.48
Hearth	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Landscaping	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Mobile	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Natural Gas	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Water Indoor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Water Outdoor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Table 1: Project Detail			
Project Characteristic (unit)	**Analyst Input**	**Notes**	**Source**
Project Name	Proctor Valley EIR Operational	--	Project Description
Project Location	San Diego County	--	--
Wind speed (m/s)	default		
Precipitation Frequency (days)	default		
CEC Climate Forecasting Zone	13	--	CalEEMod Appendix E
Land Use Setting	Urban	based on availability of uses	--
Start of Construction	1-Jul-19	Central Village Schedule	Proctor Valley EIR Assumptions
Operational Year	2028	Central Village Schedule	Proctor Valley EIR Assumptions

Table 2: Utility Information			
Project Characteristic (unit)	**Analyst Input**	**Notes**	**Source**
Select Utility Company	San Diego Gas and Electric	project location	CEC, 2014
CO2 Intensity Factor (lb./Mwh)	427.49	Adjusted for RPS	
CH4 Intensity Factor (lb./Mwh)	default		
N20 Intensity Factor (lb./Mwh)	default		

Table 3: Pollutants			
Pollutant Selection	**Pollutant Full Name**	**Notes**	**Source**
checked	ROG	--	--
checked	NOx	--	--
checked	CO	--	--
checked	SO2	--	--
checked	PM 10	--	--
checked	PM 2.5	--	--
checked	Fugitive PM 10	--	--
checked	Fugitive PM 2.5	--	--
checked	Biogenic CO2	--	--
checked	Non-biogenic CO2	--	--
checked	CO2	--	--
checked	CH4	--	--
checked	N20	--	--
checked	CO2e	--	--

Table 4: Land Use						
Land Use Type	**Land Use Subtype**	**Unit Amount**	**Size Metric**	**Lot Acreage**	**Square Feet[1]**	**Population[2]**
Recreational	City Park	13.9	acre	13.9	1,260	0
Industrial	Industrial Park (Public Safety)	8.5	1000sqft	2.1	8,500	0
Recreational	Recreational Swimming Pool	3	1000sqft	3.7	4,000	0
Retail	Regional Shopping Center	10	1000sqft	1.5	10,000	0
Parking	Parking Lot	629	1000sqft	14.44	629,496	0
Residential	Single Family Housing	994	dwelling unit	361.1	2,898,410	2762
Residential	User Defined Residential (Estate)	125	dwelling unit	368.0	591,125	344

Table 5: Vehicle Trips	
Land Use Subtype	**Size Metric**
Refer to Trip Generation Worksheet	

Table 6: Vehicle Emissions
default

Table 7: Fleet Mix													
Land Use Subtype	**LDA**	**LDT1**	**LDT2**	**MDV**	**LHD1**	**LHD2**	**MHD**	**HHD**	**OBUS**	**UBUS**	**MCY**	**SBUS**	**MH**
default													

Table 8: Paved Road Dust	
% Pave	default
Road Silt Loading (g/m2)	
Weight (tons)	

Table 9: Paved Road Dust	
Material Silt Content (%)	default
Material Moisture Content (%)	
Mean Vechile Speed (mph)	
CARB Unmitigated Unpaved Road Statewide Emissions Inventory Method	

Table 10: Woodstoves						
Residential Land Use Subtype	**# Conventional**	**# Catalytic**	**# Non-Catalytic**	**# Pellet**	**Days/ Year**	**Wood Mass (lb./year)**
Single Family Housing	0					

Table 10 cont.: Fireplaces							
Residential Land Use Subtype	**# Wood**	**# Gas**	**# Propane**	**# No Fireplace**	**Hours/ Day**	**Days/Year**	**Wood Mass (lb./year)**
Single Family Housing	0	878	0	116	default		
User Defined Residential	0	125	0	0			

Table 10: Consumer Products	
Category	**Emission Factor**
General Category	--
Parking	--
City Park Golf Course	--

Table 11: Area Architectural Coatings	
Reapplication Rate	--
Residential Interior	
Emission Factor (g/L)	150
square footage	--
Residential Exterior	
Emission Factor (g/L)	150
square footage	--
Parking	
Emission Factor (g/L)	--
square footage	--
Non-residential Interior	
Emission Factor (g/L)	150
square footage	--
Non-residential Exterior	
Emission Factor (g/L)	150
square footage	--
Source: SDAPCD Rule 67.0.1	

Table 12: Landscape Equipment	
Number of Days	
Snow Days	default
Summer Days	

Table 13: Energy Use					
Land Use Subtype	**Title-24 Electricity Energy Intensity (kWhr/size/ year)**	**Nontitle-24 Electricity Energy Intensity (kWhr/size/ year)**	**Lighting Energy Intensity (kWhr/size/ year)**	**Title-24 Natural Gas Energy Intensity (kBTU/size /year)**	**Nontitle-24 Natural Gas Energy Intensity (kBTU/size /year)**
Single Family Housing	971	2,371	993	22,000	4,500
User Defined Residential (Estate)	971	2,371	993	22,000	4,500
Industrial Park (Fire Station)	4.17	4.97	3.34	13.74	4.20
Parking Lot	0.00	0.00	0.75	0.00	0.00
Regional Shopping Center	2.86	3.16	5.46	0.98	1.09
Consol, 2017					

Table 14: Water and Wastewater												
Land Use Subtype	**Size Metric**	**Indoor Water Use (gals/year)**	**Outdoor Water Use (gals/year)[1]**	**Electricity Intensity Factor to Supply (kWhr/Mgal)**	**Electricity Intensity Factor to Treat (kWhr/Mgal)**	**Electricity Intensity Factor to Distribute (kWhr/ Mgal)**	**Electricity Intensity Factor or Wastewater Treatment (kWhr/ Mgal)**	**Septic Tank (%)**	**Aerobic (%)**	**Facultative Lagoons (%)**	**Anaerobic Digester with Combustion of Digester Gas (%)**	**Anaerobic Digester with Cogeneration from Combustion of Digester Gas (%)**
Industrial Park	1000sqft	749,163	749,163	default					100	default		
Parking Lot	1000sqft	--	--									
City Park	Acre		18,327,380									
Recreational Swimming Pool	1000sqft	--	--									
Single Family Housing	Dwelling Unit	165,520,955	165,520,955									
User Defined Residential (Estate)	Dwelling Unit	--	--									
Regional Shopping Center	1000sqft	553,888	553,888									
Notes: Estate water use included in Single Family Housing. Recreational Swimming Pool water use included in city park.												

Table 15: Solid Waste					
Land Use Subtype	**Size Metric**	**Solid Waste Generation Rate (tons/year)[1]**	**Landfill No Gas Capture (%)**	**Landfill Gas Flare (%)**	**Landfill Capture Gas Energy Recovery (%)**
SFR		1314	default		
Note: Project Wide					

Table 16: Off-Road Equipment						
Equipment Type	**Number of Equipment**	**Hours/Day**	**Days/Year**	**Horsepower (HP)**	**Load Factor**	**Fuel Type**
default						

Table 17: Emergency Generators and Fire Pumps							
Equipment Type	Number of Equipment	Fuel Type	Horsepower (HP)	Load Factor (0-1)	Hours/Day	Hours/Year	Equipment Description
--							

Table 18: Generators / Fire Pumps EF
--

Table 19: Process Boilers						
Equipment Type	Number of Equipment	Fuel Type	Boiler Rating (MMBtu/hr.)	Daily Heat Input (MMBtu/day)	Annual Heat Input (MMBtu/year)	Equipment Description
--						

Table 20: Boilers EF
--

Table 21: User Defined
--

Table 22: Land Use Change				
Vegetation Land Use Type	**Vegetation Land Use Subtype**	**Initial Acres**	**Final Acres**	**Annual CO2 accumulation per acres (tonnes CO2/year)**
calculated outside CalEEMod				

Table 23: Sequestration		
Broad Species Class	**Number of New Trees**	**Annual CO2 accumulation per tree (tonnes CO2/year)**
calculated outside CalEEMod		

Table 24: Land Use & Site Enhancement	
Project Setting	Low Density Suburban
Land Use	
Dwelling Units/acre	--
Jobs/Job acre	
Increase Diversity	
Improve Walkability Design	
Intersections/ Square Miles	
Increase Destination Accessibility	
Distance to Downtown Job Center (miles)	
Increase Transit Accessibility	
Distance to Transit Station (miles)	
Integrate Below Market Rate Housing	
% Dwelling Units Below Market Rate	
Neighborhood Enhancements	
Improve Pedestrian Network	--
Provide Traffic Calming Measures	
% Streets with Improvement	
% Intersections with Improvement	
Implement NEV Network	
Parking Policy/Pricing	
Limit Parking Supply	--
% Reduction in Spaces	
Unbundle Parking Costs	
Monthly Parking Cost ($)	
On-Street Market Pricing	
% Increase in Price	
Transit Improvement	
Provide BRT System	--
% Lines BRT	
Expand Transit Network	
% Increase Transit Coverage	
Increase Transit Frequency	
Level of Implementation	
% Reduction in Headways	

Table 25	
Commute Trip	
Implementing Trip Reduction	--
% employee eligible	
Program Type	
Transit Subsidy	
Implementing Trip Reduction	
Daily Transit Subsidy Amount ($)	
Implementing Employee Parking "Cash-Out"	
% employee eligible	
Workplace Parking Charge	
% employee eligible	
Daily Parking Charge ($)	
Encourage Telecommuting and Alternative Work Schedules	
% employee work 9/80	
% employee work 4/40	
% employee telecommute 1.5 days	
Market Commute Trip Reduction Option	
% employee eligible	
Employee Vanpool/Shuttle	
% employee eligible	
% vanpool mode share	
Provide Ride Sharing Program	
% employee eligible	
School Trip	
Implement School Bus Program	--
% family using	

Table 26: Area Mitigation	
Hearth	
Only Natural Gas Hearth	--
No Hearth	
Consumer Products for General Category	
Use Low VOC Cleaning Supplies	--
Architectural Coating	
Use low VOC Paint (Residential Interior)	--
Use low VOC Paint (Residential Exterior)	
Use low VOC Paint (Non-Residential Interior)	
Use low VOC Paint (Non-Residential Exterior)	
Use low VOC Paint (Parking)	
Landscape Equipment	
% Electric Lawnmower	--
% Electric Leaf blower	
% Electric Chainsaw	

Table 27: Energy	
Building Energy	
Exceed Title 24	--
% Improvement	
Install High Efficiency Lighting	
% Lighting Energy Reduction	
Alternative Energy	
On-site Renewable Energy	--
kWh Generated	
% of Electric Use Generated	

Table 28: Energy Efficient Appliances		
Appliance Type	**Land Use Subtype**	**% Improvement**
Clothes Washer	--	
Dish Washer		
Fan		
Refrigerator		

Table 29: Water Mitigation	
Water Conservation Strategy	
Apply Water Conservation Strategy	--
% Reduction Indoor	
% Reduction Outdoor	
Water Supply	
Used Reclaimed Water	--
% Indoor Water Use	--
% Outdoor Water Use	
Use Gray Water	
% Indoor Water Use	
% Outdoor Water Use	
Indoor Water Use	
Install Low-flow Bathroom Faucet	--
% Reduction in flow	
Install Low-flow Kitchen Faucet	
% Reduction in flow	
Install Low-flow Toilet	
% Reduction in flow	
Install Low-flow Shower	
% Reduction in flow	
Outdoor Water Use	
Turf Reduction	--
Turf Reduction Area (acres)	
% Reduction turf	
Use Water-Efficient Irrigation Systems	
% Reduction	
Water Efficient Landscape	
MAWA (gal/yr)	
ETWU (gal/yr)	

Table 30: Solid Waste	
Institute Recycling and Composting Services	yes
% Reduction in waste disposed	75
Notes: 75% waste diversion consistent with AB 341 (not mitigation)	

APPENDIX B

Blasting and Rock-Crushing Emissions Estimates

Proctor Valley Blasting Characteristics							
Data	**Units**	**PA16-19**	**PV North**	**JSP South**	**JSP Central**	**JSP North**	**Total**
Blasting	cu yd/phase	845,839	28,414	70,951	1,918,440	269,712	3,133,356
Days	days	95	5	10	215	30	355
Blasting per day	cu yd/day	8,904	5,683	7,095	8,923	8,990	39,595
Explosive	lb/day	9,789	6,400	7,800	9,814	9,867	43,670
Area Blasted	sq ft/phase	2,032,312	68,271	170,475	4,609,469	648,042	7,528,569
	sq ft/day	21,393	13,654	17,048	21,439	21,601	95,135

Proctor Valley EIR
Blasting Emissions
Phase PV PA 16/19

Anticipated blasting activities is assumed to include the following:

Assumptions:

15,000	cubic yard/blast
1	blast/day
8.25	ton explosives/per 15,000 CY blast (maximum blast)
11.24	feet average depth

Project Phase Estimates:

845,839	total cubic yard/phase
56.4	total blasts
465.21	total ton explosives/phase
8.25	maximum ton explosives/day
75,253	total square feet blasted/phase
1,335	maxmimum square feet blasted/day

Emissions Calculations:

Pollutant	Source	Emission Factor	Units	Maximum Daily (lbs/day)	Annual (lbs/year)	Annual (ton/year)
ROG	1	N/A	lb/ton	—	—	—
NOx	1	17	lb/ton	140.25	7,908.59	3.95
CO	1	67	lb/ton	552.75	31,169.17	15.58
SOx	1	2	lb/ton	16.50	930.42	0.47
PM_{10}	2	—	lb/blast	0.35	150.28	0.08
$PM_{2.5}$	2	—	lb/blast	0.02	8.67	0.00

Source/Reference:

1. AP-42, Section 13.3, Table 13.3-1 for ANFO.
2. AP-42, Section 11.9, Table 11.9-1.

$PM_{10} = 0.52 \times 0.000014 \times (A)^{1.5}$, where A is the horizontal area blasted.

$PM_{2.5} = 0.03 \times 0.000014 \times (A)^{1.5}$, where A is the horizontal area blasted.

Notes:

lb = pounds

Proctor Valley EIR
Blasting Emissions
Phase PV Rd North

Anticipated blasting activities is assumed to include the following:

Assumptions:

15,000	cubic yard/blast
1	blast/day
8.25	ton explosives/per 15,000 CY blast (maximum blast)
11.24	feet average depth

Project Phase Estimates:

28,414	total cubic yard/phase
1.9	total blasts
15.63	total ton explosives/phase
8.25	maximum ton explosives/day
2,528	total square feet blasted/phase
1,335	maxmimum square feet blasted/day

Emissions Calculations:

Pollutant	Source	Emission Factor	Units	Maximum Daily (lbs/day)	Annual (lbs/year)	Annual (ton/year)
ROG	1	N/A	lb/ton	—	—	—
NOx	1	17	lb/ton	140.25	265.67	0.13
CO	1	67	lb/ton	552.75	1,047.06	0.52
SOx	1	2	lb/ton	16.50	31.26	0.02
PM_{10}	2	—	lb/blast	0.35	0.93	0.00
$PM_{2.5}$	2	—	lb/blast	0.02	0.05	0.00

Source/Reference:

1. AP-42, Section 13.3, Table 13.3-1 for ANFO.
2. AP-42, Section 11.9, Table 11.9-1.

$PM_{10} = 0.52 \times 0.000014 \times (A)^{1.5}$, where A is the horizontal area blasted.

$PM_{2.5} = 0.03 \times 0.000014 \times (A)^{1.5}$, where A is the horizontal area blasted.

Notes:

lb = pounds

Proctor Valley EIR
Blasting Emissions
Phase JSP South

Anticipated blasting activities is assumed to include the following:

Assumptions:

15,000	cubic yard/blast
1	blast/day
8.25	ton explosives/per 15,000 CY blast (maximum blast)
11.24	feet average depth

Project Phase Estimates:

70,951	total cubic yard/phase
4.7	total blasts
39.02	total ton explosives/phase
8.25	maximum ton explosives/day
6,312	total square feet blasted/phase
1,335	maxmimum square feet blasted/day

Emissions Calculations:

Pollutant	Source	Emission Factor	Units	Maximum Daily (lbs/day)	Annual (lbs/year)	Annual (ton/year)
ROG	1	N/A	lb/ton	—	—	—
NOx	1	17	lb/ton	140.25	663.39	0.33
CO	1	67	lb/ton	552.75	2,614.54	1.31
SOx	1	2	lb/ton	16.50	78.05	0.04
PM_{10}	2	—	lb/blast	0.35	3.65	0.00
$PM_{2.5}$	2	—	lb/blast	0.02	0.21	0.00

Source/Reference:

1. AP-42, Section 13.3, Table 13.3-1 for ANFO.
2. AP-42, Section 11.9, Table 11.9-1.

$PM_{10} = 0.52 \times 0.000014 \times (A)^{1.5}$, where A is the horizontal area blasted.

$PM_{2.5} = 0.03 \times 0.000014 \times (A)^{1.5}$, where A is the horizontal area blasted.

Notes:

lb = pounds

Proctor Valley EIR
Blasting Emissions
JSP Central

Anticipated blasting activities is assumed to include the following:

Assumptions:

15,000	cubic yard/blast
1	blast/day
8.25	ton explosives/per 15,000 CY blast (maximum blast)
11.24	feet average depth

Project Phase Estimates:

1,918,440	total cubic yard/phase
127.9	total blasts
1,055.14	total ton explosives/phase
8.25	maximum ton explosives/day
170,680	total square feet blasted/phase
1,335	maxmimum square feet blasted/day

Emissions Calculations:

Pollutant	Source	Emission Factor	Units	Maximum Daily (lbs/day)	Annual (lbs/year)	Annual (ton/year)
ROG	1	N/A	lb/ton	—	—	—
NOx	1	17	lb/ton	140.25	17,937.41	8.97
CO	1	67	lb/ton	552.75	70,694.51	35.35
SOx	1	2	lb/ton	16.50	2,110.28	1.06
PM_{10}	2	—	lb/blast	0.35	513.34	0.26
$PM_{2.5}$	2	—	lb/blast	0.02	29.62	0.01

Source/Reference:

1. AP-42, Section 13.3, Table 13.3-1 for ANFO.
2. AP-42, Section 11.9, Table 11.9-1.

$PM_{10} = 0.52 \times 0.000014 \times (A)^{1.5}$, where A is the horizontal area blasted.

$PM_{2.5} = 0.03 \times 0.000014 \times (A)^{1.5}$, where A is the horizontal area blasted.

Notes:

lb = pounds

Proctor Valley EIR
Blasting Emissions
JSP North

Anticipated blasting activities is assumed to include the following:

Assumptions:

15,000	cubic yard/blast
1	blast/day
8.25	ton explosives/per 15,000 CY blast (maximum blast)
11.24	feet average depth

Project Phase Estimates:

269,712	total cubic yard/phase
18.0	total blasts
148.34	total ton explosives/phase
8.25	maximum ton explosives/day
23,996	total square feet blasted/phase
1,335	maxmimum square feet blasted/day

Emissions Calculations:

Pollutant	Source	Emission Factor	Units	Maximum Daily (lbs/day)	Annual (lbs/year)	Annual (ton/year)
ROG	1	N/A	lb/ton	—	—	—
NOx	1	17	lb/ton	140.25	2,521.81	1.26
CO	1	67	lb/ton	552.75	9,938.89	4.97
SOx	1	2	lb/ton	16.50	296.68	0.15
PM_{10}	2	—	lb/blast	0.35	27.06	0.01
$PM_{2.5}$	2	—	lb/blast	0.02	1.56	0.00

Source/Reference:

1. AP-42, Section 13.3, Table 13.3-1 for ANFO.
2. AP-42, Section 11.9, Table 11.9-1.

$PM_{10} = 0.52 \times 0.000014 \times (A)^{1.5}$, where A is the horizontal area blasted.

$PM_{2.5} = 0.03 \times 0.000014 \times (A)^{1.5}$, where A is the horizontal area blasted.

Notes:

lb = pounds

Proctor Valley EIR
Rock Crusher Emissions

Equation:

Drop Operations Formula

$EF(PM) = (k*0.0032)*(U/5)^{1.3}/(M/2)^{1.4}$

$k\ (PM_{10})$ =	0.35	
$k\ (PM_{2.5})$ =	0.053	
U =	2.98	mph
M =	3	%
$EF\ PM_{10}$ =	0.000323	
$EF\ PM_{10}$ =	0.000049	

Where:

EF = emission factor (pounds per ton)

k =particle size multiplier (dimensionsless)

U = mean wind speed, meters per second (m/s) (miles per hour (mph))

M = material moisture content (%)

Reference:

AP42 Section 13.2.4.3 - Predictive Emission Factor Equations

Assumptions:

Production Rate Information

3,769	cubic yard/day
1.3	tons/cubic yard
4,900	ton/day

Emissions Calculations:

Equipment Type	Throughput	PM_{10}		$PM_{2.5}$		
	Tons/day	Emission Factor (lb/ton)	Daily (lb/day)	Emission Factor (lb/ton)	Daily (lb/day)	Daily (lb/hour)
Hopper Loading	4,900	0.000323	1.58	0.000049	0.240	1.00E-02
Primary Crusher	4,900	0.00054	2.65	0.0001	0.490	2.04E-02
Conveyor Transfer	4,900	0.000046	0.23	0.000013	0.064	2.65E-03
Screen 1	4,900	0.00074	3.63	0.00005	0.245	1.02E-02
Conveyor Transfer	1,470	0.000046	0.07	0.000013	0.019	7.96E-04
Conveyor Transfer to Pile	1,470	0.000323	0.47	0.000049	0.072	2.65E-03
Conveyor Transfer	3,430	0.000046	0.16	0.000013	0.045	1.02E-02
Secondary Crusher	3,430	0.00054	1.85	0.000100	0.343	1.43E-02
Conveyor Transfer	3,430	0.000046	0.16	0.000013	0.045	1.86E-03
Screen 2	3,430	0.00074	2.54	0.00005	0.172	1.02E-02
Conveyor Transfer	3,430	0.000046	0.16	0.000013	0.045	7.96E-04
Conveyor Transfer to Pile	3,430	0.000323	1.11	0.000049	0.168	3.00E-03
Total Rock Crushing			***14.59***		***1.95***	***2.09***

PV Rd North

No. of Rock Crushing Facilities 1

	PM_{10}	$PM_{2.5}$
Total Rock Crushing	14.59	1.95

JSP South

No. of Rock Crushing Facilities 1

	PM_{10}	$PM_{2.5}$
Total Rock Crushing	14.59	1.95

JSP Central

No. of Rock Crushing Facilities 3

	PM_{10}	$PM_{2.5}$
Total Rock Crushing	43.78	5.84

JSP North

No. of Rock Crushing Facilities 1

	PM_{10}	$PM_{2.5}$
Total Rock Crushing	14.59	1.95

JSP PA 16/19

No. of Rock Crushing Facilities 2

	PM_{10}	$PM_{2.5}$
Total Rock Crushing	29.19	3.89

References/Notes:

Emission Factors from AP-42, Section 11.19.2 (Crushed Stone Processing), Table 11.19.2-2 (controlled factors).

Emission Factor for drop operation (conveyor to product pile) from AP-42, Section 13.2.4 (Aggregate Handling and Storage Piles), Equation 1. Wind speed is obtained from mean of Escondido 2010-2012 meteorlogical data. Moisture content is assumed to be 3%.

Proctor Valley
Rock Crushing Operation
Diesel Engine-Generator Emissions - Unmitigated

Emission Factors								
Year	2019							
Engine Rating	750	kW						
	1000	HP						
HP Bin - Low HP	1001							
HP Bin - High HP	9999							
LF	0.74							
	ROG	**NOx**	**CO**	**SOx**	**PM10**	**PM2.5**	**CO2**	**CH4**
CalEEMod Emission Factor	0.261	3.829	1.103	0.005	0.087	0.087	568.299	0.023
Fuel Correction Factor	*0.72*	*0.948*			*0.852*	*0.852*		
Emission Factor for Engine (adjusted for Load Factor and Fuel Correction Factor)	0.139	2.686	0.816	0.004	0.055	0.055	420.541	0.017

Notes:
Emissions calculated using factors derived from CalEEMod for 1000 HP generator operating in 2019 based on the 1001-9999 HP range because CalEEMod does not have emission factors for HP 751-1000.

PV Rd North

Assumptions:

No. of Units	3	
Daily Operating Schedule	8.0	hr/day
Operating Days	10	days/yr

Emissions Calculations:

	VOC	**NOx**	**CO**	**SOx**	**PM10**	**PM2.5**	**CO2**	**CH4**
gm/BHP-hr	0.139	2.686	0.816	0.004	0.055	0.055	420.541	0.017
lb/day	7.36	142.12	43.19	0.20	2.90	2.90	22250.86	0.90
ton/year	0.04	0.71	0.22	0.00	0.01	0.01	111.25	0.00
metric ton/yr							100.93	0.00

Proctor Valley
Rock Crushing Operation
Diesel Engine-Generator Emissions - Unmitigated

JSP South

Assumptions:

No. of Units	2	
Daily Operating Schedule	8.0	hr/day
Operating Days	20	days/yr

Emissions Calculations:

	VOC	NOx	CO	SOx	PM10	PM2.5	CO2	CH4
gm/BHP-hr	0.139	2.686	0.816	0.004	0.055	0.055	420.541	0.017
lb/day	4.91	94.75	28.79	0.13	1.93	1.93	14833.91	0.60
ton/year	0.05	0.95	0.29	0.00	0.02	0.02	148.34	0.01
metric ton/yr							134.57	0.01

JSP Central

Assumptions:

No. of Units	2	
Daily Operating Schedule	8.0	hr/day
Operating Days 2020	20	days/yr
Operating Days 2021	58	days/yr

Emissions Calculations:

	VOC	NOx	CO	SOx	PM10	PM2.5	CO2	CH4
gm/BHP-hr	0.139	2.686	0.816	0.004	0.055	0.055	420.541	0.017
lb/day	4.91	94.75	28.79	0.13	1.93	1.93	14833.91	0.60
ton/year 2020	0.05	0.95	0.29	0.00	0.02	0.02	148.34	0.01
metric ton/yr 2020							134.57	0.01
ton/year 2020	0.14	2.75	0.83	0.00	0.06	0.06	430.18	0.02
metric ton/yr 2020							390.26	0.02

Proctor Valley
Rock Crushing Operation
Diesel Engine-Generator Emissions - Unmitigated

JSP North

Assumptions:

No. of Units	2	
Daily Operating Schedule	8.0	hr/day
Operating Days	70	days/yr

Emissions Calculations:

	VOC	NOx	CO	SOx	PM10	PM2.5	CO2	CH4
gm/BHP-hr	0.139	2.686	0.816	0.004	0.055	0.055	420.541	0.017
lb/day	4.91	94.75	28.79	0.13	1.93	1.93	14833.91	0.60
ton/year	0.17	3.32	1.01	0.00	0.07	0.07	519.19	0.02
metric ton/yr							471.00	0.01

Proctor Valley
Rock Crushing Operation
Diesel Engine-Generator Emissions - Unmitigated

JSP PA 16/19

Assumptions:

No. of Units	2	
Daily Operating Schedule	8.0	hr/day
Operating Days	110	days/yr

Emissions Calculations:

	VOC	NOx	CO	SOx	PM10	PM2.5	CO2	CH4
gm/BHP-hr	0.037	0.711	0.216	0.001	0.015	0.015	111.254	0.005
lb/day	1.30	25.07	7.62	0.03	0.51	0.51	3924.31	0.16
ton/year	0.05	0.88	0.27	0.00	0.02	0.02	137.35	0.01
metric ton/yr							124.60	0.00

Proctor Valley
Rock Crushing Operation
Diesel Engine-Generator Emissions - Mitigated

Emission Factors								
Year	2019							
Engine Rating	750 kW							
	1000 HP							
HP Bin - Low HP	1001							
HP Bin - High HP	9999							
LF	0.74							
	ROG	**NOx**	**CO**	**SOx**	**PM10**	**PM2.5**	**CO2**	**CH4**
CalEEMod Emission Factor	0.060	2.240	2.600	0.005	0.016	0.016	568.299	0.025
Fuel Correction Factor	*0.72*	*0.948*			*0.852*	*0.852*		
Emission Factor for Engine (adjusted for Load Factor and Fuel Correction Factor)	0.032	1.571	1.924	0.004	0.010	0.010	420.541	0.019

Notes:
Emissions calculated using factors derived from CalEEMod for 1000 HP generator operating in 2019 based on the 1001-9999 HP range because CalEEMod does not have emission factors for HP 751-1000.

PV Rd North

Assumptions:

No. of Units	3	
Daily Operating Schedule	8.0	hr/day
Operating Days	10	days/yr

Emissions Calculations:

	VOC	**NOx**	**CO**	**SOx**	**PM10**	**PM2.5**	**CO2**	**CH4**
gm/BHP-hr	0.032	1.571	1.924	0.004	0.010	0.010	420.541	0.019
lb/day	1.69	83.14	101.80	0.20	0.53	0.53	22250.86	0.98
ton/year	0.01	0.42	0.51	0.00	0.00	0.00	111.25	0.00
metric ton/yr							100.93	0.00

Proctor Valley
Rock Crushing Operation
Diesel Engine-Generator Emissions - Mitigated

JSP South

Assumptions:

No. of Units	2	
Daily Operating Schedule	8.0	hr/day
Operating Days	20	days/yr

Emissions Calculations:

	VOC	NOx	CO	SOx	PM10	PM2.5	CO2	CH4
gm/BHP-hr	0.032	1.571	1.924	0.004	0.010	0.010	420.541	0.019
lb/day	1.13	55.43	67.87	0.13	0.36	0.36	14833.91	0.65
ton/year	0.01	0.55	0.68	0.00	0.00	0.00	148.34	0.01
metric ton/yr							134.57	0.01

JSP Central

Assumptions:

No. of Units	2	
Daily Operating Schedule	8.0	hr/day
Operating Days 2020	20	days/yr
Operating Days 2021	58	days/yr

Emissions Calculations:

	VOC	NOx	CO	SOx	PM10	PM2.5	CO2	CH4
gm/BHP-hr	0.032	1.571	1.924	0.004	0.010	0.010	420.541	0.019
lb/day	1.13	55.43	67.87	0.13	0.36	0.36	14833.91	0.65
ton/year 2020	0.01	0.55	0.68	0.00	0.00	0.00	148.34	0.01
metric ton/yr 2020							134.57	0.01
ton/year 2020	0.03	1.61	1.97	0.00	0.01	0.01	430.18	0.02
metric ton/yr 2020							390.26	0.02

Proctor Valley
Rock Crushing Operation
Diesel Engine-Generator Emissions - Mitigated

JSP North

Assumptions:

No. of Units	2	
Daily Operating Schedule	8.0	hr/day
Operating Days	70	days/yr

Emissions Calculations:

	VOC	NOx	CO	SOx	PM10	PM2.5	CO2	CH4
gm/BHP-hr	0.032	1.571	1.924	0.004	0.010	0.010	420.541	0.019
lb/day	1.13	55.43	67.87	0.13	0.36	0.36	14833.91	0.65
ton/year	0.04	1.94	2.38	0.00	0.01	0.01	519.19	0.02
metric ton/yr							471.00	0.01

Proctor Valley
Rock Crushing Operation
Diesel Engine-Generator Emissions - Mitigated

JSP PA 16/19

Assumptions:

No. of Units	2	
Daily Operating Schedule	8.0	hr/day
Operating Days	110	days/yr

Emissions Calculations:

	VOC	NOx	CO	SOx	PM10	PM2.5	CO2	CH4
gm/BHP-hr	0.008	0.416	0.509	0.001	0.003	0.003	111.254	0.005
lb/day	0.30	14.66	17.95	0.03	0.09	0.09	3924.31	0.17
ton/year	0.01	0.51	0.63	0.00	0.00	0.00	137.35	0.01
metric ton/yr							124.60	0.00

APPENDIX C

Carbon Monoxide Hotspot Analysis

County San Diego Guidance

The County's Guidance states the following:

"CO emissions are the result of the combustion process and therefore primarily associated with mobile source emissions (vehicles). CO concentrations tend to be higher in urban areas where there are many mobile-source emissions. CO "hotspots" or pockets where the CO concentration exceeds the NAAQS and/or CAAQS, have been found to occur only at signalized intersections that operate at or below level of service (LOS) E with peak-hour trips for that intersection exceeding 3,000 trips[1]. Therefore, any project that would place receptors within 500 feet of a signalized intersection operating at or below LOS E (peak-hour trips exceeding 3,000 trips) must conduct a "hotspot" analysis for CO. Likewise, projects that will cause road intersections to operate at or below a LOS E (with intersection peak-hour trips exceeding 3,000) will also have to conduct a CO "hotspot" analysis."

For the cumulative impact analysis, the County's Guidance states:

"The following guidelines for determining significance must be used for determining the cumulatively considerable net increase during the operational phase:

- Projects that cause road intersections to operate at or below level of service E (analysis required only when the addition of peak-hour trips from the proposed project and the surrounding projects exceeds 2,000) ***and*** create a CO hotspot create a cumulatively considerable net increase of CO." [emphasis added]

[1] Based on Table 5.4 Project Related CO Concentration Levels of the Sacramento Metropolitan Air Quality Management District Guide to Air Quality Assessment.

Existing Conditions

Under the Existing Conditions scenario, all key study intersections currently operate at LOS D or better, with the exception of the SR-94 / Lyons Valley Road intersection which operates at LOS F during both the AM and PM peak hours; however, the peak-hour trips at this intersection (1,296 AM peak hour trips and 1,349 PM peak hour trips) do not exceed the screening level of 3,000 vehicle trips.

Table 1 presents Peak Hour Intersection LOS Results – Existing Plus Project Buildout Conditions.

Table 1
Peak Hour Intersection LOS Results – Existing Plus Project Buildout Conditions

#	Intersection	Control	Existing + Project				Existing		Impact Criteria by Jurisdiction			Candidate for CO Hotspots Analysis?
			AM Peak Hour		PM Peak Hour		Avg. Delay (sec.)	LOS	Caltrans/ San Diego	Chula Vista	County	
			Avg. Delay (sec.)	LOS	Avg. Delay (sec.)	LOS	AM/PM	AM/PM	AM/PM	AM/PM	AM/PM	
1	SR-94 & Lyons Valley Road	SSSC	**86.8**	**F**	**82.8**	**F**	**81.5 / 79.7**	**F / F**	**5.3 / 3.1**			**Yes**
2	Proctor Valley Road/Jefferson Road & SR-94	Signal	10.8	B	10.2	B	10.6 / 10.0	B / B	0.2 / 0.2			No
3	Proctor Valley Road & Maxfield Road	SSSC	9.0	A	9.1	A	9.0 / 9.0	A / A				No
4	Proctor Valley Road & Melody Road	SSSC	8.6	A	8.5	A	8.4 / 8.4	A / A				No
5	SR-94 & Melody Road	SSSC	13.6	B	18.1	C	13.6 / 18.1	B / C	0.0 / 0.0			No
6	San Miguel Ranch Road & SR-125 SB Ramps	Signal	21.8	C	18.9	B	21.7 / 18.8	C / B		11.6% / 10.4%		No
7	San Miguel Ranch Road & SR-125 NB Ramp	Signal	16.9	B	13.5	B	16.7 / 13.3	B / B		8.8% / 10.0%		No
8	I-805 SB Ramp & East H Street	Signal	8.2	A	10.1	B	7.8 / 9.7	A / A		0.9% / 0.7%		No
9	I-805 NB Ramp & East H Street	Signal	10.0	A	12.0	B	9.8 / 11.4	A / B		1.8% / 2.0%		No
10	Terra Nova Drive & East H Street	Signal	13.9	B	12.0	B	13.0 / 11.0	B / B		3.0% / 3.5%		No

Table 1
Peak Hour Intersection LOS Results – Existing Plus Project Buildout Conditions

#	Intersection	Control	Existing + Project				Existing		Impact Criteria by Jurisdiction			Candidate for CO Hotspots Analysis?
			AM Peak Hour		PM Peak Hour		Avg. Delay (sec.)	LOS	Caltrans/ San Diego	Chula Vista	County	
			Avg. Delay (sec.)	LOS	Avg. Delay (sec.)	LOS	AM/PM	AM/PM	AM/PM	AM/PM	AM/PM	
11	Del Rey Boulevard & East H Street	Signal	11.6	B	8.7	A	11.1 / 8.5	B / A		3.2% / 3.7%		No
12	Paseo Del Rey & East H Street	Signal	20.8	C	28.5	C	19.9 / 25.7	B / C		3.5% / 3.8%		No
13	Paseo Ranchero & East H Street	Signal	51.7	D	48.2	D	50.8 / 42.6	D / D		3.5% / 4.4%		No
14	Otay Lakes Road & East H Street	Signal	42.6	D	33.4	C	37.2 / 29.2	D / C		4.7% / 5.7%		No
15	SR-125 SB Ramp & East H Street	Signal	5.5	A	6.9	A	5.0 / 6.1	A / A		13.4% / 17.7%		No
16	SR-125 NB Ramp & Proctor Valley Road	Signal	3.3	A	4.1	A	3.4 / 4.0	A / A		15.1% / 20.4%		No
17	Mt Miguel Road & Proctor Valley Road	Signal	33.8	C	28.3	C	23.7 / 20.3	C / C		15.5% / 20.2%		No
18	Lane Avenue & Proctor Valley Road	Signal	27.2	C	40.2	D	16.8 / 23.0	B / C		24.0% / 30.2%		No
19	Hunte Parkway & Proctor Valley Road	Signal	33.6	C	16.2	B	18.9 / 13.6	B / B		29.7% / 48.8%		No
20	Agua Vista Drive / Northwoods Drive & Proctor Valley Road	AWSC	**55.4**	**F**	**40.2**	**E**	**8.6 / 8.4**	**A / A**		**72.2% / 80.6%**		**Yes**
21	East Lake Parkway & Fenton Street	Signal	18.8	B	33.1	C	18.2 / 31.4	B / C		1.8% / 1.4%		No
22	Lane Avenue & Fenton Street	Signal	18.3	B	27.3	C	17.8 / 24.9	B / C		4.2% / 3.5%		No
23	Heritage Road/Paseo Ranchero & Telegraph Canyon Road	Signal	46.6	D	25.4	C	45.4 / 24.9	D / C		0.7% / 1.1%		No
24	La Media Road & Telegraph Canyon Road / Otay Lakes Road	Signal	27.6	C	27.2	C	27.1 / 26.8	C / C		0.6% / 0.7%		No
25	SR-125 SB Ramps & Otay Lakes Road	Signal	9.6	A	11.0	B	9.6 / 10.9	A / B		0.0% / 0.3%		No

Table 1
Peak Hour Intersection LOS Results – Existing Plus Project Buildout Conditions

#	Intersection	Control	Existing + Project				Existing		Impact Criteria by Jurisdiction			Candidate for CO Hotspots Analysis?
			AM Peak Hour		PM Peak Hour		Avg. Delay (sec.)	LOS	Caltrans/ San Diego	Chula Vista	County	
			Avg. Delay (sec.)	LOS	Avg. Delay (sec.)	LOS	AM/PM	AM/PM	AM/PM	AM/PM	AM/PM	
26	SR-125 NB Ramps & Otay Lakes Road	Signal	8.4	A	8.8	A	8.4 / 8.8	A / A		0.0% / 0.3%		No
27	East Lake Parkway & Otay Lakes Road	Signal	32.2	C	33.1	C	31.9 / 32.6	C / C		1.4% / 1.2%		No
28	Lane Avenue & Otay Lakes Road	Signal	11.5	B	35.6	D	11.3 / 25.4	B / C		2.2% / 2.6%		No
29	Fenton Street & Otay Lakes Road	Signal	8.9	A	9.8	A	8.8 / 9.0	A / A		4.8% / 5.7%		No
30	Hunte Parkway & Otay Lakes Road	Signal	26.1	C	18.5	B	23.1 / 17.2	C / B		5.7% / 8.7%		No
31	East Lake Parkway & Olympic Parkway	Signal	17.0	B	19.7	B	17.0 / 19.7	B / B		0.7% / 0.7%		No
32	Hunte Parkway & Olympic Parkway	Signal	16.0	B	14.3	B	15.8 / 13.9	B / B		4.3% / 5.6%		No
33	East Lake Parkway & Hunte Parkway	Signal	Does Not Exist				Does Not Exist			-		No
34	Proctor Valley Road & Project Driveway #1	RA	8.6	A	16.7	C	Does Not Exist					No
35	Proctor Valley Road & Project Driveway #2	SSSC	9.7	A	13.2	B	Does Not Exist					No
36	Proctor Valley Road & Project Driveway #3	RA	6.5	A	9.7	A	Does Not Exist					No
37	Proctor Valley Road & Project Driveway #4	RA	5.2	A	7.2	A	Does Not Exist					No
38	Proctor Valley Road & Project Driveway #5	RA	4.3	A	4.8	A	Does Not Exist					No
39	Proctor Valley Road & Project Driveway #6	SSSC	9.0	A	9.0	A	Does Not Exist					No
40	Proctor Valley Road & Project Driveway #7	SSSC	9.6	A	9.8	A	Does Not Exist					No
41	Proctor Valley Road & Project Driveway #8	RA	3.8	A	4.0	A	Does Not Exist					No

Source: Proctor Valley Village 14 and Preserve Specific Plan Traffic Impact Study, Table 5.1 Peak Hour Intersection LOS Results – Existing Plus Project Buildout Conditions (Chen Ryan 2017)
Notes:

SSSC: Side street stop control
AWSC: All-way stop controlled intersection.
RA: Roundabout.

Existing Plus Project Buildout Conditions

Under the Existing Plus Project Buildout Conditions scenario, all key study intersections are projected to operate at LOS D or better with the exception of the SR-94 / Lyons Valley Road (LOS F during the AM and PM Peak hours) and Agua Vista Drive / Northwoods Drive and Proctor Valley Road (LOS F during the AM and LOS E during the PM hours). To mitigate direct impacts, the TIS identified required mitigation for the SR-94 / Lyons Valley Road intersection, which includes signalization by the 741th EDU. Although the signalization mitigation would improve LOS to acceptable levels, this intersection is a Caltrans facility and the County does not have jurisdiction to permit or implement improvements; therefore, mitigation was determined to be is infeasible. However, the trip volume at this intersection was estimated to be 1,316 trips per hour in the AM and 1,375 trips per hour in the PM, which would not exceed the County's screening criteria. For the Agua Vista Drive / Northwoods Drive and Proctor Valley Road intersection, a similar situation exists where signalization is feasible, but the intersection is within the City of Chula Vista and the County does not have jurisdiction. The trip volume was estimated to be 1,285 trips per hour in the AM and 1,497 trips per hour in the PM, which would not exceed the County's screening criteria.

Table 2 presents Peak Hour Intersection LOS Results – Year 2025 Cumulative Conditions.

Table 2
Peak Hour Intersection LOS Results – Year 2025 Cumulative Conditions

Intersection	Control	Year 2025		Impact Criteria by Jurisdiction			Candidate for CO Hotspots Analysis
		AM Peak Hour	PM Peak Hour	Caltrans/ San Diego Change in Delay (seconds)	Chula Vista (Project % of Entering Volume)	County	

			Avg. Delay (sec.)	LOS	Avg. Delay (sec.)	LOS	AM/PM	AM/PM	AM/PM	
1	SR-94 & Lyons Valley Road	SSSC	**>500**	**F**	**>500**	**F**	**-**			**Yes**
2	Proctor Valley Road/Jefferson Road & SR-94	Signal	21.9	C	37.3	D	N/A			No
3	Proctor Valley Road & Maxfield Road	SSSC	12.2	B	13.3	B	N/A			No
4	Proctor Valley Road & Melody Road	SSSC	8.7	A	9.1	A	N/A			No
5	SR-94 & Melody Road	Signal	11.4	B	11.2	B	N/A			No
6	San Miguel Ranch Road & SR-125 SB Ramps	Signal	22.1	C	19.3	B		8.9% / 8.1%		No
7	San Miguel Ranch Road & SR-125 NB Ramp	Signal	17.4	B	14.8	B		6.8% / 7.8%		No
8	I-805 SB Ramp & East H Street	Signal	9.7	A	13.1	B		0.6% / 0.5%		No
9	I-805 NB Ramp & East H Street	Signal	10.2	B	13.8	B		1.8% / 1.9%		No
10	Terra Nova Drive & East H Street	Signal	14.4	B	17.0	B		1.7% / 2.1%		No
11	Del Rey Boulevard & East H Street	Signal	13.2	B	9.3	A		1.9% / 2.2%		No
12	Paseo Del Rey & East H Street	Signal	20.9	C	29.5	C		2.0% / 2.3%		No
13	Paseo Ranchero & East H Street	Signal	52.1	D	49.0	D		2.1% / 2.8%		No
14	Otay Lakes Road & East H Street	Signal	38.4	D	41.6	D		2.7% / 3.4%		No
15	SR-125 SB Ramp & East H Street	Signal	6.2	A	7.4	A		8.6% / 11.6%		No
16	SR-125 NB Ramp & Proctor Valley Road	Signal	3.8	A	5.3	A		9.9% / 13.6%		No
17	Mt Miguel Road & Proctor Valley Road	Signal	38.0	D	30.3	C		8.9% / 13.4%		No
18	Lane Avenue & Proctor Valley Road	Signal	31.2	C	36.7	D		13.3% / 17.4%		No
19	Hunte Parkway & Proctor Valley Road	Signal	26.8	C	21.9	C		16.1% / 24.3%		No
20	Agua Vista Drive / Northwoods Drive & Proctor Valley Road	AWSC	**57.2**	**F**	**44.6**	**E**		**35.4% / 43.1%**		**Yes**
21	East Lake Parkway & Fenton Street	Signal	25.3	C	44.3	D		1.7% / 1.5%		No

Table 2
Peak Hour Intersection LOS Results – Year 2025 Cumulative Conditions

	Intersection	Control	Year 2025				Impact Criteria by Jurisdiction			Candidate for CO Hotspots Analysis
			AM Peak Hour		PM Peak Hour		Caltrans/ San Diego Change in Delay (seconds)	Chula Vista (Project % of Entering Volume)	County	
			Avg. Delay (sec.)	LOS	Avg. Delay (sec.)	LOS	AM/PM	AM/PM	AM/PM	
22	Lane Avenue & Fenton Street	Signal	35.2	D	35.9	D		2.0% / 2.5%		No
23	Heritage Road/Paseo Ranchero & Telegraph Canyon Road	Signal	52.2	D	52.9	D		0.5% / 0.6%		No
24	La Media Road & Telegraph Canyon Road / Otay Lakes Road	Signal	47.0	D	53.6	D		0.3% / 0.4%		No
25	SR-125 SB Ramps & Otay Lakes Road	Signal	11.7	B	11.4	B		0.4% / 0.4%		No
26	SR-125 NB Ramps & Otay Lakes Road	Signal	9.2	A	12.5	B		0.3% / 0.4%		No
27	East Lake Parkway & Otay Lakes Road	Signal	41.9	D	49.5	D		1.0% / 1.1%		No
28	Lane Avenue & Otay Lakes Road	Signal	20.9	C	35.0	D		1.4% / 1.6%		No
29	Hunte Parkway & Otay Lakes Road	Signal	19.2	B	26.1	C		1.9% / 2.3%		No
30	Fenton Street & Otay Lakes Road	Signal	29.6	C	53.0	D		2.3% / 3.2%		No
31	East Lake Parkway & Olympic Parkway	Signal	27.3	C	33.4	C		0.1% / 0.1%		No
32	Hunte Parkway & Olympic Parkway	Signal	20.5	C	44.4	D		1.1% / 1.0%		No
33	East Lake Parkway & Hunte Parkway	Signal	29.8	C	30.1	C		0.8% / 1.1%		No
34	Proctor Valley Road & Project Driveway #1	RA	13.2	B	17.8	C			N/A	No
35	Proctor Valley Road & Project Driveway #2	SSSC	12	B	13.5	B			N/A	No

Table 2
Peak Hour Intersection LOS Results – Year 2025 Cumulative Conditions

	Intersection	Control	Year 2025				Impact Criteria by Jurisdiction			Candidate for CO Hotspots Analysis
			AM Peak Hour		PM Peak Hour		Caltrans/ San Diego Change in Delay (seconds)	Chula Vista (Project % of Entering Volume)	County	
			Avg. Delay (sec.)	LOS	Avg. Delay (sec.)	LOS	AM/PM	AM/PM	AM/PM	
36	Proctor Valley Road & Project Driveway #3	RA	17.3	C	10.4	B			N/A	No
37	Proctor Valley Road & Project Driveway #4	RA	10.1	B	8.4	A			N/A	No
38	Proctor Valley Road & Project Driveway #5	RA	7.0	A	6.9	A			N/A	No
39	Proctor Valley Road & Project Driveway #6	SSSC	12.0	B	10.5	B			N/A	No
40	Proctor Valley Road & Project Driveway #7	SSSC	13.0	B	11.1	B			N/A	No
41	Proctor Valley Road & Project Driveway #8	RA	3.8	A	6.3	A			N/A	No

Source: Proctor Valley Village 14 and Preserve Specific Plan Traffic Impact Study, Table 6.2 Peak Hour Intersection LOS Results – Year 2025 Cumulative Conditions (Chen Ryan 2017)
Notes:
SSSC: Side street stop control
AWSC: All-way stop controlled intersection.
RA: Roundabout.

Year 2025 Cumulative Conditions

Similar to the Existing Plus Project Buildout Conditions scenario, all key study intersections within the County are projected to operate at LOS D or better under Year 2025 Cumulative Conditions with the exception of the SR-94 / Lyons Valley Road (LOS F during the AM and PM Peak hours), Agua Vista Drive / Northwoods Drive & Proctor Valley Road (LOS F in AM and LOS E in PM), and signalization mitigation to reduce impacts at the intersections was determined to be infeasible. Peak hour trips at SR-94 / Lyons

Valley Road was above the screening criteria for cumulative conditions, at 2,280 trips per hour in AM and 2,140 trips per hour in the PM. The intersection at Agua Vista Drive / Northwoods Drive & Proctor Valley Road had peak hour trips of 1,758 in the AM and 1,942 in the PM and thus did not exceed the cumulative conditions screening threshold.

Table 3 presents Peak Hour Intersection LOS Results – Year 2030 Cumulative Conditions.

Table 3
Peak Hour Intersection LOS Results – Year 2030 Cumulative Conditions

#	Intersection	Year 2030 Cumulative				Impact Criteria by Jurisdiction			Candidate for CO Hotspots Analysis?
		AM Peak Hour		PM Peak Hour		Caltrans/ San Diego Change in Delay (seconds)	Chula Vista (Project % of Entering Volume)	County	
		Avg. Delay (sec.)	LOS	Avg. Delay (sec.)	LOS	AM/PM	AM/PM	AM/PM	
1	SR-94 & Lyons Valley Road	**>500**	**F**	**>500**	**F**	**-**			**Yes**
2	Proctor Valley Road/Jefferson Road & SR-94	37.5	D	41.8	D	N/A			No
3	Proctor Valley Road & Maxfield Road	13.1	B	11.2	B	N/A			No
4	Proctor Valley Road & Melody Road	8.8	A	9.4	A	N/A			No
5	SR-94 & Melody Road	14.0	B	18.3	B	N/A			No
6	San Miguel Ranch Road & SR-125 SB Ramps	22.0	C	19.5	B		10.8% / 8.5%		No
7	San Miguel Ranch Road & SR-125 NB Ramp	17.0	B	15.0	B		8.4% / 8.2%		No
8	I-805 SB Ramp & East H Street	13.4	B	13.4	B		1.0% / 0.8%		No
9	I-805 NB Ramp & East H Street	10.7	B	15.0	B		1.2% / 1.2%		No
10	Terra Nova Drive & East H Street	16.3	B	21.5	C		1.2% / 1.3%		No
11	Del Rey Boulevard East H Street	13.1	B	11.1	B		1.3% / 1.3%		No
12	Paseo Del Rey & East H Street	22.6	C	42.9	D		3.5% / 3.3%		No
13	Paseo Ranchero & East H Street	53.7	D	52.5	D		3.7% / 4.2%		No

Table 3
Peak Hour Intersection LOS Results – Year 2030 Cumulative Conditions

#	Intersection	Year 2030 Cumulative				Impact Criteria by Jurisdiction			
		AM Peak Hour		PM Peak Hour		Caltrans/ San Diego Change in Delay (seconds)	Chula Vista (Project % of Entering Volume)	County	Candidate for CO Hotspots Analysis?
		Avg. Delay (sec.)	LOS	Avg. Delay (sec.)	LOS	AM/PM	AM/PM	AM/PM	
14	Otay Lakes Road & East H Street	41.2	D	50.9	D		5.1% / 4.8%		No
15	SR-125 SB Ramp & East H Street	6.3	A	8.0	A		14.1% / 15.4%		No
16	SR-125 NB Ramp & Proctor Valley Road	3.9	A	6.3	A		15.5% / 18.3%		No
17	Mt Miguel Road & Proctor Valley Road	51.1	D	35.9	D		13.8% / 17.5%		No
18	Lane Avenue & Proctor Valley Road	43.3	D	46.3	D		21.6% / 21.8%		No
19	Hunte Parkway & Proctor Valley Road	23.5	C	33.0	C		27.2% / 28.9%		No
20	Agua Vista Drive / Northwoods Drive & Proctor Valley Road	**49.5**	**E**	**61.4**	**F**		49.7% / 51.3%		**Yes**
21	East Lake Parkway & Fenton Street	25.9	C	50.4	D		3.3% / 2.5%		No
22	Lane Avenue & Fenton Street	35.9	D	45.2	D		2.5% / 2.0%		No
23	Heritage Road/Paseo Ranchero & Telegraph Canyon Road	53.9	D	51.5	D		1.0% / 1.3%		No
24	La Media Road & Telegraph Canyon Road / Otay Lakes Road	49.2	D	53.8	D		0.5% / 0.6%		No
25	SR-125 SB Ramps & Otay Lakes Road	12.5	B	13.1	B		1.1% / 0.9%		No
26	SR-125 NB Ramps & Otay Lakes Road	9.8	A	20.4	C		1.4% / 1.6%		No
27	East Lake Parkway & Otay Lakes Road	48.2	D	51.8	D		1.3% / 1.4%		No
28	Lane Avenue & Otay Lakes Road	22.2	C	42.6	D		1.3% / 1.8%		No
29	Fenton Street & Otay Lakes Road	25.5	C	29.9	C		2.2% / 2.3%		No
30	Hunte Parkway & Otay Lakes Road	42.7	D	44.7	D		3.4% / 4.2%		No

Table 3
Peak Hour Intersection LOS Results – Year 2030 Cumulative Conditions

#	Intersection	Year 2030 Cumulative				Impact Criteria by Jurisdiction			
		AM Peak Hour		PM Peak Hour		Caltrans/ San Diego Change in Delay (seconds)	Chula Vista (Project % of Entering Volume)	County	Candidate for CO Hotspots Analysis?
		Avg. Delay (sec.)	LOS	Avg. Delay (sec.)	LOS	AM/PM	AM/PM	AM/PM	
31	East Lake Parkway & Olympic Parkway	28.5	C	34.1	C		0.5% / 0.4%		No
32	Hunte Parkway & Olympic Parkway	34.9	C	47.8	D		1.8% / 1.5%		No
33	East Lake Parkway & Hunte Parkway	51.9	D	44.9	D		1.1% / 1.2%		No
34	Proctor Valley Road & Project Driveway #1	24.0	C	27.7	D			N/A	No
35	Proctor Valley Road & Project Driveway #2	13.7	B	14.9	B			N/A	No
36	Proctor Valley Road & Project Driveway #3	26.8	D	13.8	B			N/A	No
37	Proctor Valley Road & Project Driveway #4	18.3	C	11.1	B			N/A	No
38	Proctor Valley Road & Project Driveway #5	13.7	B	8.4	A			N/A	No
39	Proctor Valley Road & Project Driveway #6	14.9	B	11.9	B			N/A	No
40	Proctor Valley Road & Project Driveway #7	20	C	12.6	B			N/A	No
41	Proctor Valley Road & Project Driveway #8	12.4	B	7.7	A			N/A	No

Source: Proctor Valley Village 14 and Preserve Specific Plan Traffic Impact Study, Table 7.1 Peak Hour Intersection LOS Results – Year 2030 Cumulative Conditions (Chen Ryan 2017)
Notes:
SSSC: Side street stop control
AWSC: All-way stop controlled intersection.
RA: Roundabout.

Year 2030 Cumulative Conditions

It is anticipated that under the Year 2030 Cumulative Conditions scenario, the Northwoods Drive / Agua Vista Drive and Proctor Valley Road intersection would operate at an unacceptable LOS (LOS E - AM Peak hour / LOS F - PM Peak hour). The SR-94 /

Lyons Valley Road, which operates at LOS F under Existing Conditions, would continue to operate at LOS F under this scenario. Mitigation requiring signalization was determined to mitigate the direct impact both intersections; however, these intersections are located within the City of Chula Vista and the County does not have the jurisdiction to permit or implement improvements. As such, mitigation would also be infeasible at buildout. For the SR-94 / Lyons Valley Road intersection, the peak hourly trips were 2,490 in the AM and 2,876 in the PM, which exceed the County's screening criteria. Similarly, for the Northwoods Drive / Agua Vista Drive and Proctor Valley Road intersection, the peak hourly trips were 2,177 in the AM and 2,439 in the PM, which also exceed the screening threshold.

Table 4 presents Peak Hour Intersection LOS Results – Year 2030 Cumulative Conditions With Full GDP/SRP Buildout.

Table 4
Peak Hour Intersection LOS Results – Year 2030 Cumulative Conditions With Full GDP/SRP Buildout

		Year 2030 Cumulative Conditions With Full GDP/SRP Buildout				Impact Criteria by Jurisdiction			
		AM Peak Hour		PM Peak Hour		Caltrans/ San Diego Change in Delay (seconds)	Chula Vista (Project % of Entering Volume)	County	Candidate for CO Hotspots Analysis?
#	Intersection	Avg. Delay (sec.)	LOS	Avg. Delay (sec.)	LOS	AM/PM	AM/PM	AM/PM	
1	SR-94 & Lyons Valley Road	**>500**	**F**	**>500**	**F**	**-**			**Yes**
2	Proctor Valley Road/Jefferson Road & SR-94	40.5	D	42.3	D	N/A			No
3	Proctor Valley Road & Maxfield Road	13.4	B	11.3	B	N/A			No
4	Proctor Valley Road & Melody Road	9.0	A	9.7	A	N/A			No
5	SR-94 & Melody Road	14.6	B	18.9	B	N/A			No
6	San Miguel Ranch Road & SR-125 SB Ramps	22.1	C	20.0	B		10.7% / 8.4%		No
7	San Miguel Ranch Road & SR-125 NB Ramp	16.8	B	14.6	B		8.3% / 8.1%		No
8	I-805 SB Ramp & East H Street	14.5	B	13.9	B		1.0% / 0.8%		No

Table 4
Peak Hour Intersection LOS Results – Year 2030 Cumulative Conditions With Full GDP/SRP Buildout

#	Intersection	Year 2030 Cumulative Conditions With Full GDP/SRP Buildout				Impact Criteria by Jurisdiction			Candidate for CO Hotspots Analysis?
		AM Peak Hour		PM Peak Hour		Caltrans/ San Diego Change in Delay (seconds)	Chula Vista (Project % of Entering Volume)	County	
		Avg. Delay (sec.)	LOS	Avg. Delay (sec.)	LOS	AM/PM	AM/PM	AM/PM	
9	I-805 NB Ramp & East H Street	10.9	B	16.9	B		1.2% / 1.2%		No
10	Terra Nova Drive & East H Street	20.0	C	25.1	C		1.2% / 1.3%		No
11	Del Rey Boulevard & East H Street	14.4	B	11.7	B		1.3% / 1.3%		No
12	Paseo Del Rey & East H Street	24.3	C	54.0	D		3.5% / 3.3%		No
13	Paseo Ranchero & East H Street	**61.6**	**E**	**57.6**	**E**		3.7% / 4.2%		**Yes**
14	Otay Lakes Road & East H Street	52.4	D	54.8	D		5.0% / 4.8%		No
15	SR-125 SB Ramp & East H Street	7.0	A	8.7	A		14.0% / 15.2%		No
16	SR-125 NB Ramp & Proctor Valley Road	3.9	A	7.4	A		15.3% / 18.1%		No
17	Mt Miguel Road & Proctor Valley Road	**81.6**	**F**	**66.2**	**E**		13.7% / 17.3%		**Yes**
18	Lane Avenue & Proctor Valley Road	**114.6**	**F**	**71.8**	**E**		21.4% / 21.6%		**Yes**
19	Hunte Parkway & Proctor Valley Road	54.0	D	53.3	D		26.9% / 28.6%		No
20	Agua Vista Drive / Northwoods Drive & Proctor Valley Road	**63.9**	**F**	**66.1**	**F**		**49.2% / 50.8%**		**Yes**
21	East Lake Parkway & Fenton Street	26.9	C	54.6	D		3.3% / 2.5%		No
22	Lane Avenue & Fenton Street	38.1	D	52.8	D		2.5% / 2.0%		No
23	Heritage Road/Paseo Ranchero & Telegraph Canyon Road	54.8	D	53.7	D		1.0% / 1.3%		No
24	La Media Road & Telegraph Canyon Road / Otay Lakes Road	49.5	D	55.0	D		0.5% / 0.6%		No

Table 4
Peak Hour Intersection LOS Results – Year 2030 Cumulative Conditions With Full GDP/SRP Buildout

#	Intersection	Year 2030 Cumulative Conditions With Full GDP/SRP Buildout				Impact Criteria by Jurisdiction			Candidate for CO Hotspots Analysis?
		AM Peak Hour		PM Peak Hour		Caltrans/ San Diego Change in Delay (seconds)	Chula Vista (Project % of Entering Volume)	County	
		Avg. Delay (sec.)	LOS	Avg. Delay (sec.)	LOS	AM/PM	AM/PM	AM/PM	
25	SR-125 SB Ramps & Otay Lakes Road	12.6	B	13.2	B		1.1% / 0.9%		No
26	SR-125 NB Ramps & Otay Lakes Road	10.0	A	21.5	C		1.4% / 1.6%		No
27	East Lake Parkway & Otay Lakes Road	48.8	D	53.1	D		1.3% / 1.4%		No
28	Lane Avenue & Otay Lakes Road	23.4	C	43.9	D		1.3% / 1.8%		No
29	Fenton Street & Otay Lakes Road	26.9	C	31.4	C		2.2% / 2.3%		No
30	Hunte Parkway & Otay Lakes Road	48.6	D	44.4	D		3.4% / 4.2%		No
31	East Lake Parkway & Olympic Parkway	28.6	C	34.1	C		0.5% / 0.4%		No
32	Hunte Parkway & Olympic Parkway	38.7	D	50.6	D		1.8% / 1.5%		No
33	East Lake Parkway & Hunte Parkway	52.8	D	45.8	D		1.1% / 1.2%		No
34	Proctor Valley Road & Project Driveway #1	187.0	**F**	>500	**F**				**Yes**
35	Proctor Valley Road & Project Driveway #2	18.5	C	48.0	**E**				**Yes**
36	Proctor Valley Road & Project Driveway #3	93.2	**F**	177.2	**F**				**Yes**
37	Proctor Valley Road & Project Driveway #4	66.9	**F**	143.8	**F**				**Yes**
38	Proctor Valley Road & Project Driveway #5	41.1	**E**	34.0	D				**Yes**
39	Proctor Valley Road & Project Driveway #6	20.8	C	12.5	B				No
40	Proctor Valley Road & Project Driveway #7	21.6	C	13.3	B				No
41	Proctor Valley Road & Project Driveway #8	13.9	B	8.4	A				No

Source: Proctor Valley Village 14 and Preserve Specific Plan Traffic Impact Study, Table 8.3 Peak Hour Intersection LOS Results – Year 2030 Cumulative Conditions With Full GDP/SRP Buildout (Chen Ryan 2017)
Notes:
SSSC: Side street stop control
AWSC: All-way stop controlled intersection.
RA: Roundabout.

Year 2030 Cumulative Conditions With Full GDP/SRP Buildout

It is anticipated that under the Year 2030 Cumulative Conditions With Full GDP/SRP Buildout scenario, the following intersections would operate at an unacceptable LOS: the SR-94 / Lyons Valley Road (LOS F - AM Peak hour / LOS F - PM Peak hour); the Paseo Ranchero & East H Street (LOS E in the AM and PM); Mt Miguel Road & Proctor Valley Road (LOS F in the AM and LOS E in the PM); Lane Avenue & Proctor Valley Road (LOS F in the AM and LOS E in the PM); Agua Vista Drive / Northwoods Drive & Proctor Valley Road (LOS F in the AM and PM); Proctor Valley Road & Project Driveway #1 (LOS F in the AM and PM); Proctor Valley Road & Project Driveway #2 (LOS E in the PM); Proctor Valley Road & Project Driveway #3 (LOS F in the AM and PM); Proctor Valley Road & Project Driveway #4 (LOS F in the AM and PM); and Proctor Valley Road & Project Driveway #5 (LOS E in the AM). The following are the peak hourly trips for the intersections with unacceptable LOS: SR-94 / Lyons Valley Road (2,510 in the AM and 2,906 in the PM); Paseo Ranchero & East H Street (5,724 in the AM and 5,936 in the PM); Mt Miguel Road & Proctor Valley Road (5,260 in the AM and 4,985 in the PM); Lane Avenue & Proctor Valley Road (4,488 in the AM and 5,036 in the PM); Agua Vista Drive / Northwoods Drive & Proctor Valley Road (3,023 in the AM and 3,569 in the PM); Proctor Valley Road & Project Driveway #1 (2,677 in the AM and 3,228 in the PM); Proctor Valley Road & Project Driveway #2 (2,440 in the AM and 2,954 in the PM); Proctor Valley Road & Project Driveway #3 (2,198 in the AM and 2,745 in the PM); Proctor Valley Road & Project Driveway #4 (2,049 in the AM and 2,551 in the PM); and Proctor Valley Road & Project Driveway #5 (1,894 in the AM and 1,954 in the PM). The only intersection that does not exceed the cumulative screening threshold is the Proctor Valley Road & Project Driveway #5.

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
JUNE 1989 VERSION
PAGE 1

JOB: Paseo Ranchero & E H St 2030
RUN: STANDARD RUN (WORST CASE ANGLE)
POLLUTANT: CO

I. SITE VARIABLES

U=	1.0 M/S	Z0=	10. CM	ALT=	140.8 (M)
BRG=	WORST CASE	VD=	0.0 CM/S		
CLAS=	7 (G)	VS=	0.0 CM/S		
MIXH=	1000. M	AMB=	2.0 PPM		
SIGTH=	10. DEGREES	TEMP=	5.1 DEGREE (C)		

II. LINK VARIABLES

LINK DESCRIPTION	LINK COORDINATES (FT) X1	Y1	X2	Y2	TYPE	VPH	EF (G/MI)	H (FT)	W (FT)
A. East H Stree	500	36	30	36	AG	360	2.7	0.0	33.0
B. East H Stree	500	18	-30	18	AG	1875	2.7	0.0	33.0
C. East H Stree	500	-12	-18	-12	AG	485	2.7	0.0	33.0
D. East H Stree	-30	18	-500	18	AG	2304	2.7	0.0	33.0
E. East H Stree	-500	-12	30	-12	AG	266	2.7	0.0	33.0
F. East H Stree	-500	-54	-18	-54	AG	1356	2.7	0.0	33.0
G. East H Stree	0	-36	500	-36	AG	120	2.7	0.0	33.0
H. East H Stree	12	-500	12	18	AG	1926	2.7	0.0	33.0
I. Paseo Ranche	30	-500	30	-12	AG	360	2.7	0.0	33.0
J. Paseo Ranche	42	-500	42	-36	AG	265	2.7	0.0	33.0
K. Paseo Ranche	30	-12	30	500	AG	329	2.7	0.0	33.0
L. Paseo Ranche	0	500	0	-36	AG	745	2.7	0.0	33.0
M. Paseo Ranche	-18	500	-18	-12	AG	100	2.7	0.0	33.0
N. Paseo Ranche	-30	500	-30	18	AG	210	2.7	0.0	33.0
O. Paseo Ranche	-18	-12	-18	-500	AG	210	2.7	0.0	33.0
P. Paseo Ranche	-500	-36	0	-36	AG	961	2.7	0.0	33.0

III. RECEPTOR LOCATIONS

RECEPTOR	COORDINATES (FT) X	Y	Z
1. SR1	-60	50	5.9
2. SR2	60	70	5.9
3. SR3	-50	-80	5.9
4. SR4	70	-70	5.9

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
JUNE 1989 VERSION
PAGE 2

JOB: Paseo Ranchero & E H St 2030
RUN: STANDARD RUN (WORST CASE ANGLE)
POLLUTANT: CO

IV. MODEL RESULTS (WORST CASE WIND ANGLE)

RECEPTOR	BRG (DEG)	PRED CONC (PPM)	CONC/LINK (PPM) A	B	C	D	E	F	G	H
1. SR1	162.	2.5	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.1
2. SR2	214.	2.5	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.1
3. SR3	40.	2.6	0.0	0.1	0.0	0.0	0.0	0.1	0.0	0.1
4. SR4	281.	2.6	0.0	0.0	0.0	0.1	0.0	0.1	0.0	0.1

RECEPTOR	CONC/LINK (PPM) I	J	K	L	M	N	O	P
1. SR1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2. SR2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3. SR3	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.1
4. SR4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
JUNE 1989 VERSION
PAGE 1

JOB: Proctor Valley Rd & Project Dwy2 2030
RUN: STANDARD RUN (WORST CASE ANGLE)
POLLUTANT: CO

I. SITE VARIABLES

U=	1.0 M/S	Z0=	10. CM	ALT=	180.4 (M)
BRG=	WORST CASE	VD=	0.0 CM/S		
CLAS=	7 (G)	VS=	0.0 CM/S		
MIXH=	1000. M	AMB=	2.0 PPM		
SIGTH=	10. DEGREES	TEMP=	5.1 DEGREE (C)		

II. LINK VARIABLES

LINK DESCRIPTION	LINK COORDINATES (FT) X1	Y1	X2	Y2	TYPE	VPH	EF (G/MI)	H (FT)	W (FT)
A. Project Dwy#	500	36	30	36	AG	58	2.7	0.0	33.0
B. Project Dwy#	-30	18	-500	18	AG	4	2.7	0.0	33.0
C. Proctor Vall	30	-500	30	-12	AG	1765	2.7	0.0	33.0
D. Proctor Vall	42	-500	42	-36	AG	58	2.7	0.0	33.0
E. Proctor Vall	30	-12	30	500	AG	1769	2.7	0.0	33.0
F. Proctor Vall	-18	500	-18	-12	AG	1127	2.7	0.0	33.0
G. Proctor Vall	-18	-12	-18	-500	AG	1127	2.7	0.0	33.0

III. RECEPTOR LOCATIONS

RECEPTOR	COORDINATES (FT) X	Y	Z
1. SR1	-60	50	5.9
2. SR2	60	70	5.9
3. SR3	-50	-20	5.9
4. SR4	70	-20	5.9

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
JUNE 1989 VERSION
PAGE 2

JOB: Proctor Valley Rd & Project Dwy2 2030
RUN: STANDARD RUN (WORST CASE ANGLE)
POLLUTANT: CO

IV. MODEL RESULTS (WORST CASE WIND ANGLE)

RECEPTOR	BRG (DEG)	PRED CONC (PPM)	CONC/LINK (PPM) A	B	C	D	E	F	G
1. SR1	161.	2.3	0.0	0.0	0.1	0.0	0.0	0.0	0.1
2. SR2	195.	2.4	0.0	0.0	0.2	0.0	0.1	0.0	0.1
3. SR3	162.	2.3	0.0	0.0	0.1	0.0	0.0	0.0	0.2
4. SR4	198.	2.3	0.0	0.0	0.2	0.0	0.0	0.0	0.1

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
JUNE 1989 VERSION
PAGE 1

JOB: SR94&Lyons Valley Rd 2030
RUN: STANDARD RUN (WORST CASE ANGLE)
POLLUTANT: CO

I. SITE VARIABLES

U=	1.0 M/S	Z0=	10. CM	ALT=	272.8 (M)
BRG=	WORST CASE	VD=	0.0 CM/S		
CLAS=	7 (G)	VS=	0.0 CM/S		
MIXH=	1000. M	AMB=	2.0 PPM		
SIGTH=	10. DEGREES	TEMP=	5.1 DEGREE (C)		

II. LINK VARIABLES

LINK DESCRIPTION	LINK COORDINATES (FT) X1	Y1	X2	Y2	TYPE	VPH	EF (G/MI)	H (FT)	W (FT)
A. Lyons Valley	500	36	30	36	AG	10	2.7	0.0	33.0
B. Lyons Valley	500	18	-30	18	AG	5	2.7	0.0	33.0
C. Lyons Valley	500	-12	-18	-12	AG	20	2.7	0.0	33.0
D. Lyons Valley	-30	18	-500	18	AG	459	2.7	0.0	33.0
E. Lyons Valley	-500	-12	30	-12	AG	74	2.7	0.0	33.0
F. Lyons Valley	-500	-54	-18	-54	AG	10	2.7	0.0	33.0
G. Lyons Valley	0	-36	500	-36	AG	205	2.7	0.0	33.0
H. Lyons Valley	12	-500	12	18	AG	55	2.7	0.0	33.0
I. SR94 NBLA	30	-500	30	-12	AG	25	2.7	0.0	33.0
J. SR94 NBTA	42	-500	42	-36	AG	864	2.7	0.0	33.0
K. SR94 NBRA	30	-12	30	500	AG	64	2.7	0.0	33.0
L. SR94 NBD	0	500	0	-36	AG	1079	2.7	0.0	33.0
M. SR94 SBLA	-18	500	-18	-12	AG	390	2.7	0.0	33.0
N. SR94 SBTA	-30	500	-30	18	AG	1219	2.7	0.0	33.0
O. SR94 SBRA	-18	-12	-18	-500	AG	20	2.7	0.0	33.0
P. SR94 SBD	-500	-36	0	-36	AG	1313	2.7	0.0	33.0

III. RECEPTOR LOCATIONS

RECEPTOR	COORDINATES (FT) X	Y	Z
1. SR1	-60	50	5.9
2. SR2	60	70	5.9
3. SR3	-50	-80	5.9
4. SR4	70	-70	5.9

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
JUNE 1989 VERSION
PAGE 2

JOB: SR94&Lyons Valley Rd 2030
RUN: STANDARD RUN (WORST CASE ANGLE)
POLLUTANT: CO

IV. MODEL RESULTS (WORST CASE WIND ANGLE)

RECEPTOR	BRG (DEG)	PRED CONC (PPM)	CONC/LINK (PPM) A	B	C	D	E	F	G	H
1. SR1	16.	2.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2. SR2	252.	2.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3. SR3	9.	2.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4. SR4	284.	2.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

RECEPTOR	CONC/LINK (PPM) I	J	K	L	M	N	O	P
1. SR1	0.0	0.0	0.0	0.1	0.1	0.2	0.0	0.0
2. SR2	0.0	0.0	0.0	0.1	0.0	0.1	0.0	0.1
3. SR3	0.0	0.0	0.0	0.1	0.1	0.1	0.0	0.1
4. SR4	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.2

APPENDIX D

AERMOD Output Files and Cancer Risk Estimates

Health Risk Assessment Report
for the
Otay Ranch Village 14 and Planning Areas 16 and 19
San Diego County, California

Prepared For:

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ACRONYMS AND ABBREVIATIONS

Acronym/Abbreviation	Definition
µg/m^3	micrograms per cubic meter
ADMRT	Air Dispersion Modeling and Risk Tool
AERMOD	American Meteorological Society/Environmental Protection Agency Regulatory Model
ASF	age sensitivity factor
BACT	Best Available Control Technology
CalEEMod	California Emissions Estimator Model
CARB	California Air Resources Board
CEQA	California Environmental Quality Act
County	County of San Diego
DBR	daily breathing rate
DPM	diesel particulate matter
EPA	U.S. Environmental Protection Agency
FAH	fraction of time at home
GDP/SRP	General Development Plan/Subregional Plan
HARP 2	Hotspots Analysis and Reporting Program
NO_x	Oxides of Nitrogen
OEHHA	Office of Environmental Health Hazard Assessment
$PM_{2.5}$	particulate matter with an aerodynamic diameter less than or equal to 2.5 microns
PM_{10}	particulate matter with an aerodynamic diameter less than or equal to 10 microns
REL	reference exposure level
SDAPCD	San Diego Air Pollution Control District
SF	square feet
TAC	toxic air contaminant
T-BACT	Toxics–Best Available Control Technology
UTM	Universal Transverse Mercator

EXECUTIVE SUMMARY

The Otay Ranch Village 14 and Planning Areas 16/19 (Proposed Project) is part of the overall Otay Ranch, an approximately 22,845-acre master-planned community in southern San Diego County (County) designed as a series of villages and planning areas. The Proposed Project is located within Otay Ranch Village 14 and Planning Areas 16/19 in the Proctor Valley area of Otay Ranch.

Otay Ranch Village 14 is planned around a centrally located "Village Core." The Village Core is composed of a 7.2-acre Village Green Park (public park), a 1.7-acre Mixed-Use Site with up to 10,000 square feet of commercial/retail uses, a 2.3-acre public safety site for a fire station and satellite sheriff's facility, and 9.7-acre elementary school site.[1] Additional public and private parks, swim clubs, trails, and recreational facilities would be situated throughout the three distinct areas of Village 14, referred to herein as South Village 14, Central Village 14, and North Village 14.

Approximately 994 homes will be located in South Village 14, Central Village 14, and North Village 14. Of this total, 878 will be single-family homes located in gated enclaves and 116 will be detached courtyard homes. Twelve neighborhoods are planned with approximate densities ranging from 0.2 to 10.0 dwelling units per acre. In addition to the homes in Village 14, there are 13 one-acre estate lots proposed in Planning Area 19 and 112 ranchettes averaging 3 acres in size located in Planning Area 16.

The dispersion modeling conducted for this assessment was performed using the U.S. Environmental Protection Agency (EPA)-approved dispersion model, American Meteorological Society/Environmental Protection Agency Regulatory Model (AERMOD) in conjunction with the Hotspots Analysis and Reporting Program Version 2 (HARP 2). HARP 2 has been developed by the California Air Resources Board (CARB) as a tool to implement the risk assessments and incorporates all the requirements provided by the Office of Environmental Health Hazard Assessment (OEHHA) as outlined in the *Air Toxics Hot Spot Program Risk Assessment Guidelines – Guidance Manual for Preparation of Health Risk Assessments* (OEHHA 2015). This health risk assessment (HRA) follows the 2015 OEHHA Guidelines and the San Diego Air Pollution Control District (SDAPCD) *Supplemental Guidelines for Submission of Air Toxics 'Hot Spots' Program Health Risk Assessments* (SDAPCD 2015).

[1] The school may instead be developed as 97 residential units, which was utilized in this analysis due to the higher trip rates associated with housing to reflect a conservative estimate of criteria air pollutant emissions and potential impacts.

Impacts related to cancer risk and chronic hazard from diesel particulate matter (DPM), which is a toxic air contaminant (TAC), would be below the SDAPCD's thresholds during construction activities; therefore, impacts would be **less than significant**.

No long-term sources of TAC emissions are anticipated during operation of the Proposed Project because the Proposed Project would only include residential units, commercial land uses, a school, parks, and Preserve land; the Proposed Project would not include heavy industrial uses or other land uses typically associated with stationary sources and TACs. Additionally, the Proposed Project would not be located next to a major source of TAC or high-volume roadway. As such, the Proposed Project would not result in substantial TAC emissions that may affect nearby receptors, nor would the Proposed Project be exposed to nearby sources of TACs. This impact would be **less than significant**.

1 INTRODUCTION

1.1 Report Purpose and Scope

In support of the air quality and greenhouse gas (GHG) emissions analysis technical report preparation, Dudek prepared a health risk assessment (HRA) to estimate health risk impacts from construction of the Otay Ranch Village 14 and Planning Areas 16/19 (Proposed Project). The analysis presented uses air dispersion modeling methodology to evaluate potential public health risks associated with construction of the Proposed Project. Results of the modeling analysis are compared with the most recent significance thresholds established by the San Diego Air Pollution Control District (SDAPCD) for purposes of California Environmental Quality Act (CEQA) analysis.

1.2 Project Description

The Proposed Project is part of the overall Otay Ranch project, an approximately 22,845-acre master-planned community in southern San Diego County designed as a series of villages and planning areas. The Proposed Project addressed in this air quality emissions technical report is located within Otay Ranch Village 14 and Planning Areas 16/19 in the Proctor Valley area of Otay Ranch. The underlying purpose of the Proposed Project is to implement the adopted Otay Ranch General Development Plan/Otay Subregional Plan (GDP/SRP) and complete the planned development within Jackson Pendo Development Company's (applicant) ownership of Village 14 and Planning Areas 16/19. The Otay Ranch GDP/SRP is also a component part of the County General Plan and allows for a total of 2,133 homes in Otay Ranch Village 14 and Planning Areas 16/19. The Proposed Project is designed to be consistent with the Otay Ranch GDP/SRP's directive to provide a transitional community between the suburban densities and character of eastern Chula Vista and the more rural community of Jamul. The Proposed Project proposes 1,119 homes, of which 994 would be in Village 14 and 125 homes would be in Planning Areas 16/19.

1.3 Toxic Air Contaminants

A substance is considered toxic if it has the potential to cause adverse health effects in humans, including increasing the risk of cancer upon exposure, or acute (short-term) and/or chronic (long-term) noncancer health effects. A toxic substance released into the air is considered a toxic air contaminant (TAC). Examples include certain aromatic and chlorinated hydrocarbons, diesel particulate matter (DPM), certain metals, and asbestos. TACs are generated by a number of sources, including stationary sources such as dry cleaners, gas stations, combustion sources, and laboratories; mobile sources such as automobiles; and area sources such as landfills. Adverse health effects associated with exposure to TACs may include carcinogenic (i.e., cancer-causing) and noncarcinogenic effects. Noncarcinogenic effects typically affect one or more target organ system and may be experienced either on acute or chronic exposure to a given TAC.

In 1998, CARB designated diesel engine exhaust particulate matter (DPM) as a TAC. The exhaust from diesel engines is a complex mixture of gases, vapors, and particles, many of which are known human carcinogens. DPM has established cancer risk factors and relative exposure values for long term chronic health hazard impacts. No short-term, acute relative exposure level has been established for DPM; therefore, acute impacts of DPM are not addressed in this assessment.

1.3.1 Cancer Risk

Cancer risk is defined as the increase in probability (chance) of an individual developing cancer due to exposure to a carcinogenic compound, typically expressed as the increased chances in one million. The cancer risk from exposure to a TAC is estimated by calculating the inhalation (and if applicable, ingestion or dermal) dose in units of milligrams/kilogram body weight per day. The dose is based on an ambient concentration in units of micrograms per cubic meter ($\mu g/m^3$), age sensitivity factors (ASFs), daily breathing rates (DBRs), exposure period, and fraction of time spent at home (FAH). The cancer risk is calculated by multiplying the dose by the cancer potency factor, expressed as (milligrams/kilogram body weight per day)$^{-1}$. Cancer risks are typically calculated for all carcinogenic TACs and summed to calculate the overall increase in cancer risk to an individual. The calculation procedure assumes that cancer risk is proportional to concentrations at any level of exposure and that risks due to different carcinogens are additive. This approach is generally considered a conservative assumption at low doses and is consistent with the OEHHA regulatory approach.

The cancer risk calculations were performed by multiplying the predicted dispersion modeled output data by the TAC emissions and the appropriate risk values. The exposure and risk equations that were used to calculate the cancer risk at receptors are integrated in the Hotspots Analysis and Reporting Program, Version 2 (HARP 2) model, in accordance with the *Air Toxics Hot Spot Program Risk Assessment Guidelines – Guidance Manual for Preparation of Health Risk Assessments* (OEHHA 2015).

The following equations were used to calculate the cancer risk using the model output data and estimated TAC emissions associated with diesel exhaust.

Cancer Risk = DOSE * CPF * ASF * ED/AT * FAH

$$\mathbf{DOSE = (C_{air} * DBR * A * EF * 10^{-6})}$$

$$C_{air} = ER * X/Q$$

Where:

- DOSE: Daily inhalation dose (mg/kg-day)

- CPF: Cancer potency factor (mg/kg-day) -1
- ASF: Age sensitivity factor for a specified age group (unitless)
- ED: Exposure duration (in years) for a specified age group
- AT: Averaging time for lifetime cancer risk (years)
- FAH: Fraction of time spent at home (unitless)
- C_{air}: Average air concentration of TAC from the air dispersion model ($\mu g/m^3$)
- DBR: Daily breathing rate (L/kg body weight-day)
- EF: Exposure frequency (unitless), days/365 days
- A: Inhalation absorption factor (unitless)
- 10^{-6}: Micrograms to milligrams conversion, liters to cubic meters conversion
- ER: Emission rates (g/s)
- X/Q: Model output data ($\mu g/m^3$)/(g/s)

1.3.2 Noncancer Health Impacts

The noncancer health impact of an inhaled TAC is measured by the hazard quotient, which is the ratio of the ambient concentration of a TAC in units of $\mu g/m^3$ divided by the reference exposure level (REL), also in units of $\mu g/m^3$. The REL is the concentration at or below which no adverse health effects are anticipated. The REL is typically based on health effects to a particular target organ system, such as the respiratory system, liver, or central nervous system. Hazard quotients of individual TACs are then summed for each target organ system to obtain a hazard index. For DPM, the target organ system is the respiratory system.

In addition to the potential cancer risk, DPM has chronic (i.e., long-term) noncancer health impacts. The chronic noncancer hazard index for DPM was calculated by dividing the maximum modeled annual average concentration of TACs by its REL as implemented by HARP 2.

The chronic hazard quotients were calculated for DPM using the following equations (OEHHA 2015).

CHQ = (C_{air} /REL)

Where:

- CHQ: Chronic hazard quotient
- Cair: Annual average concentration (µg/m3)
- REL: Chronic reference exposure level (µg/m^3)

2 GUIDANCE AND THRESHOLDS

2.1 San Diego Air Pollution Control District Guidance

The SDAPCD has established public health risk notification thresholds (SDAPCD Rule 1210), including an incremental cancer risk threshold of 10 in 1 million people and a total acute non-cancer health hazard index of 1.0. Additionally, in June 2015, and in response to the 2015 OEHHA Guidelines published earlier that year, SDAPCD published their *Supplemental Guidelines for Submission of Air Toxics 'Hot Spots' Program Health Risk Assessments*. In the *Supplemental Guidelines*, SDAPCD clarified the thresholds that apply to projects conducting HRAs, stating that "cancer and non-cancer chronic and acute risk isopleths (contours) are required if offsite cancer risks exceed 10 in a million or the non-cacner HHI's [health hazard indices] exceed 1."

2.2 OEHHA Guidance

OEHHA's most recent guidance is the *Air Toxics Hot Spots Program Risk Assessment Guidelines – Guidance Manual for Preparation of Health Risk Assessments* (OEHHA 2015), which was adopted in 2015 replacing the previous 2003 guidance manual. The Children's Environmental Health Protection Act of 1999 (Senate Bill 25), which requires explicit consideration of infants and children in assessing risks from air toxics, required revisions of the methods for both noncancer and cancer risk assessment and of the exposure assumptions in the 2003 OEHHA HRA guidance manual. In response to SB 25, OEHHA released three technical support documents (TSDs) addressing RELs (OEHHA 2008), cancer potency (OEHHA 2009), and exposure assessment and stochastic analysis (OEHHA 2012) and adopted the revised HRA guidance manual (OEHHA 2015). The TSD for RELs and continuing work to re-evaluate TACs to ensure adequate protection for infants and children has led to revisions of RELs for approximately 10 chemicals and chemical families. The basic methodology for evaluating acute and chronic health effects using the RELs otherwise remained the same as in the previous guidance manual. Moreover, RELs are designed to protect the most sensitive individuals in the population, including infants and children, by selecting appropriate toxicological data and including margins of safety. Accordingly, the evaluation methods are assumed to protect children and other sensitive subpopulations (groups of more highly susceptible individuals) from adverse health effects in the event of exposure (OEHHA 2008).

The cancer risk methodology described in exposure assessment and stochastic analysis TSD and the OEHHA guidance manual accounts for the higher sensitivity of infants and children by applying age-specific DBRs and ASFs. According to the TSD, "accounting for effects of early-in-life exposure requires accounting for both the increased potency of early in life exposure to carcinogens and the greater exposure on a per [kilogram] body weight that occurs early in life due to behavioral

and physiological differences between infants and children, and adults" (OEHHA 2012). In part, early-life periods are accounted for through the use of age-sensitivity factors. Compared to the previous guidance, which relied on a single breathing rate for all ages, the revised guidance also includes age-specific DBRs that reflect the differences between those for infants, children, and adults.

3 ESTIMATED EMISSIONS

Construction of the Proposed Project would result in the temporary addition of pollutants to the local airshed caused by on-site sources (i.e., off-road construction equipment, and soil disturbance) and off-site sources (i.e., on-road haul trucks, vendor trucks, and worker vehicle trips). Emissions from the construction phase of the Proposed Project were estimated using the California Emissions Estimator Model (CalEEMod), version 2016.3.1. In addition, the DPM emissions from the generator used to operate the rock crushing equipment was quantified separately, since CalEEMod does not account for rock crushing. Details of the emission calculations are provided in Appendix A.

Mitigation Measures

Mitigation Measures M-AQ-1 through M-AQ-8 have been identified to reduce construction criteria air pollutant emissions and associated construction-related air quality impacts generated by the Proposed Project. M-AQ-1 and M-AQ-2 shall be implemented during blasting and rock crushing activities. Prior to approval of any grading permits, the applicant or its designee shall include M-AQ-3 on all grading plans, which shall be implemented during grading of each phase of the Proposed Project to minimize particulate matter with an aerodynamic diameter less than or equal to 10 microns (PM_{10}) and particulate matter with an aerodynamic diameter less than or equal to 2.5 microns ($PM_{2.5}$). M-AQ-4 was primarily identified to reduce oxides of nitrogen (NO_x) and PM emissions. M-AQ-5 through M-AQ-8 were identified to reduce exhaust particulate matter emissions.

M-AQ-1 **Tier 4 Final Rock Crushing Equipment**. Prior to the commencement of any rock crushing activities, the applicant shall provide evidence to the County of San Diego that all diesel-powered generators with engines greater than 750 horsepower used for rock crushing operations are equipped with Tier 4 Final engines.

M-AQ-2 **Blasting and Rock Crushing Notification**. Prior to the commencement of any construction activities, the applicant shall provide evidence to the County of San Diego that the applicant or its designee has employed a construction relations officer who will address community concerns regarding on-site construction activity. The applicant shall provide public notification in the form of a visible sign containing the contact information of the construction relations officer, who will document complaints and concerns regarding on-site construction activity. The sign shall be placed in easily-accessible locations along Proctor Valley Road and noted on grading and improvement plans.

M-AQ-3 **Blasting and Rock Crushing Emission Controls**. The following provisions shall be implemented to reduce emissions associated with blasting and rock crushing activities:

a. During blasting activities, the construction contractor shall implement all feasible engineering controls to control fugitive dust including exhaust ventilation, blasting cabinets and enclosures, vacuum blasters, drapes, water curtains or wet blasting.

   Watering methods, such as water sprays and water applications, also shall be implemented during blasting, rock crushing, cutting, chipping, sawing, or any activity that would release dust particles to reduce fugitive dust emissions.

b. During rock crushing transfer and conveyance activities, material shall be watered prior to entering the crusher.

   Additionally, crushing activities shall not exceed an opacity limit of 20% (or Number 1 on the Ringelmann Chart) as averaged over a 3 minute period in any period of 60 consecutive minutes, in accordance with SDAPCD Rule 50, Visible Emissions. A qualified opacity observer shall monitor opacity from crushing activities once every 30 days while crushers are employed on site to ensure compliance with SDAPCD Rule 50.

   Water sprayers, conveyor belt enclosures or other mechanisms also shall be employed to reduce fugitive dust generated during transfer and conveyance of crush material.

M-AQ-4 **Tier 4 Interim Construction Equipment**. Prior to the commencement of any construction activities, the applicant shall provide evidence to the County of San Diego that for off-road equipment with engines rated at 75 horsepower or greater, no construction equipment shall be used that is less than Tier 4 Interim. An exemption from these requirements may be granted by the County in the event that the applicant documents that (1) equipment with the required tier is not reasonably available (e.g., reasonability factors to be considered include those available within the County within the scheduled construction period), and (2) corresponding reductions in criteria air pollutant emissions are achieved from other construction equipment. For example, if a Tier 4 Interim piece of equipment is not reasonably available at the time of construction and a lower tier equipment is used instead (e.g., Tier 3), another piece of utilized equipment could be upgraded from a Tier 4 Interim to a higher tier (i.e., Tier 4 Final) or replaced with an alternative-fueled (not diesel-

fueled) equipment to offset the emission reductions associated with using a piece of equipment that does not meet Tier 4 Interim standards.

M-AQ-5 **Construction Equipment Maintenance**. The primary contractor shall be responsible for ensuring that all construction equipment is properly tuned and maintained in accordance with manufacturer's specifications before and for the duration of on-site operation.

M-AQ-6 **Use of Electrical-Powered Equipment**. Electrical hookups shall be provided on site for hand tools, such as saws, drills, and compressors, used for building construction to reduce the need for electric generators and other fuel-powered equipment. The use of electrical construction equipment shall be employed, where feasible.

M-AQ-7 **Best Available Control Technology**. Construction equipment shall be outfitted with best available control technology (BACT) devices certified by CARB. A copy of each unit's BACT documentation shall be provided to the County at the time of mobilization of each applicable unit of equipment.

M-AQ-8 **Haul Trucks** Haul truck staging areas shall be provided for loading and unloading of soil and materials and shall be located away from sensitive receptors at the furthest feasible distance.

4 MODELING METHODOLOGY

4.1 Dispersion Model

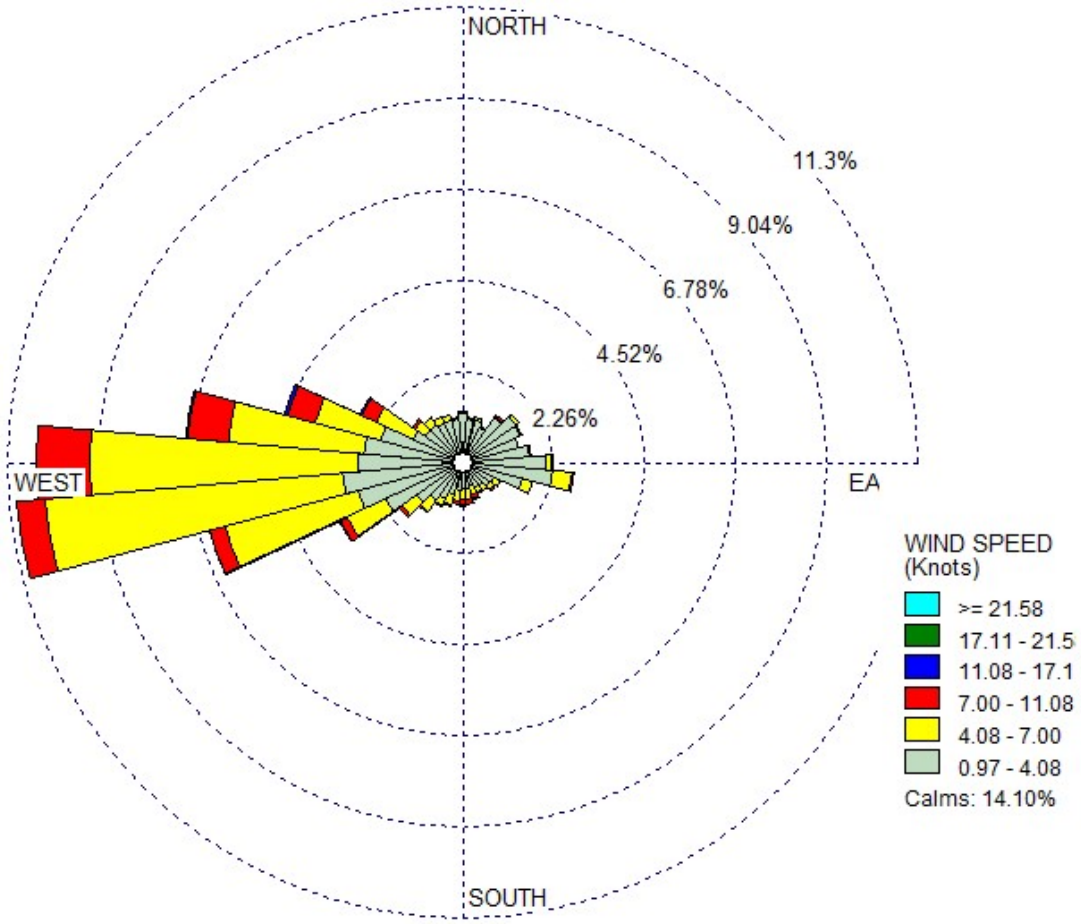
Air dispersion models calculate the atmospheric transport and fate of pollutants from the emission source. The models calculate the concentration of selected pollutants at specific downwind ground-level points, such as residential or off-site workplace receptors. The transformation (fate) of an airborne pollutant, its movement with the prevailing winds (transport), its crosswind and vertical movement due to atmospheric turbulence (dispersion), and its removal due to dry and wet deposition are influenced by the pollutant's physical and chemical properties and by meteorological and environmental conditions. Factors such as distance from the source to the receptor, meteorological conditions, intervening land use and terrain, pollutant release characteristics, and background pollutant concentrations affect the predicted air concentration of an air pollutant. Air dispersion models have the capability to take all of these factors into consideration when calculating downwind ground-level pollutant concentrations.

Dispersion modeling was performed for the HRA using the American Meteorological Society/Environmental Protection Agency Regulatory Model (AERMOD). AERMOD is a steady-state Gaussian plume model that incorporates air dispersion based on planetary boundary layer turbulence structure and scaling concepts, including treatment of both surface and elevated sources, building downwash, and both simple and complex terrain. Principal parameters of AERMOD for the Project construction include the following:

Dispersion Model. The air dispersion model used was AERMOD, Version 16216r, with the Lakes Environmental Software implementation/user interface, AERMOD View, Version 9.3.0. AERMOD was run with all sources emitting unit emissions (1 g/s) to obtain the "X/Q" values. X/Q is a dispersion factor that is the average effluent concentration normalized by source strength, and is used as a way to simplify the representation of emissions from many sources. The X/Q values of ground-level concentrations (GLCs) were determined for construction emissions using AERMOD and the maximum concentrations determined for the 1-hour and Period averaging periods.

Meteorological Data. The latest 3-year meteorological data (2010–2012) for the Chula Vista station from SDAPCD were used. A windrose is provided for this station in Figure 1.

Figure 1
Windrose for Chula Vista Meteorological Station



Source: Lakes Environmental 2017.

Model Options. The modeling included the use of standard regulatory default options, including the use of rural dispersion parameters and elevated terrain per SDAPCD guidance.

Terrain Characteristics. Digital elevation model files were imported into AERMOD so that complex terrain features were evaluated as appropriate.

Modeling Grid. To analyze impacts to potential on-site receptors, a receptor grid was placed over a 15-kilometer coarse grid area using 250-meter resolution to evaluate locations of maximum health risk impact.

Discrete Receptors. Discrete receptors were analyzed at the northern and southern extremes of Proposed Project activity where actual receptors are located. The northern Proposed Project activity was more impacted and, therefore, was analyzed for locations of maximum exposure.

Source Equipment Operating Scenarios. Air dispersion modeling of construction activities was conducted using emissions generated using CalEEMod and the separate calculation for rock crushing diesel-generator emissions.

Source Release Characteristics. For modeling construction emissions impacts using AERMOD, it was assumed that Planning Areas 16/19 would be disturbed with equipment during its 5-year period of activity. An initial vertical dimension of 1.2 meters and release height of 5 meters was used for diesel equipment and truck exhaust.

4.2 Health Risk Assessment Methodology

This HRA follows the 2015 OEHHA Guidelines and the SDAPCD *Supplemental Guidelines for Submission of Air Toxics 'Hot Spots' Program Health Risk Assessments* (SDAPCD 2015). For risk assessment purposes, PM_{10} in diesel exhaust is considered DPM, originating mainly from off-road equipment operating at a defined location for a given length of time at a given distance from sensitive receptors. Less-intensive, more-dispersed emissions result from on-road vehicle exhaust (e.g., heavy-duty diesel trucks). These emissions could result in elevated concentrations of DPM at nearby receptors, which could lead to an increase in the risk of cancer or other health impacts. Consequently, an HRA was performed to determine the extent of increased cancer risks and hazard indices at the maximally exposed receptor. The dispersion of DPM was modeled using the AERMOD dispersion model, along with meteorological data provided by the SDAPCD for the Project site, and the resultant health impacts were calculated using the CARB HARP 2.

The nearest existing off-site residential receptors consist of single-family residences immediately approximately 40 meters (130 feet) to the north of the northwestern land parcel of Planning Areas 16/19. Since the Proposed Project also includes residential development that could be occupied in the initial phase while the remaining phases of construction are on-going, it was assumed that the nearest on-site residence was located immediately inbound from the Maximally Exposed

Individual Resident, toward the Proposed Project fence line at a distance of 24 meters (79 feet) from Proposed Project construction. The closest off-site worker receptors are at the Hollywood Casino in the Jamul Indian Village off State Route 94, near Peaceful Valley Ranch Road. The closest off-site school receptor is The Academy of Exploration in Jamul.

To develop a conservative assumption regarding DPM exposure, it was assumed that Planning Areas 16/19 would be disturbed with equipment during its 5-year period of activity, after which construction would occur at a different area of the site greater than 1,000 feet away from the nearest existing off-site and future on-site residence. A 1,000-foot radial distance is considered the distance in which pollutant concentrations are greatest, and serves as a general "notification" distance from receptors. For example, research conducted by CARB indicated an 80% drop-off in pollutant concentrations at approximately 1,000 feet from major sources (CARB 2005). Therefore, a 1,000-foot distance is often used in analyzing impacts to receptors from distribution centers, freeways, rail yards, stationary sources, and other pollutant sources.[2]

For the purposes of this assessment, given the less-than-lifetime exposure period, and the higher breathing rates and sensitivity of children to TACs, the cancer risk calculation assumes that the exposure would affect children early in their lives. For the derived cancer risk calculation under the worst-case scenario, the 5-year exposure duration was assumed to start during the 3rd trimester of pregnancy. Additionally, "fraction of time at home" default factors were applied to conservatively account for typical time spent in the home and at work during the exposure period. For sensitive receptors, default residential exposures were conservatively assumed.

[2] If the school is developed instead of the assumed 97 residential units within Central Village 14, it is anticipated that construction of the school would be completed in 2026 and operation of the school would not occur until all construction in Central Village 14 is complete. Proposed Project construction that would occur while the school would be in operation is limited to construction activities within Planning Areas 16/19. The distance between the closest portion of Planning Areas 16/19 to the school site is approximately 7,300 feet, which is outside of the 1,000 foot radial distance for sensitive receptors assumed in the HRA. Accordingly, the school is not included as a sensitive receptor land use in the HRA.

5 HEALTH RISK ASSESSMENT RESULTS

An HRA was performed to estimate the Maximum Individual Cancer Risk and the Chronic Hazard Index for proximate receptors. An unmitigated emissions scenario, which would not include M-AQ-1 through M-AQ-8 is presented for disclosure purposes. The mitigated emissions scenario assumes implementation of construction criteria air pollutant emissions mitigation; specifically, M-AQ-1 and M-AQ-4, which are quantified in the estimated mitigated emissions.[3]

On-site residential receptors, off-site residential receptors, off-site worker receptors, and receptors at the nearest school site were evaluated. For both the unmitigated and mitigated emissions scenarios, the maximum exposed individual resident was the resident living in the Project Area at Universal Transverse Mercator (UTM) coordinates (509305, 3618372). The maximum exposed worker was at the Hollywood Casino's upstream location to Proposed Project emissions at UTM coordinates (512040, 3618362). The Academy of Exploration, which is the closest school to the Project Area, was located at UTM coordinates (510800, 3619100).

Cancer Risk

The following tabulates cancer risk for on-site and off-site residences, workers, and the Academy of Exploration assuming unmitigated Proposed-Project-generated emissions.

As shown in Table 1, unmitigated construction emissions would result in maximum individual cancer risks for both on-site and off-site residences and worker locations that are below the significance threshold of 10 in 1 million. Finally, unmitigated construction emissions would result in cancer risk at the Academy of Exploration below significance thresholds of 10 in 1 million. Therefore, the unmitigated construction impacts would be **less than significant.**

Table 1
Construction Cancer Risk Assessment Results - Unmitigated Emissions

Impact Parameter	Units	Proposed Project Impact	CEQA Threshold	Level of Significance
Maximum Individual Cancer Risk—On-Site Residential	Per Million	1.23	10	Less than Significant
Maximum Individual Cancer Risk—Off-Site Residential	Per Million	1.06	10	Less than Significant

[3] Some construction equipment that was assumed to meet Tier 4 Interim standards may achieve Tier 4 Final standards, which would include more restrictive emissions controls than what was assumed in this assessment, depending on the engine size and model year. In addition, other T-BACT and CARB regulations would be applicable to the Proposed Project including Idling of Commercial Heavy Duty Trucks (13 CCR 2485), In-Use Off-Road Diesel-Fueled Fleets (13 CCR 2449 et seq.), and In-Use On-Road Diesel-Fueled Vehicles (13 CCR 2025).

Maximum Individual Cancer Risk—Worker	Per Million	0.11	10	Less than Significant
Maximum Individual Cancer Risk—Academy of Exploration	Per Million	3.23	10	Less than Significant

The following construction-related mitigation measures for criteria pollutants also apply to reducing TAC emissions: M-AQ-1, M-AQ-2, M-AQ-4, M-AQ-5, M-AQ-6, M-AQ-7, and M-AQ-8. Therefore, while no mitigation is required, Table 2 presents the mitigated cancer risk for on-site and off-site residences, worker, and the Academy of Exploration.

Table 2
Construction Cancer Risk Assessment Results – Mitigated Emissions

Impact Parameter	Units	Proposed Project Impact	CEQA Threshold	Level of Significance
Maximum Individual Cancer Risk—On-Site Residential	Per Million	1.06	10	Less than Significant
Maximum Individual Cancer Risk—Off-Site Residential	Per Million	0.913	10	Less than Significant
Maximum Individual Cancer Risk—Worker	Per Million	0.096	10	Less than Significant
Maximum Individual Cancer Risk—Academy of Exploration	Per Million	2.23	10	Less than Significant

As shown in Table 2, mitigated construction emissions would result in maximum individual cancer risks for both on-site and off-site residences and worker locations that are below the significance threshold of 10 in 1 million. Mitigated construction emissions would result in cancer risk at the Academy of Exploration below significance thresholds of 10 in 1 million. Therefore, the mitigated construction emissions would result in a cancer risk impact that is **less than significant**.

Chronic Hazard

Table 3 tabulates chronic hazard index for on-site and off-site residences, worker, and the Academy of Exploration assuming unmitigated Proposed-Project-generated emissions.

Table 3
Construction Chronic Hazard Index Assessment Results - Unmitigated Emissions

Impact Parameter	Units	Proposed Project Impact	CEQA Threshold	Level of Significance
Chronic Hazard Index—On-Site Residential	Index Value	0.0005	1.0	Less than Significant
Chronic Hazard Index—Off-Site Residential	Index Value	0.0005	1.0	Less than Significant
Chronic Hazard Index—Worker	Index Value	0.002	1.0	Less than Significant
Chronic Hazard Index —Academy of Exploration	Index Value	0.001	1.0	Less than Significant

Unmitigated construction emissions would result in chronic hazard indices for both on-site and off-site residences and worker locations that are below the significance threshold of 1.0. Unmitigated construction emissions would result in a chronic hazard index at the Academy of Exploration below significance threshold of 1.0. Therefore, the unmitigated construction impacts would be **less than significant**.

Table 4 depicts mitigated chronic hazard index for on-site and off-site residences, worker, and the Academy of Exploration.

Table 4
Construction Chronic Hazard Index Results – Mitigated Emissions

Impact Parameter	Units	Proposed Project Impact	CEQA Threshold	Level of Significance
Chronic Hazard Index—On-Site Residential	Index Value	0.0005	1.0	Less than Significant
Chronic Hazard Index—Off-Site Residential	Index Value	0.0004	1.0	Less than Significant
Chronic Hazard Index—Worker	Index Value	0.001	1.0	Less than Significant
Chronic Hazard Index —Academy of Exploration	Index Value	0.001	1.0	Less than Significant

Mitigated construction emissions would result in chronic hazard indices for both on-site and off-site residences and worker locations which are below the significance threshold of 1.0. Mitigated construction activities would result in chronic hazard indices at the Academy of Exploration below significance threshold of 1.0. Therefore, the mitigated construction impacts would be **less than significant.**

6 CONCLUSIONS

The Proposed Project's increased cancer risk at on site and off site residences, off site workers, and Academy of Exploration receptors would not exceed the SDAPCD's thresholds before mitigation. The implementation of M-AQ-1 through M-AQ-8 would further reduce construction-related DPM emissions and cancer risk at on-site and off-site residences. In summary, the Proposed Project's cancer risk and chronic hazard at sensitive receptor locations would be be below the SDAPCD's thresholds; therefore, impacts would be **less than significant**.

7 LITERATURE CITED

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APPENDIX A

CalEEMod Output Files

CalEEMod Version: CalEEMod.2016.3.1 Date: 1/9/2018 10:51 AM

Proctor Valley EIR - PA 16-19 Residential

San Diego County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Single Family Housing	125.00	Dwelling Unit	368.00	591,125.00	344

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.6	**Precipitation Freq (Days)**	40
Climate Zone	13			**Operational Year**	2028
Utility Company	San Diego Gas & Electric				
CO2 Intensity (lb/MWhr)	427.49	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - Refer to CalEEMod Input Matrix Table 2

Land Use - Refer to CalEEMod Input Matrix Table 4

Off-road Equipment - Refer to CalEEMod Input Matrix Table 6

Trips and VMT - Refer to CalEEMod Input Matrix Table 9

Vehicle Trips - Refer to CalEEMod Input Matrix Table 12

Woodstoves - Refer to CalEEMod Input Matrix Table 17

Area Coating - Refer to CalEEMod Input Matrix Table 19

Energy Use - Refer to CalEEMod Input Matrix Table 21

Construction Off-road Equipment Mitigation - refer to inputs

Area Mitigation - Refer to CalEEMod Input Matrix Table 36

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tblArchitecturalCoating	EF_Parking	250.00	0.00
tblArchitecturalCoating	EF_Residential_Exterior	250.00	100.00
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tblArchitecturalCoating	EF_Residential_Exterior	250.00	100.00
tblArchitecturalCoating	EF_Residential_Exterior	250.00	100.00
tblArchitecturalCoating	EF_Residential_Interior	250.00	50.00
tblArchitecturalCoating	EF_Residential_Interior	250.00	50.00
tblArchitecturalCoating	EF_Residential_Interior	250.00	50.00
tblArchitecturalCoating	EF_Residential_Interior	250.00	50.00
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tblAreaCoating	Area_EF_Residential_Interior	250	150
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tblGrading	AcresOfGrading	10.50	0.00

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tblLandUse	LandUseSquareFeet	225,000.00	591,125.00
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2.0 Emissions Summary

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2023	2.4357	1.2529	1.2186	2.3400e-003	1.2176	0.0546	1.2722	0.2393	0.0507	0.2900	0.0000	204.7219	204.7219	0.0601	0.0000	206.2237
2024	2.6003	2.9000	2.7729	5.7300e-003	2.4102	0.1200	2.5301	0.4858	0.1108	0.5965	0.0000	502.9946	502.9946	0.1553	0.0000	506.8760
2025	4.7203	0.9440	1.3037	2.1800e-003	0.1294	0.0385	0.1679	0.0129	0.0362	0.0491	0.0000	190.0397	190.0397	0.0473	0.0000	191.2213
2026	2.3293	0.1622	0.2566	4.0000e-004	0.0291	5.8600e-003	0.0350	2.9100e-003	5.6400e-003	8.5400e-003	0.0000	35.0186	35.0186	7.2200e-003	0.0000	35.1991
Maximum	**4.7203**	**2.9000**	**2.7729**	**5.7300e-003**	**2.4102**	**0.1200**	**2.5301**	**0.4858**	**0.1108**	**0.5965**	**0.0000**	**502.9946**	**502.9946**	**0.1553**	**0.0000**	**506.8760**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2023	2.4357	1.2529	1.2186	2.3400e-003	0.5079	0.0546	0.5625	0.0966	0.0507	0.1473	0.0000	204.7216	204.7216	0.0601	0.0000	206.2234
2024	2.6003	2.9000	2.7729	5.7300e-003	1.1753	0.1200	1.2953	0.2129	0.1108	0.3237	0.0000	502.9941	502.9941	0.1553	0.0000	506.8754
2025	4.7203	0.9440	1.3037	2.1800e-003	0.0792	0.0385	0.1177	7.9100e-003	0.0362	0.0441	0.0000	190.0394	190.0394	0.0473	0.0000	191.2210
2026	2.3293	0.1622	0.2566	4.0000e-004	0.0178	5.8600e-003	0.0237	1.7800e-003	5.6400e-003	7.4200e-003	0.0000	35.0186	35.0186	7.2200e-003	0.0000	35.1991
Maximum	**4.7203**	**2.9000**	**2.7729**	**5.7300e-003**	**1.1753**	**0.1200**	**1.2953**	**0.2129**	**0.1108**	**0.3237**	**0.0000**	**502.9941**	**502.9941**	**0.1553**	**0.0000**	**506.8754**

	ROG	**NOx**	**CO**	**SO2**	**Fugitive PM10**	**Exhaust PM10**	**PM10 Total**	**Fugitive PM2.5**	**Exhaust PM2.5**	**PM2.5 Total**	**Bio- CO2**	**NBio-CO2**	**Total CO2**	**CH4**	**N20**	**CO2e**
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**52.98**	**0.00**	**50.08**	**56.91**	**0.00**	**44.66**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	10-1-2023	12-31-2023	1.3140	1.3140
2	1-1-2024	3-31-2024	1.1542	1.1542
3	4-1-2024	6-30-2024	1.1866	1.1866
4	7-1-2024	9-30-2024	0.2888	0.2888
5	10-1-2024	12-31-2024	2.6073	2.6073
6	1-1-2025	3-31-2025	1.4130	1.4130
7	4-1-2025	6-30-2025	1.4916	1.4916
8	7-1-2025	9-30-2025	2.5205	2.5205
9	10-1-2025	12-31-2025	0.3026	0.3026
10	1-1-2026	3-31-2026	2.5000	2.5000
		Highest	2.6073	2.6073

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	10.7346	0.1639	10.6089	0.0176		1.3626	1.3626		1.3626	1.3626	129.1197	55.6670	184.7867	0.1206	0.0102	190.8285
Energy	0.0192	0.1641	0.0698	1.0500e-003		0.0133	0.0133		0.0133	0.0133	0.0000	400.0637	400.0637	0.0179	6.4300e-003	402.4276
Mobile	0.2471	1.0460	2.9741	0.0119	1.2701	8.4700e-003	1.2785	0.3400	7.8700e-003	0.3479	0.0000	1,100.5417	1,100.5417	0.0533	0.0000	1,101.8753
Waste						0.0000	0.0000		0.0000	0.0000	28.6299	0.0000	28.6299	1.6920	0.0000	70.9292
Water						0.0000	0.0000		0.0000	0.0000	2.5838	31.6241	34.2079	0.2675	6.7100e-003	42.8957
Total	**11.0009**	**1.3739**	**13.6529**	**0.0305**	**1.2701**	**1.3844**	**2.6544**	**0.3400**	**1.3838**	**1.7237**	**160.3334**	**1,587.8965**	**1,748.2299**	**2.1514**	**0.0233**	**1,808.9562**

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	10.7346	0.1639	10.6089	0.0176		1.3626	1.3626		1.3626	1.3626	129.1197	55.6670	184.7867	0.1206	0.0102	190.8285
Energy	0.0192	0.1641	0.0698	1.0500e-003		0.0133	0.0133		0.0133	0.0133	0.0000	400.0637	400.0637	0.0179	6.4300e-003	402.4276
Mobile	0.2471	1.0460	2.9741	0.0119	1.2701	8.4700e-003	1.2785	0.3400	7.8700e-003	0.3479	0.0000	1,100.5417	1,100.5417	0.0533	0.0000	1,101.8753
Waste						0.0000	0.0000		0.0000	0.0000	7.1575	0.0000	7.1575	0.4230	0.0000	17.7323
Water						0.0000	0.0000		0.0000	0.0000	2.5838	31.6241	34.2079	0.2675	6.7100e-003	42.8957
Total	**11.0009**	**1.3739**	**13.6529**	**0.0305**	**1.2701**	**1.3844**	**2.6544**	**0.3400**	**1.3838**	**1.7237**	**138.8610**	**1,587.8965**	**1,726.7575**	**0.8824**	**0.0233**	**1,755.7593**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**13.39**	**0.00**	**1.23**	**58.99**	**0.00**	**2.94**

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation -1	Site Preparation	4/1/2023	4/30/2023	5	20	
2	Utilities -1	Site Preparation	5/1/2023	6/30/2023	5	45	
3	Grading -1	Grading	5/1/2023	5/30/2023	5	22	
4	P1 Paving	Paving	6/1/2023	6/30/2023	5	22	
5	P1 Site Preparation (mo. 1)	Site Preparation	7/1/2023	7/31/2023	5	21	
6	P1 Building Construction 1 (mo. 2-4)	Building Construction	8/1/2023	10/31/2023	5	66	
7	P1 Architectural Coating	Architectural Coating	9/1/2023	10/31/2023	5	43	
8	P1 Building Construction 2 (mo. 5)	Building Construction	11/1/2023	11/30/2023	5	22	
9	Site Preparation -2	Site Preparation	1/1/2024	1/31/2024	5	23	
10	Grading -2	Grading	2/1/2024	6/30/2024	5	107	
11	Utilities -2	Site Preparation	5/1/2024	9/30/2024	5	109	
12	P2 Paving	Paving	7/1/2024	7/31/2024	5	23	
13	P2 Site Preparation (mo. 1)	Site Preparation	8/1/2024	8/31/2024	5	22	
14	P2 Building Construction 1 (mo. 2-4)	Building Construction	9/1/2024	11/30/2024	5	65	
15	P2 Architectural Coating	Architectural Coating	10/1/2024	11/30/2024	5	44	
16	P2 Building Construction 2 (mo. 5)	Building Construction	12/1/2024	12/31/2024	5	22	
17	P3 Paving	Paving	12/1/2024	12/31/2024	5	22	
18	P3 Site Preparation (mo. 1)	Site Preparation	1/1/2025	1/31/2025	5	23	
19	P3 Building Construction 1 (mo. 2-4)	Building Construction	2/1/2025	4/30/2025	5	63	
20	P3 Architectural Coating	Architectural Coating	3/1/2025	4/30/2025	5	43	
21	P3 Building Construction 2 (mo. 5)	Building Construction	5/1/2025	5/31/2025	5	22	
22	P4 Paving	Paving	5/1/2025	5/31/2025	5	22	
23	P4 Site Preparation (mo. 1)	Site Preparation	6/1/2025	6/30/2025	5	21	
24	P4 Building Construction 1 (mo. 2-4)	Building Construction	7/1/2025	9/30/2025	5	66	
25	P4 Architectural Coating	Architectural Coating	8/1/2025	9/30/2025	5	43	

26	P4 Building Construction 2 (mo. 5)	Building Construction	10/1/2025	10/31/2025	5	23	
27	P5 Paving	Paving	10/1/2025	10/31/2025	5	23	
28	P5 Site Preparation (mo. 1)	Site Preparation	11/1/2025	11/30/2025	5	20	
29	P5 Building Construction 1 (mo. 2-4)	Building Construction	12/1/2025	2/28/2026	5	65	
30	P5 Architectural Coating	Architectural Coating	1/1/2026	2/28/2026	5	42	
31	P5 Building Construction 2 (mo. 5)	Building Construction	3/1/2026	3/31/2026	5	22	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

Residential Indoor: 1,197,028; Residential Outdoor: 399,009; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation -1	Other Construction Equipment	1	8.00	172	0.42
Site Preparation -1	Rubber Tired Dozers	3	8.00	247	0.40
Site Preparation -1	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Utilities -1	Excavators	1	8.00	158	0.38
Utilities -1	Rubber Tired Dozers	0	8.00	247	0.40
Utilities -1	Rubber Tired Loaders	1	8.00	203	0.36
Utilities -1	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Grading -1	Excavators	2	8.00	158	0.38
Grading -1	Graders	1	8.00	187	0.41
Grading -1	Rubber Tired Dozers	1	8.00	247	0.40
Grading -1	Scrapers	2	8.00	367	0.48
Grading -1	Tractors/Loaders/Backhoes	2	8.00	97	0.37
P1 Paving	Pavers	2	8.00	130	0.42
P1 Paving	Paving Equipment	2	8.00	132	0.36
P1 Paving	Rollers	2	8.00	80	0.38
P1 Site Preparation (mo. 1)	Cement and Mortar Mixers	1	8.00	9	0.56
P1 Site Preparation (mo. 1)	Graders	1	8.00	187	0.41
P1 Site Preparation (mo. 1)	Pumps	1	8.00	84	0.74
P1 Site Preparation (mo. 1)	Rubber Tired Dozers	0	8.00	247	0.40
P1 Site Preparation (mo. 1)	Skid Steer Loaders	1	8.00	65	0.37
P1 Site Preparation (mo. 1)	Tractors/Loaders/Backhoes	0	8.00	97	0.37
P1 Site Preparation (mo. 1)	Trenchers	1	8.00	78	0.50
P1 Building Construction 1 (mo. 2-4)	Cranes	0	0.00	231	0.29
P1 Building Construction 1 (mo. 2-4)	Forklifts	0	0.00	89	0.20
P1 Building Construction 1 (mo. 2-4)	Generator Sets	0	0.00	84	0.74
P1 Building Construction 1 (mo. 2-4)	Rough Terrain Forklifts	1	8.00	100	0.40
P1 Building Construction 1 (mo. 2-4)	Tractors/Loaders/Backhoes	1	8.00	97	0.37

P1 Building Construction 1 (mo. 2-4)	Welders	0	0.00	46	0.45
P1 Architectural Coating	Air Compressors	2	8.00	78	0.48
P1 Building Construction 2 (mo. 5)	Cement and Mortar Mixers	1	8.00	9	0.56
P1 Building Construction 2 (mo. 5)	Cranes	0	0.00	231	0.29
P1 Building Construction 2 (mo. 5)	Forklifts	0	0.00	89	0.20
P1 Building Construction 2 (mo. 5)	Generator Sets	0	0.00	84	0.74
P1 Building Construction 2 (mo. 5)	Rough Terrain Forklifts	1	8.00	100	0.40
P1 Building Construction 2 (mo. 5)	Skid Steer Loaders	2	8.00	65	0.37
P1 Building Construction 2 (mo. 5)	Tractors/Loaders/Backhoes	0	0.00	97	0.37
P1 Building Construction 2 (mo. 5)	Welders	0	0.00	46	0.45
Site Preparation -2	Other Construction Equipment	1	8.00	172	0.42
Site Preparation -2	Rubber Tired Dozers	3	8.00	247	0.40
Site Preparation -2	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading -2	Excavators	2	8.00	158	0.38
Grading -2	Graders	1	8.00	187	0.41
Grading -2	Rubber Tired Dozers	1	8.00	247	0.40
Grading -2	Scrapers	2	8.00	367	0.48
Grading -2	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Utilities -2	Excavators	1	8.00	158	0.38
Utilities -2	Rubber Tired Dozers	0	0.00	247	0.40
Utilities -2	Rubber Tired Loaders	1	8.00	203	0.36
Utilities -2	Tractors/Loaders/Backhoes	0	0.00	97	0.37
P2 Paving	Pavers	2	8.00	130	0.42
P2 Paving	Paving Equipment	2	8.00	132	0.36
P2 Paving	Rollers	2	8.00	80	0.38
P2 Site Preparation (mo. 1)	Cement and Mortar Mixers	1	8.00	9	0.56
P2 Site Preparation (mo. 1)	Graders	1	8.00	187	0.41
P2 Site Preparation (mo. 1)	Pumps	1	8.00	84	0.74
P2 Site Preparation (mo. 1)	Rubber Tired Dozers	0	0.00	247	0.40

P2 Site Preparation (mo. 1)	Skid Steer Loaders	1	8.00	65	0.37
P2 Site Preparation (mo. 1)	Tractors/Loaders/Backhoes	0	0.00	97	0.37
P2 Site Preparation (mo. 1)	Trenchers	1	8.00	78	0.50
P2 Building Construction 1 (mo. 2-4)	Cranes	0	0.00	231	0.29
P2 Building Construction 1 (mo. 2-4)	Forklifts	0	0.00	89	0.20
P2 Building Construction 1 (mo. 2-4)	Generator Sets	0	0.00	84	0.74
P2 Building Construction 1 (mo. 2-4)	Rough Terrain Forklifts	1	8.00	100	0.40
P2 Building Construction 1 (mo. 2-4)	Tractors/Loaders/Backhoes	1	8.00	97	0.37
P2 Building Construction 1 (mo. 2-4)	Welders	0	0.00	46	0.45
P2 Architectural Coating	Air Compressors	2	8.00	78	0.48
P2 Building Construction 2 (mo. 5)	Cement and Mortar Mixers	1	8.00	9	0.56
P2 Building Construction 2 (mo. 5)	Cranes	0	0.00	231	0.29
P2 Building Construction 2 (mo. 5)	Forklifts	0	0.00	89	0.20
P2 Building Construction 2 (mo. 5)	Generator Sets	0	0.00	84	0.74
P2 Building Construction 2 (mo. 5)	Rough Terrain Forklifts	1	8.00	100	0.40
P2 Building Construction 2 (mo. 5)	Skid Steer Loaders	2	8.00	65	0.37
P2 Building Construction 2 (mo. 5)	Tractors/Loaders/Backhoes	0	0.00	97	0.37
P2 Building Construction 2 (mo. 5)	Welders	0	0.00	46	0.45
P3 Paving	Pavers	2	8.00	130	0.42
P3 Paving	Paving Equipment	2	8.00	132	0.36
P3 Paving	Rollers	2	8.00	80	0.38
P3 Site Preparation (mo. 1)	Cement and Mortar Mixers	1	8.00	9	0.56
P3 Site Preparation (mo. 1)	Graders	1	8.00	187	0.41
P3 Site Preparation (mo. 1)	Pumps	1	8.00	84	0.74
P3 Site Preparation (mo. 1)	Rubber Tired Dozers	0	0.00	247	0.40
P3 Site Preparation (mo. 1)	Skid Steer Loaders	1	8.00	65	0.37
P3 Site Preparation (mo. 1)	Tractors/Loaders/Backhoes	0	0.00	97	0.37
P3 Site Preparation (mo. 1)	Trenchers	1	8.00	78	0.50
P3 Building Construction 1 (mo. 2-4)	Cranes	0	0.00	231	0.29

P3 Building Construction 1 (mo. 2-4)	Forklifts	0	0.00	89	0.20
P3 Building Construction 1 (mo. 2-4)	Generator Sets	0	0.00	84	0.74
P3 Building Construction 1 (mo. 2-4)	Rough Terrain Forklifts	1	8.00	100	0.40
P3 Building Construction 1 (mo. 2-4)	Tractors/Loaders/Backhoes	1	7.00	97	0.37
P3 Building Construction 1 (mo. 2-4)	Welders	0	0.00	46	0.45
P3 Architectural Coating	Air Compressors	2	8.00	78	0.48
P3 Building Construction 2 (mo. 5)	Cement and Mortar Mixers	1	8.00	9	0.56
P3 Building Construction 2 (mo. 5)	Cranes	0	0.00	231	0.29
P3 Building Construction 2 (mo. 5)	Forklifts	0	0.00	89	0.20
P3 Building Construction 2 (mo. 5)	Generator Sets	0	0.00	84	0.74
P3 Building Construction 2 (mo. 5)	Rough Terrain Forklifts	1	8.00	100	0.40
P3 Building Construction 2 (mo. 5)	Skid Steer Loaders	2	8.00	65	0.37
P3 Building Construction 2 (mo. 5)	Tractors/Loaders/Backhoes	0	0.00	97	0.37
P3 Building Construction 2 (mo. 5)	Welders	0	0.00	46	0.45
P4 Paving	Pavers	2	8.00	130	0.42
P4 Paving	Paving Equipment	2	8.00	132	0.36
P4 Paving	Rollers	2	8.00	80	0.38
P4 Site Preparation (mo. 1)	Cement and Mortar Mixers	1	8.00	9	0.56
P4 Site Preparation (mo. 1)	Graders	1	8.00	187	0.41
P4 Site Preparation (mo. 1)	Pumps	1	8.00	84	0.74
P4 Site Preparation (mo. 1)	Rubber Tired Dozers	0	0.00	247	0.40
P4 Site Preparation (mo. 1)	Skid Steer Loaders	1	8.00	65	0.37
P4 Site Preparation (mo. 1)	Tractors/Loaders/Backhoes	0	0.00	97	0.37
P4 Site Preparation (mo. 1)	Trenchers	1	8.00	78	0.50
P4 Building Construction 1 (mo. 2-4)	Cranes	0	0.00	231	0.29
P4 Building Construction 1 (mo. 2-4)	Forklifts	0	0.00	89	0.20
P4 Building Construction 1 (mo. 2-4)	Generator Sets	0	0.00	84	0.74
P4 Building Construction 1 (mo. 2-4)	Rough Terrain Forklifts	1	8.00	100	0.40
P4 Building Construction 1 (mo. 2-4)	Tractors/Loaders/Backhoes	1	8.00	97	0.37

P4 Building Construction 1 (mo. 2-4)	Welders	0	0.00	46	0.45
P4 Architectural Coating	Air Compressors	2	8.00	78	0.48
P4 Building Construction 2 (mo. 5)	Cement and Mortar Mixers	1	8.00	9	0.56
P4 Building Construction 2 (mo. 5)	Cranes	0	0.00	231	0.29
P4 Building Construction 2 (mo. 5)	Forklifts	0	0.00	89	0.20
P4 Building Construction 2 (mo. 5)	Generator Sets	0	0.00	84	0.74
P4 Building Construction 2 (mo. 5)	Rough Terrain Forklifts	1	8.00	100	0.40
P4 Building Construction 2 (mo. 5)	Skid Steer Loaders	2	8.00	65	0.37
P4 Building Construction 2 (mo. 5)	Tractors/Loaders/Backhoes	0	0.00	97	0.37
P4 Building Construction 2 (mo. 5)	Welders	0	0.00	46	0.45
P5 Paving	Pavers	2	8.00	130	0.42
P5 Paving	Paving Equipment	2	8.00	132	0.36
P5 Paving	Rollers	2	8.00	80	0.38
P5 Site Preparation (mo. 1)	Cement and Mortar Mixers	1	8.00	9	0.56
P5 Site Preparation (mo. 1)	Graders	1	8.00	187	0.41
P5 Site Preparation (mo. 1)	Pumps	1	8.00	84	0.74
P5 Site Preparation (mo. 1)	Rubber Tired Dozers	0	0.00	247	0.40
P5 Site Preparation (mo. 1)	Skid Steer Loaders	1	8.00	65	0.37
P5 Site Preparation (mo. 1)	Tractors/Loaders/Backhoes	0	0.00	97	0.37
P5 Site Preparation (mo. 1)	Trenchers	1	8.00	78	0.50
P5 Building Construction 1 (mo. 2-4)	Cranes	0	0.00	231	0.29
P5 Building Construction 1 (mo. 2-4)	Forklifts	0	0.00	89	0.20
P5 Building Construction 1 (mo. 2-4)	Generator Sets	0	0.00	84	0.74
P5 Building Construction 1 (mo. 2-4)	Rough Terrain Forklifts	1	8.00	100	0.40
P5 Building Construction 1 (mo. 2-4)	Tractors/Loaders/Backhoes	1	8.00	97	0.37
P5 Building Construction 1 (mo. 2-4)	Welders	0	0.00	46	0.45
P5 Architectural Coating	Air Compressors	2	8.00	78	0.48
P5 Building Construction 2 (mo. 5)	Cement and Mortar Mixers	1	8.00	9	0.56
P5 Building Construction 2 (mo. 5)	Cranes	0	0.00	231	0.29

P5 Building Construction 2 (mo. 5)	Forklifts	0	0.00	89	0.20
P5 Building Construction 2 (mo. 5)	Generator Sets	0	0.00	84	0.74
P5 Building Construction 2 (mo. 5)	Rough Terrain Forklifts	1	8.00	100	0.40
P5 Building Construction 2 (mo. 5)	Skid Steer Loaders	2	8.00	65	0.37
P5 Building Construction 2 (mo. 5)	Tractors/Loaders/Backhoes	0	0.00	97	0.37
P5 Building Construction 2 (mo. 5)	Welders	0	0.00	46	0.45

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Site Preparation -1	8	0.00	4.00	0.00	10.80	0.15	20.00	LD_Mix	HDT_Mix	HHDT
Utilities -1	2	0.00	4.00	0.00	10.80	0.15	20.00	LD_Mix	HDT_Mix	HHDT
Grading -1	8	0.00	4.00	232.00	10.80	0.15	0.50	LD_Mix	HDT_Mix	MHDT
P1 Paving	6	0.00	4.00	0.00	10.80	0.15	20.00	LD_Mix	HDT_Mix	HHDT
P1 Site Preparation (mo. 1)	5	0.00	2.00	0.00	10.80	0.15	20.00	LD_Mix	HDT_Mix	HHDT
P1 Building Construction 1 (mo. 2-	2	0.00	2.00	0.00	10.80	0.15	20.00	LD_Mix	HDT_Mix	HHDT
P1 Architectural Coating	2	0.00	2.00	0.00	10.80	0.15	20.00	LD_Mix	HDT_Mix	HHDT
P1 Building Construction 2 (mo. 5)	4	0.00	2.00	0.00	10.80	0.15	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation -2	8	0.00	4.00	0.00	10.80	0.15	20.00	LD_Mix	HDT_Mix	HHDT
Grading -2	8	0.00	4.00	2,731.00	10.80	0.15	0.50	LD_Mix	HDT_Mix	MHDT
Utilities -2	2	0.00	4.00	0.00	10.80	0.15	20.00	LD_Mix	HDT_Mix	HHDT
P2 Paving	6	0.00	4.00	0.00	10.80	0.15	20.00	LD_Mix	HDT_Mix	HHDT
P2 Site Preparation (mo. 1)	5	0.00	2.00	0.00	10.80	0.15	20.00	LD_Mix	HDT_Mix	HHDT
P2 Building Construction 1 (mo. 2-	2	0.00	2.00	0.00	10.80	0.15	20.00	LD_Mix	HDT_Mix	HHDT
P2 Architectural Coating	2	0.00	4.00	0.00	10.80	0.15	20.00	LD_Mix	HDT_Mix	HHDT
P2 Building Construction 2 (mo. 5)	4	0.00	2.00	0.00	10.80	0.15	20.00	LD_Mix	HDT_Mix	HHDT
P3 Paving	6	0.00	10.00	0.00	10.80	0.15	20.00	LD_Mix	HDT_Mix	HHDT
P3 Site Preparation (mo. 1)	5	0.00	2.00	0.00	10.80	0.15	20.00	LD_Mix	HDT_Mix	HHDT
P3 Building Construction 1 (mo. 2-	2	0.00	2.00	0.00	10.80	0.15	20.00	LD_Mix	HDT_Mix	HHDT
P3 Architectural Coating	2	0.00	4.00	0.00	10.80	0.15	20.00	LD_Mix	HDT_Mix	HHDT
P3 Building Construction 2 (mo. 5)	4	0.00	2.00	0.00	10.80	0.15	20.00	LD_Mix	HDT_Mix	HHDT
P4 Paving	6	0.00	10.00	0.00	10.80	0.15	20.00	LD_Mix	HDT_Mix	HHDT
P4 Site Preparation (mo. 1)	5	0.00	2.00	0.00	10.80	0.15	20.00	LD_Mix	HDT_Mix	HHDT
P4 Building Construction 1 (mo. 2-	2	0.00	2.00	0.00	10.80	0.15	20.00	LD_Mix	HDT_Mix	HHDT
P4 Architectural Coating	2	0.00	4.00	0.00	10.80	0.15	20.00	LD_Mix	HDT_Mix	HHDT
P4 Building Construction 2 (mo. 5)	4	0.00	2.00	0.00	10.80	0.15	20.00	LD_Mix	HDT_Mix	HHDT

P5 Paving	6	0.00	10.00	0.00	10.80	0.15	20.00	LD_Mix	HDT_Mix	HHDT
P5 Site Preparation (mo. 1)	5	0.00	2.00	0.00	10.80	0.15	20.00	LD_Mix	HDT_Mix	HHDT
P5 Building Construction 1 (mo. 2-	2	0.00	2.00	0.00	10.80	0.15	20.00	LD_Mix	HDT_Mix	HHDT
P5 Architectural Coating	2	0.00	4.00	0.00	10.80	0.15	20.00	LD_Mix	HDT_Mix	HHDT
P5 Building Construction 2 (mo. 5)	4	0.00	2.00	0.00	10.80	0.15	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

Water Unpaved Roads

Reduce Vehicle Speed on Unpaved Roads

3.2 Site Preparation -1 - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.1807	0.0000	0.1807	0.0993	0.0000	0.0993	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0301	0.3096	0.2225	4.4000e-004		0.0145	0.0145		0.0133	0.0133	0.0000	38.8780	38.8780	0.0126	0.0000	39.1924
Total	**0.0301**	**0.3096**	**0.2225**	**4.4000e-004**	**0.1807**	**0.0145**	**0.1951**	**0.0993**	**0.0133**	**0.1126**	**0.0000**	**38.8780**	**38.8780**	**0.0126**	**0.0000**	**39.1924**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	4.0000e-005	2.0700e-003	4.9000e-004	0.0000	7.8700e-003	0.0000	7.8700e-003	7.9000e-004	0.0000	7.9000e-004	0.0000	0.2164	0.2164	3.0000e-005	0.0000	0.2171
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**4.0000e-005**	**2.0700e-003**	**4.9000e-004**	**0.0000**	**7.8700e-003**	**0.0000**	**7.8700e-003**	**7.9000e-004**	**0.0000**	**7.9000e-004**	**0.0000**	**0.2164**	**0.2164**	**3.0000e-005**	**0.0000**	**0.2171**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0705	0.0000	0.0705	0.0387	0.0000	0.0387	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0301	0.3096	0.2225	4.4000e-004		0.0145	0.0145		0.0133	0.0133	0.0000	38.8780	38.8780	0.0126	0.0000	39.1923
Total	**0.0301**	**0.3096**	**0.2225**	**4.4000e-004**	**0.0705**	**0.0145**	**0.0849**	**0.0387**	**0.0133**	**0.0520**	**0.0000**	**38.8780**	**38.8780**	**0.0126**	**0.0000**	**39.1923**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	4.0000e-005	2.0700e-003	4.9000e-004	0.0000	4.8200e-003	0.0000	4.8200e-003	4.8000e-004	0.0000	4.8000e-004	0.0000	0.2164	0.2164	3.0000e-005	0.0000	0.2171
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**4.0000e-005**	**2.0700e-003**	**4.9000e-004**	**0.0000**	**4.8200e-003**	**0.0000**	**4.8200e-003**	**4.8000e-004**	**0.0000**	**4.8000e-004**	**0.0000**	**0.2164**	**0.2164**	**3.0000e-005**	**0.0000**	**0.2171**

3.3 Utilities -1 - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0103	0.0946	0.1073	2.6000e-004		3.7100e-003	3.7100e-003		3.4100e-003	3.4100e-003	0.0000	22.5685	22.5685	7.3000e-003	0.0000	22.7510
Total	**0.0103**	**0.0946**	**0.1073**	**2.6000e-004**	**0.0000**	**3.7100e-003**	**3.7100e-003**	**0.0000**	**3.4100e-003**	**3.4100e-003**	**0.0000**	**22.5685**	**22.5685**	**7.3000e-003**	**0.0000**	**22.7510**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	9.0000e-005	4.6500e-003	1.1000e-003	0.0000	0.0177	0.0000	0.0177	1.7700e-003	0.0000	1.7700e-003	0.0000	0.4868	0.4868	7.0000e-005	0.0000	0.4886
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**9.0000e-005**	**4.6500e-003**	**1.1000e-003**	**0.0000**	**0.0177**	**0.0000**	**0.0177**	**1.7700e-003**	**0.0000**	**1.7700e-003**	**0.0000**	**0.4868**	**0.4868**	**7.0000e-005**	**0.0000**	**0.4886**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0103	0.0946	0.1073	2.6000e-004		3.7100e-003	3.7100e-003		3.4100e-003	3.4100e-003	0.0000	22.5685	22.5685	7.3000e-003	0.0000	22.7509
Total	**0.0103**	**0.0946**	**0.1073**	**2.6000e-004**	**0.0000**	**3.7100e-003**	**3.7100e-003**	**0.0000**	**3.4100e-003**	**3.4100e-003**	**0.0000**	**22.5685**	**22.5685**	**7.3000e-003**	**0.0000**	**22.7509**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	9.0000e-005	4.6500e-003	1.1000e-003	0.0000	0.0108	0.0000	0.0108	1.0800e-003	0.0000	1.0800e-003	0.0000	0.4868	0.4868	7.0000e-005	0.0000	0.4886
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**9.0000e-005**	**4.6500e-003**	**1.1000e-003**	**0.0000**	**0.0108**	**0.0000**	**0.0108**	**1.0800e-003**	**0.0000**	**1.0800e-003**	**0.0000**	**0.4868**	**0.4868**	**7.0000e-005**	**0.0000**	**0.4886**

3.4 Grading -1 - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.8881	0.0000	0.8881	0.1252	0.0000	0.1252	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0365	0.3797	0.3086	6.8000e-004		0.0157	0.0157		0.0144	0.0144	0.0000	59.9887	59.9887	0.0194	0.0000	60.4738
Total	**0.0365**	**0.3797**	**0.3086**	**6.8000e-004**	**0.8881**	**0.0157**	**0.9038**	**0.1252**	**0.0144**	**0.1396**	**0.0000**	**59.9887**	**59.9887**	**0.0194**	**0.0000**	**60.4738**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	1.1000e-004	3.1100e-003	1.5000e-003	0.0000	0.0760	0.0000	0.0760	7.5900e-003	0.0000	7.5900e-003	0.0000	0.2124	0.2124	2.0000e-005	0.0000	0.2128
Vendor	5.0000e-005	2.2700e-003	5.4000e-004	0.0000	8.6500e-003	0.0000	8.6500e-003	8.6000e-004	0.0000	8.6000e-004	0.0000	0.2380	0.2380	3.0000e-005	0.0000	0.2389
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**1.6000e-004**	**5.3800e-003**	**2.0400e-003**	**0.0000**	**0.0847**	**0.0000**	**0.0847**	**8.4500e-003**	**0.0000**	**8.4500e-003**	**0.0000**	**0.4504**	**0.4504**	**5.0000e-005**	**0.0000**	**0.4517**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.3464	0.0000	0.3464	0.0488	0.0000	0.0488	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0365	0.3797	0.3086	6.8000e-004		0.0157	0.0157		0.0144	0.0144	0.0000	59.9887	59.9887	0.0194	0.0000	60.4737
Total	**0.0365**	**0.3797**	**0.3086**	**6.8000e-004**	**0.3464**	**0.0157**	**0.3620**	**0.0488**	**0.0144**	**0.0632**	**0.0000**	**59.9887**	**59.9887**	**0.0194**	**0.0000**	**60.4737**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	1.1000e-004	3.1100e-003	1.5000e-003	0.0000	0.0466	0.0000	0.0466	4.6500e-003	0.0000	4.6500e-003	0.0000	0.2124	0.2124	2.0000e-005	0.0000	0.2128
Vendor	5.0000e-005	2.2700e-003	5.4000e-004	0.0000	5.3000e-003	0.0000	5.3000e-003	5.3000e-004	0.0000	5.3000e-004	0.0000	0.2380	0.2380	3.0000e-005	0.0000	0.2389
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**1.6000e-004**	**5.3800e-003**	**2.0400e-003**	**0.0000**	**0.0519**	**0.0000**	**0.0519**	**5.1800e-003**	**0.0000**	**5.1800e-003**	**0.0000**	**0.4504**	**0.4504**	**5.0000e-005**	**0.0000**	**0.4517**

3.5 P1 Paving - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0114	0.1121	0.1604	2.5000e-004		5.6100e-003	5.6100e-003		5.1600e-003	5.1600e-003	0.0000	22.0296	22.0296	7.1200e-003	0.0000	22.2077
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0114**	**0.1121**	**0.1604**	**2.5000e-004**		**5.6100e-003**	**5.6100e-003**		**5.1600e-003**	**5.1600e-003**	**0.0000**	**22.0296**	**22.0296**	**7.1200e-003**	**0.0000**	**22.2077**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	5.0000e-005	2.2700e-003	5.4000e-004	0.0000	8.6500e-003	0.0000	8.6500e-003	8.6000e-004	0.0000	8.6000e-004	0.0000	0.2380	0.2380	3.0000e-005	0.0000	0.2389
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**5.0000e-005**	**2.2700e-003**	**5.4000e-004**	**0.0000**	**8.6500e-003**	**0.0000**	**8.6500e-003**	**8.6000e-004**	**0.0000**	**8.6000e-004**	**0.0000**	**0.2380**	**0.2380**	**3.0000e-005**	**0.0000**	**0.2389**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0114	0.1121	0.1604	2.5000e-004		5.6100e-003	5.6100e-003		5.1600e-003	5.1600e-003	0.0000	22.0295	22.0295	7.1200e-003	0.0000	22.2077
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0114**	**0.1121**	**0.1604**	**2.5000e-004**		**5.6100e-003**	**5.6100e-003**		**5.1600e-003**	**5.1600e-003**	**0.0000**	**22.0295**	**22.0295**	**7.1200e-003**	**0.0000**	**22.2077**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	5.0000e-005	2.2700e-003	5.4000e-004	0.0000	5.3000e-003	0.0000	5.3000e-003	5.3000e-004	0.0000	5.3000e-004	0.0000	0.2380	0.2380	3.0000e-005	0.0000	0.2389
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**5.0000e-005**	**2.2700e-003**	**5.4000e-004**	**0.0000**	**5.3000e-003**	**0.0000**	**5.3000e-003**	**5.3000e-004**	**0.0000**	**5.3000e-004**	**0.0000**	**0.2380**	**0.2380**	**3.0000e-005**	**0.0000**	**0.2389**

3.6 P1 Site Preparation (mo. 1) - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0124	0.1247	0.1019	2.0000e-004		5.8100e-003	5.8100e-003		5.4700e-003	5.4700e-003	0.0000	17.5467	17.5467	3.9200e-003	0.0000	17.6448
Total	**0.0124**	**0.1247**	**0.1019**	**2.0000e-004**	**0.0000**	**5.8100e-003**	**5.8100e-003**	**0.0000**	**5.4700e-003**	**5.4700e-003**	**0.0000**	**17.5467**	**17.5467**	**3.9200e-003**	**0.0000**	**17.6448**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.0000e-005	1.0800e-003	2.6000e-004	0.0000	4.1300e-003	0.0000	4.1300e-003	4.1000e-004	0.0000	4.1000e-004	0.0000	0.1136	0.1136	2.0000e-005	0.0000	0.1140
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**2.0000e-005**	**1.0800e-003**	**2.6000e-004**	**0.0000**	**4.1300e-003**	**0.0000**	**4.1300e-003**	**4.1000e-004**	**0.0000**	**4.1000e-004**	**0.0000**	**0.1136**	**0.1136**	**2.0000e-005**	**0.0000**	**0.1140**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0124	0.1247	0.1019	2.0000e-004		5.8100e-003	5.8100e-003		5.4700e-003	5.4700e-003	0.0000	17.5467	17.5467	3.9200e-003	0.0000	17.6448
Total	**0.0124**	**0.1247**	**0.1019**	**2.0000e-004**	**0.0000**	**5.8100e-003**	**5.8100e-003**	**0.0000**	**5.4700e-003**	**5.4700e-003**	**0.0000**	**17.5467**	**17.5467**	**3.9200e-003**	**0.0000**	**17.6448**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.0000e-005	1.0800e-003	2.6000e-004	0.0000	2.5300e-003	0.0000	2.5300e-003	2.5000e-004	0.0000	2.5000e-004	0.0000	0.1136	0.1136	2.0000e-005	0.0000	0.1140
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**2.0000e-005**	**1.0800e-003**	**2.6000e-004**	**0.0000**	**2.5300e-003**	**0.0000**	**2.5300e-003**	**2.5000e-004**	**0.0000**	**2.5000e-004**	**0.0000**	**0.1136**	**0.1136**	**2.0000e-005**	**0.0000**	**0.1140**

3.7 P1 Building Construction 1 (mo. 2-4) - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	8.4900e-003	0.0969	0.1491	2.2000e-004		3.9900e-003	3.9900e-003		3.6700e-003	3.6700e-003	0.0000	19.0214	19.0214	6.1500e-003	0.0000	19.1752
Total	**8.4900e-003**	**0.0969**	**0.1491**	**2.2000e-004**		**3.9900e-003**	**3.9900e-003**		**3.6700e-003**	**3.6700e-003**	**0.0000**	**19.0214**	**19.0214**	**6.1500e-003**	**0.0000**	**19.1752**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	7.0000e-005	3.4100e-003	8.1000e-004	0.0000	0.0130	0.0000	0.0130	1.3000e-003	0.0000	1.3000e-003	0.0000	0.3570	0.3570	5.0000e-005	0.0000	0.3583
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**7.0000e-005**	**3.4100e-003**	**8.1000e-004**	**0.0000**	**0.0130**	**0.0000**	**0.0130**	**1.3000e-003**	**0.0000**	**1.3000e-003**	**0.0000**	**0.3570**	**0.3570**	**5.0000e-005**	**0.0000**	**0.3583**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	8.4900e-003	0.0969	0.1491	2.2000e-004		3.9900e-003	3.9900e-003		3.6700e-003	3.6700e-003	0.0000	19.0214	19.0214	6.1500e-003	0.0000	19.1752
Total	**8.4900e-003**	**0.0969**	**0.1491**	**2.2000e-004**		**3.9900e-003**	**3.9900e-003**		**3.6700e-003**	**3.6700e-003**	**0.0000**	**19.0214**	**19.0214**	**6.1500e-003**	**0.0000**	**19.1752**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	7.0000e-005	3.4100e-003	8.1000e-004	0.0000	7.9500e-003	0.0000	7.9500e-003	7.9000e-004	0.0000	7.9000e-004	0.0000	0.3570	0.3570	5.0000e-005	0.0000	0.3583
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**7.0000e-005**	**3.4100e-003**	**8.1000e-004**	**0.0000**	**7.9500e-003**	**0.0000**	**7.9500e-003**	**7.9000e-004**	**0.0000**	**7.9000e-004**	**0.0000**	**0.3570**	**0.3570**	**5.0000e-005**	**0.0000**	**0.3583**

3.8 P1 Architectural Coating - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	2.3118					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0110	0.0747	0.1038	1.7000e-004		4.0600e-003	4.0600e-003		4.0600e-003	4.0600e-003	0.0000	14.6387	14.6387	8.8000e-004	0.0000	14.6606
Total	**2.3228**	**0.0747**	**0.1038**	**1.7000e-004**		**4.0600e-003**	**4.0600e-003**		**4.0600e-003**	**4.0600e-003**	**0.0000**	**14.6387**	**14.6387**	**8.8000e-004**	**0.0000**	**14.6606**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	4.0000e-005	2.2200e-003	5.3000e-004	0.0000	8.4500e-003	0.0000	8.4600e-003	8.4000e-004	0.0000	8.5000e-004	0.0000	0.2326	0.2326	3.0000e-005	0.0000	0.2334
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**4.0000e-005**	**2.2200e-003**	**5.3000e-004**	**0.0000**	**8.4500e-003**	**0.0000**	**8.4600e-003**	**8.4000e-004**	**0.0000**	**8.5000e-004**	**0.0000**	**0.2326**	**0.2326**	**3.0000e-005**	**0.0000**	**0.2334**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	2.3118					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0110	0.0747	0.1038	1.7000e-004		4.0600e-003	4.0600e-003		4.0600e-003	4.0600e-003	0.0000	14.6386	14.6386	8.8000e-004	0.0000	14.6605
Total	**2.3228**	**0.0747**	**0.1038**	**1.7000e-004**		**4.0600e-003**	**4.0600e-003**		**4.0600e-003**	**4.0600e-003**	**0.0000**	**14.6386**	**14.6386**	**8.8000e-004**	**0.0000**	**14.6605**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	4.0000e-005	2.2200e-003	5.3000e-004	0.0000	5.1800e-003	0.0000	5.1800e-003	5.2000e-004	0.0000	5.2000e-004	0.0000	0.2326	0.2326	3.0000e-005	0.0000	0.2334
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**4.0000e-005**	**2.2200e-003**	**5.3000e-004**	**0.0000**	**5.1800e-003**	**0.0000**	**5.1800e-003**	**5.2000e-004**	**0.0000**	**5.2000e-004**	**0.0000**	**0.2326**	**0.2326**	**3.0000e-005**	**0.0000**	**0.2334**

3.9 P1 Building Construction 2 (mo. 5) - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	3.2400e-003	0.0385	0.0590	9.0000e-005		1.3000e-003	1.3000e-003		1.2000e-003	1.2000e-003	0.0000	7.8365	7.8365	2.4200e-003	0.0000	7.8971
Total	**3.2400e-003**	**0.0385**	**0.0590**	**9.0000e-005**		**1.3000e-003**	**1.3000e-003**		**1.2000e-003**	**1.2000e-003**	**0.0000**	**7.8365**	**7.8365**	**2.4200e-003**	**0.0000**	**7.8971**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.0000e-005	1.1400e-003	2.7000e-004	0.0000	4.3300e-003	0.0000	4.3300e-003	4.3000e-004	0.0000	4.3000e-004	0.0000	0.1190	0.1190	2.0000e-005	0.0000	0.1194
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**2.0000e-005**	**1.1400e-003**	**2.7000e-004**	**0.0000**	**4.3300e-003**	**0.0000**	**4.3300e-003**	**4.3000e-004**	**0.0000**	**4.3000e-004**	**0.0000**	**0.1190**	**0.1190**	**2.0000e-005**	**0.0000**	**0.1194**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	3.2400e-003	0.0385	0.0590	9.0000e-005		1.3000e-003	1.3000e-003		1.2000e-003	1.2000e-003	0.0000	7.8365	7.8365	2.4200e-003	0.0000	7.8970
Total	**3.2400e-003**	**0.0385**	**0.0590**	**9.0000e-005**		**1.3000e-003**	**1.3000e-003**		**1.2000e-003**	**1.2000e-003**	**0.0000**	**7.8365**	**7.8365**	**2.4200e-003**	**0.0000**	**7.8970**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.0000e-005	1.1400e-003	2.7000e-004	0.0000	2.6500e-003	0.0000	2.6500e-003	2.6000e-004	0.0000	2.6000e-004	0.0000	0.1190	0.1190	2.0000e-005	0.0000	0.1194
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**2.0000e-005**	**1.1400e-003**	**2.7000e-004**	**0.0000**	**2.6500e-003**	**0.0000**	**2.6500e-003**	**2.6000e-004**	**0.0000**	**2.6000e-004**	**0.0000**	**0.1190**	**0.1190**	**2.0000e-005**	**0.0000**	**0.1194**

3.10 Site Preparation -2 - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.2078	0.0000	0.2078	0.1142	0.0000	0.1142	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0344	0.3495	0.2570	5.1000e-004		0.0160	0.0160		0.0148	0.0148	0.0000	44.7169	44.7169	0.0145	0.0000	45.0784
Total	**0.0344**	**0.3495**	**0.2570**	**5.1000e-004**	**0.2078**	**0.0160**	**0.2238**	**0.1142**	**0.0148**	**0.1290**	**0.0000**	**44.7169**	**44.7169**	**0.0145**	**0.0000**	**45.0784**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	4.0000e-005	2.3500e-003	5.3000e-004	0.0000	9.0400e-003	0.0000	9.0500e-003	9.0000e-004	0.0000	9.0000e-004	0.0000	0.2458	0.2458	3.0000e-005	0.0000	0.2466
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**4.0000e-005**	**2.3500e-003**	**5.3000e-004**	**0.0000**	**9.0400e-003**	**0.0000**	**9.0500e-003**	**9.0000e-004**	**0.0000**	**9.0000e-004**	**0.0000**	**0.2458**	**0.2458**	**3.0000e-005**	**0.0000**	**0.2466**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0810	0.0000	0.0810	0.0445	0.0000	0.0445	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0344	0.3495	0.2570	5.1000e-004		0.0160	0.0160		0.0148	0.0148	0.0000	44.7168	44.7168	0.0145	0.0000	45.0784
Total	**0.0344**	**0.3495**	**0.2570**	**5.1000e-004**	**0.0810**	**0.0160**	**0.0971**	**0.0445**	**0.0148**	**0.0593**	**0.0000**	**44.7168**	**44.7168**	**0.0145**	**0.0000**	**45.0784**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	4.0000e-005	2.3500e-003	5.3000e-004	0.0000	5.5400e-003	0.0000	5.5400e-003	5.5000e-004	0.0000	5.5000e-004	0.0000	0.2458	0.2458	3.0000e-005	0.0000	0.2466
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**4.0000e-005**	**2.3500e-003**	**5.3000e-004**	**0.0000**	**5.5400e-003**	**0.0000**	**5.5400e-003**	**5.5000e-004**	**0.0000**	**5.5000e-004**	**0.0000**	**0.2458**	**0.2458**	**3.0000e-005**	**0.0000**	**0.2466**

3.11 Grading -2 - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					1.1441	0.0000	1.1441	0.2658	0.0000	0.2658	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.1722	1.7322	1.4832	3.3200e-003		0.0714	0.0714		0.0657	0.0657	0.0000	291.6795	291.6795	0.0943	0.0000	294.0378
Total	**0.1722**	**1.7322**	**1.4832**	**3.3200e-003**	**1.1441**	**0.0714**	**1.2155**	**0.2658**	**0.0657**	**0.3316**	**0.0000**	**291.6795**	**291.6795**	**0.0943**	**0.0000**	**294.0378**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	1.1600e-003	0.0367	0.0161	3.0000e-005	0.8949	1.0000e-005	0.8949	0.0894	1.0000e-005	0.0894	0.0000	2.4948	2.4948	1.7000e-004	0.0000	2.4990
Vendor	2.1000e-004	0.0110	2.4700e-003	1.0000e-005	0.0421	0.0000	0.0421	4.2000e-003	0.0000	4.2100e-003	0.0000	1.1433	1.1433	1.6000e-004	0.0000	1.1473
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**1.3700e-003**	**0.0477**	**0.0185**	**4.0000e-005**	**0.9370**	**1.0000e-005**	**0.9370**	**0.0936**	**1.0000e-005**	**0.0936**	**0.0000**	**3.6381**	**3.6381**	**3.3000e-004**	**0.0000**	**3.6463**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.4462	0.0000	0.4462	0.1037	0.0000	0.1037	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.1722	1.7322	1.4832	3.3200e-003		0.0714	0.0714		0.0657	0.0657	0.0000	291.6791	291.6791	0.0943	0.0000	294.0375
Total	**0.1722**	**1.7322**	**1.4832**	**3.3200e-003**	**0.4462**	**0.0714**	**0.5176**	**0.1037**	**0.0657**	**0.1694**	**0.0000**	**291.6791**	**291.6791**	**0.0943**	**0.0000**	**294.0375**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	1.1600e-003	0.0367	0.0161	3.0000e-005	0.5480	1.0000e-005	0.5480	0.0547	1.0000e-005	0.0547	0.0000	2.4948	2.4948	1.7000e-004	0.0000	2.4990
Vendor	2.1000e-004	0.0110	2.4700e-003	1.0000e-005	0.0258	0.0000	0.0258	2.5700e-003	0.0000	2.5800e-003	0.0000	1.1433	1.1433	1.6000e-004	0.0000	1.1473
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**1.3700e-003**	**0.0477**	**0.0185**	**4.0000e-005**	**0.5738**	**1.0000e-005**	**0.5738**	**0.0573**	**1.0000e-005**	**0.0573**	**0.0000**	**3.6381**	**3.6381**	**3.3000e-004**	**0.0000**	**3.6463**

3.12 Utilities -2 - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0237	0.2033	0.2595	6.2000e-004		8.0100e-003	8.0100e-003		7.3700e-003	7.3700e-003	0.0000	54.6715	54.6715	0.0177	0.0000	55.1135
Total	**0.0237**	**0.2033**	**0.2595**	**6.2000e-004**	**0.0000**	**8.0100e-003**	**8.0100e-003**	**0.0000**	**7.3700e-003**	**7.3700e-003**	**0.0000**	**54.6715**	**54.6715**	**0.0177**	**0.0000**	**55.1135**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.1000e-004	0.0112	2.5200e-003	1.0000e-005	0.0429	0.0000	0.0429	4.2800e-003	0.0000	4.2800e-003	0.0000	1.1647	1.1647	1.6000e-004	0.0000	1.1687
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**2.1000e-004**	**0.0112**	**2.5200e-003**	**1.0000e-005**	**0.0429**	**0.0000**	**0.0429**	**4.2800e-003**	**0.0000**	**4.2800e-003**	**0.0000**	**1.1647**	**1.1647**	**1.6000e-004**	**0.0000**	**1.1687**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0237	0.2033	0.2595	6.2000e-004		8.0100e-003	8.0100e-003		7.3700e-003	7.3700e-003	0.0000	54.6714	54.6714	0.0177	0.0000	55.1135
Total	**0.0237**	**0.2033**	**0.2595**	**6.2000e-004**	**0.0000**	**8.0100e-003**	**8.0100e-003**	**0.0000**	**7.3700e-003**	**7.3700e-003**	**0.0000**	**54.6714**	**54.6714**	**0.0177**	**0.0000**	**55.1135**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.1000e-004	0.0112	2.5200e-003	1.0000e-005	0.0263	0.0000	0.0263	2.6200e-003	0.0000	2.6200e-003	0.0000	1.1647	1.1647	1.6000e-004	0.0000	1.1687
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**2.1000e-004**	**0.0112**	**2.5200e-003**	**1.0000e-005**	**0.0263**	**0.0000**	**0.0263**	**2.6200e-003**	**0.0000**	**2.6200e-003**	**0.0000**	**1.1647**	**1.1647**	**1.6000e-004**	**0.0000**	**1.1687**

3.13 P2 Paving - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0114	0.1095	0.1682	2.6000e-004		5.3900e-003	5.3900e-003		4.9600e-003	4.9600e-003	0.0000	23.0305	23.0305	7.4500e-003	0.0000	23.2167
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0114**	**0.1095**	**0.1682**	**2.6000e-004**		**5.3900e-003**	**5.3900e-003**		**4.9600e-003**	**4.9600e-003**	**0.0000**	**23.0305**	**23.0305**	**7.4500e-003**	**0.0000**	**23.2167**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	4.0000e-005	2.3500e-003	5.3000e-004	0.0000	9.0400e-003	0.0000	9.0500e-003	9.0000e-004	0.0000	9.0000e-004	0.0000	0.2458	0.2458	3.0000e-005	0.0000	0.2466
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**4.0000e-005**	**2.3500e-003**	**5.3000e-004**	**0.0000**	**9.0400e-003**	**0.0000**	**9.0500e-003**	**9.0000e-004**	**0.0000**	**9.0000e-004**	**0.0000**	**0.2458**	**0.2458**	**3.0000e-005**	**0.0000**	**0.2466**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0114	0.1095	0.1682	2.6000e-004		5.3900e-003	5.3900e-003		4.9600e-003	4.9600e-003	0.0000	23.0305	23.0305	7.4500e-003	0.0000	23.2167
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0114**	**0.1095**	**0.1682**	**2.6000e-004**		**5.3900e-003**	**5.3900e-003**		**4.9600e-003**	**4.9600e-003**	**0.0000**	**23.0305**	**23.0305**	**7.4500e-003**	**0.0000**	**23.2167**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	4.0000e-005	2.3500e-003	5.3000e-004	0.0000	5.5400e-003	0.0000	5.5400e-003	5.5000e-004	0.0000	5.5000e-004	0.0000	0.2458	0.2458	3.0000e-005	0.0000	0.2466
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**4.0000e-005**	**2.3500e-003**	**5.3000e-004**	**0.0000**	**5.5400e-003**	**0.0000**	**5.5400e-003**	**5.5000e-004**	**0.0000**	**5.5000e-004**	**0.0000**	**0.2458**	**0.2458**	**3.0000e-005**	**0.0000**	**0.2466**

3.14 P2 Site Preparation (mo. 1) - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0123	0.1220	0.1063	2.1000e-004		5.6300e-003	5.6300e-003		5.2900e-003	5.2900e-003	0.0000	18.3792	18.3792	4.1000e-003	0.0000	18.4816
Total	**0.0123**	**0.1220**	**0.1063**	**2.1000e-004**	**0.0000**	**5.6300e-003**	**5.6300e-003**	**0.0000**	**5.2900e-003**	**5.2900e-003**	**0.0000**	**18.3792**	**18.3792**	**4.1000e-003**	**0.0000**	**18.4816**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.0000e-005	1.1300e-003	2.5000e-004	0.0000	4.3300e-003	0.0000	4.3300e-003	4.3000e-004	0.0000	4.3000e-004	0.0000	0.1175	0.1175	2.0000e-005	0.0000	0.1179
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**2.0000e-005**	**1.1300e-003**	**2.5000e-004**	**0.0000**	**4.3300e-003**	**0.0000**	**4.3300e-003**	**4.3000e-004**	**0.0000**	**4.3000e-004**	**0.0000**	**0.1175**	**0.1175**	**2.0000e-005**	**0.0000**	**0.1179**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0123	0.1220	0.1063	2.1000e-004		5.6300e-003	5.6300e-003		5.2900e-003	5.2900e-003	0.0000	18.3792	18.3792	4.1000e-003	0.0000	18.4816
Total	**0.0123**	**0.1220**	**0.1063**	**2.1000e-004**	**0.0000**	**5.6300e-003**	**5.6300e-003**	**0.0000**	**5.2900e-003**	**5.2900e-003**	**0.0000**	**18.3792**	**18.3792**	**4.1000e-003**	**0.0000**	**18.4816**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.0000e-005	1.1300e-003	2.5000e-004	0.0000	2.6500e-003	0.0000	2.6500e-003	2.6000e-004	0.0000	2.6000e-004	0.0000	0.1175	0.1175	2.0000e-005	0.0000	0.1179
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**2.0000e-005**	**1.1300e-003**	**2.5000e-004**	**0.0000**	**2.6500e-003**	**0.0000**	**2.6500e-003**	**2.6000e-004**	**0.0000**	**2.6000e-004**	**0.0000**	**0.1175**	**0.1175**	**2.0000e-005**	**0.0000**	**0.1179**

3.15 P2 Building Construction 1 (mo. 2-4) - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	8.0100e-003	0.0910	0.1471	2.1000e-004		3.5000e-003	3.5000e-003		3.2200e-003	3.2200e-003	0.0000	18.7369	18.7369	6.0600e-003	0.0000	18.8884
Total	**8.0100e-003**	**0.0910**	**0.1471**	**2.1000e-004**		**3.5000e-003**	**3.5000e-003**		**3.2200e-003**	**3.2200e-003**	**0.0000**	**18.7369**	**18.7369**	**6.0600e-003**	**0.0000**	**18.8884**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	6.0000e-005	3.3300e-003	7.5000e-004	0.0000	0.0128	0.0000	0.0128	1.2800e-003	0.0000	1.2800e-003	0.0000	0.3473	0.3473	5.0000e-005	0.0000	0.3485
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**6.0000e-005**	**3.3300e-003**	**7.5000e-004**	**0.0000**	**0.0128**	**0.0000**	**0.0128**	**1.2800e-003**	**0.0000**	**1.2800e-003**	**0.0000**	**0.3473**	**0.3473**	**5.0000e-005**	**0.0000**	**0.3485**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	8.0100e-003	0.0910	0.1471	2.1000e-004		3.5000e-003	3.5000e-003		3.2200e-003	3.2200e-003	0.0000	18.7368	18.7368	6.0600e-003	0.0000	18.8883
Total	**8.0100e-003**	**0.0910**	**0.1471**	**2.1000e-004**		**3.5000e-003**	**3.5000e-003**		**3.2200e-003**	**3.2200e-003**	**0.0000**	**18.7368**	**18.7368**	**6.0600e-003**	**0.0000**	**18.8883**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	6.0000e-005	3.3300e-003	7.5000e-004	0.0000	7.8300e-003	0.0000	7.8300e-003	7.8000e-004	0.0000	7.8000e-004	0.0000	0.3473	0.3473	5.0000e-005	0.0000	0.3485
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**6.0000e-005**	**3.3300e-003**	**7.5000e-004**	**0.0000**	**7.8300e-003**	**0.0000**	**7.8300e-003**	**7.8000e-004**	**0.0000**	**7.8000e-004**	**0.0000**	**0.3473**	**0.3473**	**5.0000e-005**	**0.0000**	**0.3485**

3.16 P2 Architectural Coating - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	2.3118					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0106	0.0715	0.1062	1.7000e-004		3.5700e-003	3.5700e-003		3.5700e-003	3.5700e-003	0.0000	14.9791	14.9791	8.4000e-004	0.0000	15.0002
Total	**2.3224**	**0.0715**	**0.1062**	**1.7000e-004**		**3.5700e-003**	**3.5700e-003**		**3.5700e-003**	**3.5700e-003**	**0.0000**	**14.9791**	**14.9791**	**8.4000e-004**	**0.0000**	**15.0002**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	9.0000e-005	4.5000e-003	1.0200e-003	0.0000	0.0173	0.0000	0.0173	1.7300e-003	0.0000	1.7300e-003	0.0000	0.4702	0.4702	6.0000e-005	0.0000	0.4718
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**9.0000e-005**	**4.5000e-003**	**1.0200e-003**	**0.0000**	**0.0173**	**0.0000**	**0.0173**	**1.7300e-003**	**0.0000**	**1.7300e-003**	**0.0000**	**0.4702**	**0.4702**	**6.0000e-005**	**0.0000**	**0.4718**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	2.3118					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0106	0.0715	0.1062	1.7000e-004		3.5700e-003	3.5700e-003		3.5700e-003	3.5700e-003	0.0000	14.9791	14.9791	8.4000e-004	0.0000	15.0002
Total	**2.3224**	**0.0715**	**0.1062**	**1.7000e-004**		**3.5700e-003**	**3.5700e-003**		**3.5700e-003**	**3.5700e-003**	**0.0000**	**14.9791**	**14.9791**	**8.4000e-004**	**0.0000**	**15.0002**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	9.0000e-005	4.5000e-003	1.0200e-003	0.0000	0.0106	0.0000	0.0106	1.0600e-003	0.0000	1.0600e-003	0.0000	0.4702	0.4702	6.0000e-005	0.0000	0.4718
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**9.0000e-005**	**4.5000e-003**	**1.0200e-003**	**0.0000**	**0.0106**	**0.0000**	**0.0106**	**1.0600e-003**	**0.0000**	**1.0600e-003**	**0.0000**	**0.4702**	**0.4702**	**6.0000e-005**	**0.0000**	**0.4718**

3.17 P2 Building Construction 2 (mo. 5) - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	3.1400e-003	0.0371	0.0590	9.0000e-005		1.1900e-003	1.1900e-003		1.1100e-003	1.1100e-003	0.0000	7.8374	7.8374	2.4200e-003	0.0000	7.8980
Total	**3.1400e-003**	**0.0371**	**0.0590**	**9.0000e-005**		**1.1900e-003**	**1.1900e-003**		**1.1100e-003**	**1.1100e-003**	**0.0000**	**7.8374**	**7.8374**	**2.4200e-003**	**0.0000**	**7.8980**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.0000e-005	1.1300e-003	2.5000e-004	0.0000	4.3300e-003	0.0000	4.3300e-003	4.3000e-004	0.0000	4.3000e-004	0.0000	0.1175	0.1175	2.0000e-005	0.0000	0.1179
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**2.0000e-005**	**1.1300e-003**	**2.5000e-004**	**0.0000**	**4.3300e-003**	**0.0000**	**4.3300e-003**	**4.3000e-004**	**0.0000**	**4.3000e-004**	**0.0000**	**0.1175**	**0.1175**	**2.0000e-005**	**0.0000**	**0.1179**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	3.1400e-003	0.0371	0.0590	9.0000e-005		1.1900e-003	1.1900e-003		1.1100e-003	1.1100e-003	0.0000	7.8374	7.8374	2.4200e-003	0.0000	7.8980
Total	**3.1400e-003**	**0.0371**	**0.0590**	**9.0000e-005**		**1.1900e-003**	**1.1900e-003**		**1.1100e-003**	**1.1100e-003**	**0.0000**	**7.8374**	**7.8374**	**2.4200e-003**	**0.0000**	**7.8980**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.0000e-005	1.1300e-003	2.5000e-004	0.0000	2.6500e-003	0.0000	2.6500e-003	2.6000e-004	0.0000	2.6000e-004	0.0000	0.1175	0.1175	2.0000e-005	0.0000	0.1179
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**2.0000e-005**	**1.1300e-003**	**2.5000e-004**	**0.0000**	**2.6500e-003**	**0.0000**	**2.6500e-003**	**2.6000e-004**	**0.0000**	**2.6000e-004**	**0.0000**	**0.1175**	**0.1175**	**2.0000e-005**	**0.0000**	**0.1179**

3.18 P3 Paving - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0109	0.1048	0.1609	2.5000e-004		5.1500e-003	5.1500e-003		4.7400e-003	4.7400e-003	0.0000	22.0292	22.0292	7.1200e-003	0.0000	22.2073
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0109**	**0.1048**	**0.1609**	**2.5000e-004**		**5.1500e-003**	**5.1500e-003**		**4.7400e-003**	**4.7400e-003**	**0.0000**	**22.0292**	**22.0292**	**7.1200e-003**	**0.0000**	**22.2073**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.1000e-004	5.6300e-003	1.2700e-003	1.0000e-005	0.0216	0.0000	0.0216	2.1600e-003	0.0000	2.1600e-003	0.0000	0.5877	0.5877	8.0000e-005	0.0000	0.5897
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**1.1000e-004**	**5.6300e-003**	**1.2700e-003**	**1.0000e-005**	**0.0216**	**0.0000**	**0.0216**	**2.1600e-003**	**0.0000**	**2.1600e-003**	**0.0000**	**0.5877**	**0.5877**	**8.0000e-005**	**0.0000**	**0.5897**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0109	0.1048	0.1609	2.5000e-004		5.1500e-003	5.1500e-003		4.7400e-003	4.7400e-003	0.0000	22.0292	22.0292	7.1200e-003	0.0000	22.2073
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0109**	**0.1048**	**0.1609**	**2.5000e-004**		**5.1500e-003**	**5.1500e-003**		**4.7400e-003**	**4.7400e-003**	**0.0000**	**22.0292**	**22.0292**	**7.1200e-003**	**0.0000**	**22.2073**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.1000e-004	5.6300e-003	1.2700e-003	1.0000e-005	0.0133	0.0000	0.0133	1.3200e-003	0.0000	1.3200e-003	0.0000	0.5877	0.5877	8.0000e-005	0.0000	0.5897
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**1.1000e-004**	**5.6300e-003**	**1.2700e-003**	**1.0000e-005**	**0.0133**	**0.0000**	**0.0133**	**1.3200e-003**	**0.0000**	**1.3200e-003**	**0.0000**	**0.5877**	**0.5877**	**8.0000e-005**	**0.0000**	**0.5897**

3.19 P3 Site Preparation (mo. 1) - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0118	0.1148	0.1100	2.2000e-004		5.1300e-003	5.1300e-003		4.8300e-003	4.8300e-003	0.0000	19.2128	19.2128	4.2600e-003	0.0000	19.3193
Total	**0.0118**	**0.1148**	**0.1100**	**2.2000e-004**	**0.0000**	**5.1300e-003**	**5.1300e-003**	**0.0000**	**4.8300e-003**	**4.8300e-003**	**0.0000**	**19.2128**	**19.2128**	**4.2600e-003**	**0.0000**	**19.3193**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.0000e-005	1.1700e-003	2.6000e-004	0.0000	4.5200e-003	0.0000	4.5200e-003	4.5000e-004	0.0000	4.5000e-004	0.0000	0.1215	0.1215	2.0000e-005	0.0000	0.1219
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**2.0000e-005**	**1.1700e-003**	**2.6000e-004**	**0.0000**	**4.5200e-003**	**0.0000**	**4.5200e-003**	**4.5000e-004**	**0.0000**	**4.5000e-004**	**0.0000**	**0.1215**	**0.1215**	**2.0000e-005**	**0.0000**	**0.1219**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0118	0.1148	0.1100	2.2000e-004		5.1300e-003	5.1300e-003		4.8300e-003	4.8300e-003	0.0000	19.2128	19.2128	4.2600e-003	0.0000	19.3193
Total	**0.0118**	**0.1148**	**0.1100**	**2.2000e-004**	**0.0000**	**5.1300e-003**	**5.1300e-003**	**0.0000**	**4.8300e-003**	**4.8300e-003**	**0.0000**	**19.2128**	**19.2128**	**4.2600e-003**	**0.0000**	**19.3193**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.0000e-005	1.1700e-003	2.6000e-004	0.0000	2.7700e-003	0.0000	2.7700e-003	2.8000e-004	0.0000	2.8000e-004	0.0000	0.1215	0.1215	2.0000e-005	0.0000	0.1219
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**2.0000e-005**	**1.1700e-003**	**2.6000e-004**	**0.0000**	**2.7700e-003**	**0.0000**	**2.7700e-003**	**2.8000e-004**	**0.0000**	**2.8000e-004**	**0.0000**	**0.1215**	**0.1215**	**2.0000e-005**	**0.0000**	**0.1219**

3.20 P3 Building Construction 1 (mo. 2-4) - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	6.7000e-003	0.0773	0.1335	1.9000e-004		2.6300e-003	2.6300e-003		2.4200e-003	2.4200e-003	0.0000	17.0891	17.0891	5.5300e-003	0.0000	17.2273
Total	**6.7000e-003**	**0.0773**	**0.1335**	**1.9000e-004**		**2.6300e-003**	**2.6300e-003**		**2.4200e-003**	**2.4200e-003**	**0.0000**	**17.0891**	**17.0891**	**5.5300e-003**	**0.0000**	**17.2273**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	6.0000e-005	3.2000e-003	7.0000e-004	0.0000	0.0124	0.0000	0.0124	1.2400e-003	0.0000	1.2400e-003	0.0000	0.3327	0.3327	4.0000e-005	0.0000	0.3338
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**6.0000e-005**	**3.2000e-003**	**7.0000e-004**	**0.0000**	**0.0124**	**0.0000**	**0.0124**	**1.2400e-003**	**0.0000**	**1.2400e-003**	**0.0000**	**0.3327**	**0.3327**	**4.0000e-005**	**0.0000**	**0.3338**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	6.7000e-003	0.0773	0.1335	1.9000e-004		2.6300e-003	2.6300e-003		2.4200e-003	2.4200e-003	0.0000	17.0891	17.0891	5.5300e-003	0.0000	17.2273
Total	**6.7000e-003**	**0.0773**	**0.1335**	**1.9000e-004**		**2.6300e-003**	**2.6300e-003**		**2.4200e-003**	**2.4200e-003**	**0.0000**	**17.0891**	**17.0891**	**5.5300e-003**	**0.0000**	**17.2273**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	6.0000e-005	3.2000e-003	7.0000e-004	0.0000	7.5900e-003	0.0000	7.5900e-003	7.6000e-004	0.0000	7.6000e-004	0.0000	0.3327	0.3327	4.0000e-005	0.0000	0.3338
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**6.0000e-005**	**3.2000e-003**	**7.0000e-004**	**0.0000**	**7.5900e-003**	**0.0000**	**7.5900e-003**	**7.6000e-004**	**0.0000**	**7.6000e-004**	**0.0000**	**0.3327**	**0.3327**	**4.0000e-005**	**0.0000**	**0.3338**

3.21 P3 Architectural Coating - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	2.3118					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	9.8000e-003	0.0657	0.1037	1.7000e-004		2.9500e-003	2.9500e-003		2.9500e-003	2.9500e-003	0.0000	14.6387	14.6387	8.0000e-004	0.0000	14.6586
Total	**2.3216**	**0.0657**	**0.1037**	**1.7000e-004**		**2.9500e-003**	**2.9500e-003**		**2.9500e-003**	**2.9500e-003**	**0.0000**	**14.6387**	**14.6387**	**8.0000e-004**	**0.0000**	**14.6586**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	8.0000e-005	4.3600e-003	9.5000e-004	0.0000	0.0169	0.0000	0.0169	1.6900e-003	0.0000	1.6900e-003	0.0000	0.4542	0.4542	6.0000e-005	0.0000	0.4557
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**8.0000e-005**	**4.3600e-003**	**9.5000e-004**	**0.0000**	**0.0169**	**0.0000**	**0.0169**	**1.6900e-003**	**0.0000**	**1.6900e-003**	**0.0000**	**0.4542**	**0.4542**	**6.0000e-005**	**0.0000**	**0.4557**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	2.3118					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	9.8000e-003	0.0657	0.1037	1.7000e-004		2.9500e-003	2.9500e-003		2.9500e-003	2.9500e-003	0.0000	14.6386	14.6386	8.0000e-004	0.0000	14.6586
Total	**2.3216**	**0.0657**	**0.1037**	**1.7000e-004**		**2.9500e-003**	**2.9500e-003**		**2.9500e-003**	**2.9500e-003**	**0.0000**	**14.6386**	**14.6386**	**8.0000e-004**	**0.0000**	**14.6586**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	8.0000e-005	4.3600e-003	9.5000e-004	0.0000	0.0104	0.0000	0.0104	1.0300e-003	0.0000	1.0300e-003	0.0000	0.4542	0.4542	6.0000e-005	0.0000	0.4557
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**8.0000e-005**	**4.3600e-003**	**9.5000e-004**	**0.0000**	**0.0104**	**0.0000**	**0.0104**	**1.0300e-003**	**0.0000**	**1.0300e-003**	**0.0000**	**0.4542**	**0.4542**	**6.0000e-005**	**0.0000**	**0.4557**

3.22 P3 Building Construction 2 (mo. 5) - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	3.0200e-003	0.0356	0.0589	9.0000e-005		1.0800e-003	1.0800e-003		1.0100e-003	1.0100e-003	0.0000	7.8354	7.8354	2.4200e-003	0.0000	7.8960
Total	**3.0200e-003**	**0.0356**	**0.0589**	**9.0000e-005**		**1.0800e-003**	**1.0800e-003**		**1.0100e-003**	**1.0100e-003**	**0.0000**	**7.8354**	**7.8354**	**2.4200e-003**	**0.0000**	**7.8960**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.0000e-005	1.1200e-003	2.4000e-004	0.0000	4.3300e-003	0.0000	4.3300e-003	4.3000e-004	0.0000	4.3000e-004	0.0000	0.1162	0.1162	2.0000e-005	0.0000	0.1166
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**2.0000e-005**	**1.1200e-003**	**2.4000e-004**	**0.0000**	**4.3300e-003**	**0.0000**	**4.3300e-003**	**4.3000e-004**	**0.0000**	**4.3000e-004**	**0.0000**	**0.1162**	**0.1162**	**2.0000e-005**	**0.0000**	**0.1166**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	3.0200e-003	0.0356	0.0589	9.0000e-005		1.0800e-003	1.0800e-003		1.0100e-003	1.0100e-003	0.0000	7.8354	7.8354	2.4200e-003	0.0000	7.8960
Total	**3.0200e-003**	**0.0356**	**0.0589**	**9.0000e-005**		**1.0800e-003**	**1.0800e-003**		**1.0100e-003**	**1.0100e-003**	**0.0000**	**7.8354**	**7.8354**	**2.4200e-003**	**0.0000**	**7.8960**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.0000e-005	1.1200e-003	2.4000e-004	0.0000	2.6500e-003	0.0000	2.6500e-003	2.6000e-004	0.0000	2.6000e-004	0.0000	0.1162	0.1162	2.0000e-005	0.0000	0.1166
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**2.0000e-005**	**1.1200e-003**	**2.4000e-004**	**0.0000**	**2.6500e-003**	**0.0000**	**2.6500e-003**	**2.6000e-004**	**0.0000**	**2.6000e-004**	**0.0000**	**0.1162**	**0.1162**	**2.0000e-005**	**0.0000**	**0.1166**

3.23 P4 Paving - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0101	0.0944	0.1604	2.5000e-004		4.6000e-003	4.6000e-003		4.2400e-003	4.2400e-003	0.0000	22.0212	22.0212	7.1200e-003	0.0000	22.1992
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0101**	**0.0944**	**0.1604**	**2.5000e-004**		**4.6000e-003**	**4.6000e-003**		**4.2400e-003**	**4.2400e-003**	**0.0000**	**22.0212**	**22.0212**	**7.1200e-003**	**0.0000**	**22.1992**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.0000e-004	5.5800e-003	1.2200e-003	1.0000e-005	0.0216	0.0000	0.0216	2.1600e-003	0.0000	2.1600e-003	0.0000	0.5810	0.5810	8.0000e-005	0.0000	0.5829
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**1.0000e-004**	**5.5800e-003**	**1.2200e-003**	**1.0000e-005**	**0.0216**	**0.0000**	**0.0216**	**2.1600e-003**	**0.0000**	**2.1600e-003**	**0.0000**	**0.5810**	**0.5810**	**8.0000e-005**	**0.0000**	**0.5829**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0101	0.0944	0.1604	2.5000e-004		4.6000e-003	4.6000e-003		4.2400e-003	4.2400e-003	0.0000	22.0212	22.0212	7.1200e-003	0.0000	22.1992
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0101**	**0.0944**	**0.1604**	**2.5000e-004**		**4.6000e-003**	**4.6000e-003**		**4.2400e-003**	**4.2400e-003**	**0.0000**	**22.0212**	**22.0212**	**7.1200e-003**	**0.0000**	**22.1992**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.0000e-004	5.5800e-003	1.2200e-003	1.0000e-005	0.0133	0.0000	0.0133	1.3200e-003	0.0000	1.3200e-003	0.0000	0.5810	0.5810	8.0000e-005	0.0000	0.5829
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**1.0000e-004**	**5.5800e-003**	**1.2200e-003**	**1.0000e-005**	**0.0133**	**0.0000**	**0.0133**	**1.3200e-003**	**0.0000**	**1.3200e-003**	**0.0000**	**0.5810**	**0.5810**	**8.0000e-005**	**0.0000**	**0.5829**

3.24 P4 Site Preparation (mo. 1) - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0108	0.1049	0.1004	2.0000e-004		4.6900e-003	4.6900e-003		4.4100e-003	4.4100e-003	0.0000	17.5422	17.5422	3.8900e-003	0.0000	17.6394
Total	**0.0108**	**0.1049**	**0.1004**	**2.0000e-004**	**0.0000**	**4.6900e-003**	**4.6900e-003**	**0.0000**	**4.4100e-003**	**4.4100e-003**	**0.0000**	**17.5422**	**17.5422**	**3.8900e-003**	**0.0000**	**17.6394**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.0000e-005	1.0700e-003	2.3000e-004	0.0000	4.1300e-003	0.0000	4.1300e-003	4.1000e-004	0.0000	4.1000e-004	0.0000	0.1109	0.1109	1.0000e-005	0.0000	0.1113
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**2.0000e-005**	**1.0700e-003**	**2.3000e-004**	**0.0000**	**4.1300e-003**	**0.0000**	**4.1300e-003**	**4.1000e-004**	**0.0000**	**4.1000e-004**	**0.0000**	**0.1109**	**0.1109**	**1.0000e-005**	**0.0000**	**0.1113**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0108	0.1049	0.1004	2.0000e-004		4.6900e-003	4.6900e-003		4.4100e-003	4.4100e-003	0.0000	17.5421	17.5421	3.8900e-003	0.0000	17.6393
Total	**0.0108**	**0.1049**	**0.1004**	**2.0000e-004**	**0.0000**	**4.6900e-003**	**4.6900e-003**	**0.0000**	**4.4100e-003**	**4.4100e-003**	**0.0000**	**17.5421**	**17.5421**	**3.8900e-003**	**0.0000**	**17.6393**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.0000e-005	1.0700e-003	2.3000e-004	0.0000	2.5300e-003	0.0000	2.5300e-003	2.5000e-004	0.0000	2.5000e-004	0.0000	0.1109	0.1109	1.0000e-005	0.0000	0.1113
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**2.0000e-005**	**1.0700e-003**	**2.3000e-004**	**0.0000**	**2.5300e-003**	**0.0000**	**2.5300e-003**	**2.5000e-004**	**0.0000**	**2.5000e-004**	**0.0000**	**0.1109**	**0.1109**	**1.0000e-005**	**0.0000**	**0.1113**

3.25 P4 Building Construction 1 (mo. 2-4) - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	7.5600e-003	0.0864	0.1490	2.2000e-004		2.9800e-003	2.9800e-003		2.7400e-003	2.7400e-003	0.0000	19.0332	19.0332	6.1600e-003	0.0000	19.1871
Total	**7.5600e-003**	**0.0864**	**0.1490**	**2.2000e-004**		**2.9800e-003**	**2.9800e-003**		**2.7400e-003**	**2.7400e-003**	**0.0000**	**19.0332**	**19.0332**	**6.1600e-003**	**0.0000**	**19.1871**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	6.0000e-005	3.3500e-003	7.3000e-004	0.0000	0.0130	0.0000	0.0130	1.3000e-003	0.0000	1.3000e-003	0.0000	0.3486	0.3486	5.0000e-005	0.0000	0.3497
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**6.0000e-005**	**3.3500e-003**	**7.3000e-004**	**0.0000**	**0.0130**	**0.0000**	**0.0130**	**1.3000e-003**	**0.0000**	**1.3000e-003**	**0.0000**	**0.3486**	**0.3486**	**5.0000e-005**	**0.0000**	**0.3497**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	7.5600e-003	0.0864	0.1490	2.2000e-004		2.9800e-003	2.9800e-003		2.7400e-003	2.7400e-003	0.0000	19.0332	19.0332	6.1600e-003	0.0000	19.1871
Total	**7.5600e-003**	**0.0864**	**0.1490**	**2.2000e-004**		**2.9800e-003**	**2.9800e-003**		**2.7400e-003**	**2.7400e-003**	**0.0000**	**19.0332**	**19.0332**	**6.1600e-003**	**0.0000**	**19.1871**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	6.0000e-005	3.3500e-003	7.3000e-004	0.0000	7.9500e-003	0.0000	7.9500e-003	7.9000e-004	0.0000	7.9000e-004	0.0000	0.3486	0.3486	5.0000e-005	0.0000	0.3497
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**6.0000e-005**	**3.3500e-003**	**7.3000e-004**	**0.0000**	**7.9500e-003**	**0.0000**	**7.9500e-003**	**7.9000e-004**	**0.0000**	**7.9000e-004**	**0.0000**	**0.3486**	**0.3486**	**5.0000e-005**	**0.0000**	**0.3497**

3.26 P4 Architectural Coating - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	2.3118					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	9.8000e-003	0.0657	0.1037	1.7000e-004		2.9500e-003	2.9500e-003		2.9500e-003	2.9500e-003	0.0000	14.6387	14.6387	8.0000e-004	0.0000	14.6586
Total	**2.3216**	**0.0657**	**0.1037**	**1.7000e-004**		**2.9500e-003**	**2.9500e-003**		**2.9500e-003**	**2.9500e-003**	**0.0000**	**14.6387**	**14.6387**	**8.0000e-004**	**0.0000**	**14.6586**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	8.0000e-005	4.3600e-003	9.5000e-004	0.0000	0.0169	0.0000	0.0169	1.6900e-003	0.0000	1.6900e-003	0.0000	0.4542	0.4542	6.0000e-005	0.0000	0.4557
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**8.0000e-005**	**4.3600e-003**	**9.5000e-004**	**0.0000**	**0.0169**	**0.0000**	**0.0169**	**1.6900e-003**	**0.0000**	**1.6900e-003**	**0.0000**	**0.4542**	**0.4542**	**6.0000e-005**	**0.0000**	**0.4557**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	2.3118					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	9.8000e-003	0.0657	0.1037	1.7000e-004		2.9500e-003	2.9500e-003		2.9500e-003	2.9500e-003	0.0000	14.6386	14.6386	8.0000e-004	0.0000	14.6586
Total	**2.3216**	**0.0657**	**0.1037**	**1.7000e-004**		**2.9500e-003**	**2.9500e-003**		**2.9500e-003**	**2.9500e-003**	**0.0000**	**14.6386**	**14.6386**	**8.0000e-004**	**0.0000**	**14.6586**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	8.0000e-005	4.3600e-003	9.5000e-004	0.0000	0.0104	0.0000	0.0104	1.0300e-003	0.0000	1.0300e-003	0.0000	0.4542	0.4542	6.0000e-005	0.0000	0.4557
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**8.0000e-005**	**4.3600e-003**	**9.5000e-004**	**0.0000**	**0.0104**	**0.0000**	**0.0104**	**1.0300e-003**	**0.0000**	**1.0300e-003**	**0.0000**	**0.4542**	**0.4542**	**6.0000e-005**	**0.0000**	**0.4557**

3.27 P4 Building Construction 2 (mo. 5) - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	3.1500e-003	0.0372	0.0616	1.0000e-004		1.1300e-003	1.1300e-003		1.0500e-003	1.0500e-003	0.0000	8.1915	8.1915	2.5300e-003	0.0000	8.2549
Total	**3.1500e-003**	**0.0372**	**0.0616**	**1.0000e-004**		**1.1300e-003**	**1.1300e-003**		**1.0500e-003**	**1.0500e-003**	**0.0000**	**8.1915**	**8.1915**	**2.5300e-003**	**0.0000**	**8.2549**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.0000e-005	1.1700e-003	2.6000e-004	0.0000	4.5200e-003	0.0000	4.5200e-003	4.5000e-004	0.0000	4.5000e-004	0.0000	0.1215	0.1215	2.0000e-005	0.0000	0.1219
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**2.0000e-005**	**1.1700e-003**	**2.6000e-004**	**0.0000**	**4.5200e-003**	**0.0000**	**4.5200e-003**	**4.5000e-004**	**0.0000**	**4.5000e-004**	**0.0000**	**0.1215**	**0.1215**	**2.0000e-005**	**0.0000**	**0.1219**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	3.1500e-003	0.0372	0.0616	1.0000e-004		1.1300e-003	1.1300e-003		1.0500e-003	1.0500e-003	0.0000	8.1915	8.1915	2.5300e-003	0.0000	8.2549
Total	**3.1500e-003**	**0.0372**	**0.0616**	**1.0000e-004**		**1.1300e-003**	**1.1300e-003**		**1.0500e-003**	**1.0500e-003**	**0.0000**	**8.1915**	**8.1915**	**2.5300e-003**	**0.0000**	**8.2549**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.0000e-005	1.1700e-003	2.6000e-004	0.0000	2.7700e-003	0.0000	2.7700e-003	2.8000e-004	0.0000	2.8000e-004	0.0000	0.1215	0.1215	2.0000e-005	0.0000	0.1219
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**2.0000e-005**	**1.1700e-003**	**2.6000e-004**	**0.0000**	**2.7700e-003**	**0.0000**	**2.7700e-003**	**2.8000e-004**	**0.0000**	**2.8000e-004**	**0.0000**	**0.1215**	**0.1215**	**2.0000e-005**	**0.0000**	**0.1219**

3.28 P5 Paving - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0105	0.0987	0.1677	2.6000e-004		4.8100e-003	4.8100e-003		4.4300e-003	4.4300e-003	0.0000	23.0221	23.0221	7.4500e-003	0.0000	23.2083
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0105**	**0.0987**	**0.1677**	**2.6000e-004**		**4.8100e-003**	**4.8100e-003**		**4.4300e-003**	**4.4300e-003**	**0.0000**	**23.0221**	**23.0221**	**7.4500e-003**	**0.0000**	**23.2083**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.1000e-004	5.8300e-003	1.2800e-003	1.0000e-005	0.0226	0.0000	0.0226	2.2600e-003	0.0000	2.2600e-003	0.0000	0.6074	0.6074	8.0000e-005	0.0000	0.6094
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**1.1000e-004**	**5.8300e-003**	**1.2800e-003**	**1.0000e-005**	**0.0226**	**0.0000**	**0.0226**	**2.2600e-003**	**0.0000**	**2.2600e-003**	**0.0000**	**0.6074**	**0.6074**	**8.0000e-005**	**0.0000**	**0.6094**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0105	0.0987	0.1677	2.6000e-004		4.8100e-003	4.8100e-003		4.4300e-003	4.4300e-003	0.0000	23.0221	23.0221	7.4500e-003	0.0000	23.2083
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0105**	**0.0987**	**0.1677**	**2.6000e-004**		**4.8100e-003**	**4.8100e-003**		**4.4300e-003**	**4.4300e-003**	**0.0000**	**23.0221**	**23.0221**	**7.4500e-003**	**0.0000**	**23.2083**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.1000e-004	5.8300e-003	1.2800e-003	1.0000e-005	0.0139	0.0000	0.0139	1.3800e-003	0.0000	1.3800e-003	0.0000	0.6074	0.6074	8.0000e-005	0.0000	0.6094
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**1.1000e-004**	**5.8300e-003**	**1.2800e-003**	**1.0000e-005**	**0.0139**	**0.0000**	**0.0139**	**1.3800e-003**	**0.0000**	**1.3800e-003**	**0.0000**	**0.6074**	**0.6074**	**8.0000e-005**	**0.0000**	**0.6094**

3.29 P5 Site Preparation (mo. 1) - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0103	0.0999	0.0957	1.9000e-004		4.4600e-003	4.4600e-003		4.2000e-003	4.2000e-003	0.0000	16.7068	16.7068	3.7000e-003	0.0000	16.7994
Total	**0.0103**	**0.0999**	**0.0957**	**1.9000e-004**	**0.0000**	**4.4600e-003**	**4.4600e-003**	**0.0000**	**4.2000e-003**	**4.2000e-003**	**0.0000**	**16.7068**	**16.7068**	**3.7000e-003**	**0.0000**	**16.7994**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.0000e-005	1.0100e-003	2.2000e-004	0.0000	3.9300e-003	0.0000	3.9300e-003	3.9000e-004	0.0000	3.9000e-004	0.0000	0.1056	0.1056	1.0000e-005	0.0000	0.1060
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**2.0000e-005**	**1.0100e-003**	**2.2000e-004**	**0.0000**	**3.9300e-003**	**0.0000**	**3.9300e-003**	**3.9000e-004**	**0.0000**	**3.9000e-004**	**0.0000**	**0.1056**	**0.1056**	**1.0000e-005**	**0.0000**	**0.1060**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0103	0.0999	0.0957	1.9000e-004		4.4600e-003	4.4600e-003		4.2000e-003	4.2000e-003	0.0000	16.7068	16.7068	3.7000e-003	0.0000	16.7994
Total	**0.0103**	**0.0999**	**0.0957**	**1.9000e-004**	**0.0000**	**4.4600e-003**	**4.4600e-003**	**0.0000**	**4.2000e-003**	**4.2000e-003**	**0.0000**	**16.7068**	**16.7068**	**3.7000e-003**	**0.0000**	**16.7994**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.0000e-005	1.0100e-003	2.2000e-004	0.0000	2.4100e-003	0.0000	2.4100e-003	2.4000e-004	0.0000	2.4000e-004	0.0000	0.1056	0.1056	1.0000e-005	0.0000	0.1060
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**2.0000e-005**	**1.0100e-003**	**2.2000e-004**	**0.0000**	**2.4100e-003**	**0.0000**	**2.4100e-003**	**2.4000e-004**	**0.0000**	**2.4000e-004**	**0.0000**	**0.1056**	**0.1056**	**1.0000e-005**	**0.0000**	**0.1060**

3.30 P5 Building Construction 1 (mo. 2-4) - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	2.6300e-003	0.0301	0.0519	8.0000e-005		1.0400e-003	1.0400e-003		9.5000e-004	9.5000e-004	0.0000	6.6328	6.6328	2.1500e-003	0.0000	6.6864
Total	**2.6300e-003**	**0.0301**	**0.0519**	**8.0000e-005**		**1.0400e-003**	**1.0400e-003**		**9.5000e-004**	**9.5000e-004**	**0.0000**	**6.6328**	**6.6328**	**2.1500e-003**	**0.0000**	**6.6864**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.0000e-005	1.1700e-003	2.6000e-004	0.0000	4.5200e-003	0.0000	4.5200e-003	4.5000e-004	0.0000	4.5000e-004	0.0000	0.1215	0.1215	2.0000e-005	0.0000	0.1219
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**2.0000e-005**	**1.1700e-003**	**2.6000e-004**	**0.0000**	**4.5200e-003**	**0.0000**	**4.5200e-003**	**4.5000e-004**	**0.0000**	**4.5000e-004**	**0.0000**	**0.1215**	**0.1215**	**2.0000e-005**	**0.0000**	**0.1219**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	2.6300e-003	0.0301	0.0519	8.0000e-005		1.0400e-003	1.0400e-003		9.5000e-004	9.5000e-004	0.0000	6.6328	6.6328	2.1500e-003	0.0000	6.6864
Total	**2.6300e-003**	**0.0301**	**0.0519**	**8.0000e-005**		**1.0400e-003**	**1.0400e-003**		**9.5000e-004**	**9.5000e-004**	**0.0000**	**6.6328**	**6.6328**	**2.1500e-003**	**0.0000**	**6.6864**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.0000e-005	1.1700e-003	2.6000e-004	0.0000	2.7700e-003	0.0000	2.7700e-003	2.8000e-004	0.0000	2.8000e-004	0.0000	0.1215	0.1215	2.0000e-005	0.0000	0.1219
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**2.0000e-005**	**1.1700e-003**	**2.6000e-004**	**0.0000**	**2.7700e-003**	**0.0000**	**2.7700e-003**	**2.8000e-004**	**0.0000**	**2.8000e-004**	**0.0000**	**0.1215**	**0.1215**	**2.0000e-005**	**0.0000**	**0.1219**

3.30 P5 Building Construction 1 (mo. 2-4) - 2026

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	4.8100e-003	0.0550	0.0948	1.4000e-004		1.8900e-003	1.8900e-003		1.7400e-003	1.7400e-003	0.0000	12.1120	12.1120	3.9200e-003	0.0000	12.2100
Total	**4.8100e-003**	**0.0550**	**0.0948**	**1.4000e-004**		**1.8900e-003**	**1.8900e-003**		**1.7400e-003**	**1.7400e-003**	**0.0000**	**12.1120**	**12.1120**	**3.9200e-003**	**0.0000**	**12.2100**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	4.0000e-005	2.1100e-003	4.5000e-004	0.0000	8.2600e-003	0.0000	8.2600e-003	8.2000e-004	0.0000	8.3000e-004	0.0000	0.2194	0.2194	3.0000e-005	0.0000	0.2201
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**4.0000e-005**	**2.1100e-003**	**4.5000e-004**	**0.0000**	**8.2600e-003**	**0.0000**	**8.2600e-003**	**8.2000e-004**	**0.0000**	**8.3000e-004**	**0.0000**	**0.2194**	**0.2194**	**3.0000e-005**	**0.0000**	**0.2201**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	4.8100e-003	0.0550	0.0948	1.4000e-004		1.8900e-003	1.8900e-003		1.7400e-003	1.7400e-003	0.0000	12.1120	12.1120	3.9200e-003	0.0000	12.2100
Total	**4.8100e-003**	**0.0550**	**0.0948**	**1.4000e-004**		**1.8900e-003**	**1.8900e-003**		**1.7400e-003**	**1.7400e-003**	**0.0000**	**12.1120**	**12.1120**	**3.9200e-003**	**0.0000**	**12.2100**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	4.0000e-005	2.1100e-003	4.5000e-004	0.0000	5.0600e-003	0.0000	5.0600e-003	5.0000e-004	0.0000	5.1000e-004	0.0000	0.2194	0.2194	3.0000e-005	0.0000	0.2201
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**4.0000e-005**	**2.1100e-003**	**4.5000e-004**	**0.0000**	**5.0600e-003**	**0.0000**	**5.0600e-003**	**5.0000e-004**	**0.0000**	**5.1000e-004**	**0.0000**	**0.2194**	**0.2194**	**3.0000e-005**	**0.0000**	**0.2201**

3.31 P5 Architectural Coating - 2026

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	2.3118					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	9.5700e-003	0.0642	0.1013	1.7000e-004		2.8800e-003	2.8800e-003		2.8800e-003	2.8800e-003	0.0000	14.2982	14.2982	7.8000e-004	0.0000	14.3177
Total	**2.3213**	**0.0642**	**0.1013**	**1.7000e-004**		**2.8800e-003**	**2.8800e-003**		**2.8800e-003**	**2.8800e-003**	**0.0000**	**14.2982**	**14.2982**	**7.8000e-004**	**0.0000**	**14.3177**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	8.0000e-005	4.2300e-003	9.0000e-004	0.0000	0.0165	0.0000	0.0165	1.6500e-003	0.0000	1.6500e-003	0.0000	0.4387	0.4387	6.0000e-005	0.0000	0.4401
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**8.0000e-005**	**4.2300e-003**	**9.0000e-004**	**0.0000**	**0.0165**	**0.0000**	**0.0165**	**1.6500e-003**	**0.0000**	**1.6500e-003**	**0.0000**	**0.4387**	**0.4387**	**6.0000e-005**	**0.0000**	**0.4401**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	2.3118					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	9.5700e-003	0.0642	0.1013	1.7000e-004		2.8800e-003	2.8800e-003		2.8800e-003	2.8800e-003	0.0000	14.2982	14.2982	7.8000e-004	0.0000	14.3177
Total	**2.3213**	**0.0642**	**0.1013**	**1.7000e-004**		**2.8800e-003**	**2.8800e-003**		**2.8800e-003**	**2.8800e-003**	**0.0000**	**14.2982**	**14.2982**	**7.8000e-004**	**0.0000**	**14.3177**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	8.0000e-005	4.2300e-003	9.0000e-004	0.0000	0.0101	0.0000	0.0101	1.0100e-003	0.0000	1.0100e-003	0.0000	0.4387	0.4387	6.0000e-005	0.0000	0.4401
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**8.0000e-005**	**4.2300e-003**	**9.0000e-004**	**0.0000**	**0.0101**	**0.0000**	**0.0101**	**1.0100e-003**	**0.0000**	**1.0100e-003**	**0.0000**	**0.4387**	**0.4387**	**6.0000e-005**	**0.0000**	**0.4401**

3.32 P5 Building Construction 2 (mo. 5) - 2026

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	3.0200e-003	0.0356	0.0589	9.0000e-005		1.0800e-003	1.0800e-003		1.0100e-003	1.0100e-003	0.0000	7.8354	7.8354	2.4200e-003	0.0000	7.8960
Total	**3.0200e-003**	**0.0356**	**0.0589**	**9.0000e-005**		**1.0800e-003**	**1.0800e-003**		**1.0100e-003**	**1.0100e-003**	**0.0000**	**7.8354**	**7.8354**	**2.4200e-003**	**0.0000**	**7.8960**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.0000e-005	1.1100e-003	2.4000e-004	0.0000	4.3300e-003	0.0000	4.3300e-003	4.3000e-004	0.0000	4.3000e-004	0.0000	0.1149	0.1149	1.0000e-005	0.0000	0.1153
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**2.0000e-005**	**1.1100e-003**	**2.4000e-004**	**0.0000**	**4.3300e-003**	**0.0000**	**4.3300e-003**	**4.3000e-004**	**0.0000**	**4.3000e-004**	**0.0000**	**0.1149**	**0.1149**	**1.0000e-005**	**0.0000**	**0.1153**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	3.0200e-003	0.0356	0.0589	9.0000e-005		1.0800e-003	1.0800e-003		1.0100e-003	1.0100e-003	0.0000	7.8354	7.8354	2.4200e-003	0.0000	7.8960
Total	**3.0200e-003**	**0.0356**	**0.0589**	**9.0000e-005**		**1.0800e-003**	**1.0800e-003**		**1.0100e-003**	**1.0100e-003**	**0.0000**	**7.8354**	**7.8354**	**2.4200e-003**	**0.0000**	**7.8960**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.0000e-005	1.1100e-003	2.4000e-004	0.0000	2.6500e-003	0.0000	2.6500e-003	2.6000e-004	0.0000	2.6000e-004	0.0000	0.1149	0.1149	1.0000e-005	0.0000	0.1153
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**2.0000e-005**	**1.1100e-003**	**2.4000e-004**	**0.0000**	**2.6500e-003**	**0.0000**	**2.6500e-003**	**2.6000e-004**	**0.0000**	**2.6000e-004**	**0.0000**	**0.1149**	**0.1149**	**1.0000e-005**	**0.0000**	**0.1153**

CalEEMod Version: CalEEMod.2016.3.1 Date: 1/9/2018 11:15 AM

Proctor Valley EIR - PA 16-19 Residential

San Diego County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Single Family Housing	125.00	Dwelling Unit	368.00	591,125.00	344

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.6	**Precipitation Freq (Days)**	40
Climate Zone	13			**Operational Year**	2028
Utility Company	San Diego Gas & Electric				
CO2 Intensity (lb/MWhr)	427.49	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - Refer to CalEEMod Input Matrix Table 2

Land Use - Refer to CalEEMod Input Matrix Table 4

Off-road Equipment - Refer to CalEEMod Input Matrix Table 6

Trips and VMT - Refer to CalEEMod Input Matrix Table 9

Vehicle Trips - Refer to CalEEMod Input Matrix Table 12

Woodstoves - Refer to CalEEMod Input Matrix Table 17

Area Coating - Refer to CalEEMod Input Matrix Table 19

Energy Use - Refer to CalEEMod Input Matrix Table 21

Construction Off-road Equipment Mitigation - refer to inputs

Area Mitigation - Refer to CalEEMod Input Matrix Table 36

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Parking	250.00	0.00
tblArchitecturalCoating	EF_Parking	250.00	0.00
tblArchitecturalCoating	EF_Parking	250.00	0.00
tblArchitecturalCoating	EF_Parking	250.00	0.00
tblAreaCoating	Area_EF_Residential_Exterior	250	150
tblAreaCoating	Area_EF_Residential_Interior	250	150
tblConstDustMitigation	WaterUnpavedRoadMoistureContent	0	0.5
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	40	15
tblConstructionPhase	NumDays	6,200.00	21.00
tblConstructionPhase	NumDays	6,200.00	66.00
tblConstructionPhase	NumDays	6,200.00	22.00
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tblConstructionPhase	NumDays	6,200.00	66.00
tblConstructionPhase	NumDays	6,200.00	22.00
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tblConstructionPhase	NumDays	6,200.00	66.00
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tblConstructionPhase	NumDays	240.00	22.00
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tblConstructionPhase	NumDays	440.00	43.00
tblConstructionPhase	NumDays	440.00	45.00
tblConstructionPhase	NumDays	440.00	44.00

tblGrading	AcresOfGrading	11.00	0.00
tblLandUse	BuildingSpaceSquareFeet	225,000.00	591,125.00
tblLandUse	LandUseSquareFeet	225,000.00	591,125.00
tblLandUse	LotAcreage	40.58	368.00
tblLandUse	Population	358.00	344.00
tblOffRoadEquipment	LoadFactor	0.41	0.41
tblOffRoadEquipment	LoadFactor	0.37	0.37
tblOffRoadEquipment	LoadFactor	0.50	0.50
tblOffRoadEquipment	LoadFactor	0.41	0.41
tblOffRoadEquipment	LoadFactor	0.37	0.37
tblOffRoadEquipment	LoadFactor	0.50	0.50
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tblOffRoadEquipment	OffRoadEquipmentType		Graders
tblOffRoadEquipment	OffRoadEquipmentType		Pumps
tblOffRoadEquipment	OffRoadEquipmentType		Skid Steer Loaders
tblOffRoadEquipment	OffRoadEquipmentType		Trenchers
tblOffRoadEquipment	OffRoadEquipmentType		Air Compressors
tblOffRoadEquipment	OffRoadEquipmentType		Cement and Mortar Mixers
tblOffRoadEquipment	OffRoadEquipmentType		Graders
tblOffRoadEquipment	OffRoadEquipmentType		Pumps
tblOffRoadEquipment	OffRoadEquipmentType		Skid Steer Loaders
tblOffRoadEquipment	OffRoadEquipmentType		Trenchers
tblOffRoadEquipment	OffRoadEquipmentType		Air Compressors
tblOffRoadEquipment	OffRoadEquipmentType		Cement and Mortar Mixers
tblOffRoadEquipment	OffRoadEquipmentType		Graders
tblOffRoadEquipment	OffRoadEquipmentType		Pumps
tblOffRoadEquipment	OffRoadEquipmentType		Skid Steer Loaders
tblOffRoadEquipment	OffRoadEquipmentType		Trenchers
tblOffRoadEquipment	OffRoadEquipmentType		Air Compressors

tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
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tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblProjectCharacteristics	CO2IntensityFactor	720.49	427.49
tblProjectCharacteristics	OperationalYear	2018	2028
tblTripsAndVMT	VendorTripLength	7.30	0.15
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tblTripsAndVMT	VendorTripNumber	13.00	2.00
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tblTripsAndVMT	VendorTripNumber	13.00	2.00
tblTripsAndVMT	VendorTripNumber	13.00	2.00
tblTripsAndVMT	VendorTripNumber	0.00	4.00
tblTripsAndVMT	VendorTripNumber	13.00	2.00
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tblTripsAndVMT	VendorTripNumber	0.00	10.00
tblTripsAndVMT	VendorTripNumber	0.00	4.00
tblTripsAndVMT	VendorTripNumber	13.00	2.00
tblTripsAndVMT	VendorTripNumber	0.00	4.00
tblTripsAndVMT	WorkerTripNumber	30.00	0.00
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tblTripsAndVMT	WorkerTripNumber	15.00	0.00
tblTripsAndVMT	WorkerTripNumber	30.00	0.00

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tblTripsAndVMT	WorkerTripNumber	15.00	0.00
tblTripsAndVMT	WorkerTripNumber	30.00	0.00
tblTripsAndVMT	WorkerTripNumber	45.00	0.00
tblTripsAndVMT	WorkerTripNumber	9.00	0.00

2.0 Emissions Summary

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2026	18.7058	2.0170	2.2766	4.0800e-003	0.4034	0.0851	0.4885	0.2191	0.0797	0.2988	0.0000	353.7950	353.7950	0.0882	0.0000	355.9995
2027	18.7377	2.3231	2.7152	4.7900e-003	0.3906	0.0971	0.4878	0.2098	0.0910	0.3008	0.0000	414.6819	414.6819	0.1036	0.0000	417.2717
Maximum	**18.7377**	**2.3231**	**2.7152**	**4.7900e-003**	**0.4034**	**0.0971**	**0.4885**	**0.2191**	**0.0910**	**0.3008**	**0.0000**	**414.6819**	**414.6819**	**0.1036**	**0.0000**	**417.2717**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2026	18.7058	2.0170	2.2766	4.0800e-003	0.1574	0.0851	0.2425	0.0855	0.0797	0.1652	0.0000	353.7946	353.7946	0.0882	0.0000	355.9990
2027	18.7377	2.3231	2.7152	4.7900e-003	0.1524	0.0971	0.2496	0.0818	0.0910	0.1729	0.0000	414.6814	414.6814	0.1036	0.0000	417.2712
Maximum	**18.7377**	**2.3231**	**2.7152**	**4.7900e-003**	**0.1574**	**0.0971**	**0.2496**	**0.0855**	**0.0910**	**0.1729**	**0.0000**	**414.6814**	**414.6814**	**0.1036**	**0.0000**	**417.2712**

	ROG	**NOx**	**CO**	**SO2**	**Fugitive PM10**	**Exhaust PM10**	**PM10 Total**	**Fugitive PM2.5**	**Exhaust PM2.5**	**PM2.5 Total**	**Bio- CO2**	**NBio-CO2**	**Total CO2**	**CH4**	**N20**	**CO2e**
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**60.98**	**0.00**	**49.60**	**60.99**	**0.00**	**43.63**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
11	**4-1-2026**	**6-30-2026**	0.2818	0.2818
12	**7-1-2026**	**9-30-2026**	0.5582	0.5582
13	**10-1-2026**	**12-31-2026**	0.4250	0.4250
14	**1-1-2027**	**3-31-2027**	0.4471	0.4471
15	**4-1-2027**	**6-30-2027**	0.5760	0.5760
16	**7-1-2027**	**9-30-2027**	0.2818	0.2818
		Highest	0.5760	0.5760

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	10.7346	0.1639	10.6089	0.0176		1.3626	1.3626		1.3626	1.3626	129.1197	55.6670	184.7867	0.1206	0.0102	190.8285
Energy	0.0192	0.1641	0.0698	1.0500e-003		0.0133	0.0133		0.0133	0.0133	0.0000	400.0637	400.0637	0.0179	6.4300e-003	402.4276
Mobile	0.2471	1.0460	2.9741	0.0119	1.2701	8.4700e-003	1.2785	0.3400	7.8700e-003	0.3479	0.0000	1,100.5417	1,100.5417	0.0533	0.0000	1,101.8753
Waste						0.0000	0.0000		0.0000	0.0000	28.6299	0.0000	28.6299	1.6920	0.0000	70.9292
Water						0.0000	0.0000		0.0000	0.0000	2.5838	31.6241	34.2079	0.2675	6.7100e-003	42.8957
Total	**11.0009**	**1.3739**	**13.6529**	**0.0305**	**1.2701**	**1.3844**	**2.6544**	**0.3400**	**1.3838**	**1.7237**	**160.3334**	**1,587.8965**	**1,748.2299**	**2.1514**	**0.0233**	**1,808.9562**

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	10.7346	0.1639	10.6089	0.0176		1.3626	1.3626		1.3626	1.3626	129.1197	55.6670	184.7867	0.1206	0.0102	190.8285
Energy	0.0192	0.1641	0.0698	1.0500e-003		0.0133	0.0133		0.0133	0.0133	0.0000	400.0637	400.0637	0.0179	6.4300e-003	402.4276
Mobile	0.2471	1.0460	2.9741	0.0119	1.2701	8.4700e-003	1.2785	0.3400	7.8700e-003	0.3479	0.0000	1,100.5417	1,100.5417	0.0533	0.0000	1,101.8753
Waste						0.0000	0.0000		0.0000	0.0000	7.1575	0.0000	7.1575	0.4230	0.0000	17.7323
Water						0.0000	0.0000		0.0000	0.0000	2.5838	31.6241	34.2079	0.2675	6.7100e-003	42.8957
Total	**11.0009**	**1.3739**	**13.6529**	**0.0305**	**1.2701**	**1.3844**	**2.6544**	**0.3400**	**1.3838**	**1.7237**	**138.8610**	**1,587.8965**	**1,726.7575**	**0.8824**	**0.0233**	**1,755.7593**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**13.39**	**0.00**	**1.23**	**58.99**	**0.00**	**2.94**

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	P6 Site Preperation (mo. 1)	Site Preparation	4/1/2026	4/30/2026	5	22	
2	P6 Building Construction 1 (mo. 2-4)	Building Construction	5/1/2026	7/31/2026	5	66	
3	P6 Architecutal Coating	Architectural Coating	6/1/2026	7/31/2026	5	45	
4	P6 Building Construction 2 (mo. 5)	Building Construction	8/1/2026	8/31/2026	5	21	
5	P6 Paving	Paving	8/1/2026	8/31/2026	5	21	
6	P7 Paving	Paving	8/1/2026	8/31/2026	5	21	
7	P7 Site Preperation (mo. 1)	Site Preparation	9/1/2026	9/30/2026	5	22	
8	P7 Building Construction 1 (mo. 2-4)	Building Construction	10/1/2026	12/31/2026	5	66	
9	P7 Architecutal Coating	Architectural Coating	11/1/2026	12/31/2026	5	44	
10	P7 Building Construction 2 (mo. 5)	Building Construction	1/1/2027	1/31/2027	5	21	
11	P8 Paving	Paving	1/1/2027	1/31/2027	5	21	
12	P8 Site Preperation (mo. 1)	Site Preparation	2/1/2027	2/28/2027	5	20	
13	P8 Building Construction 1 (mo. 2-4)	Building Construction	3/1/2027	5/31/2027	5	66	
14	P8 Architecutal Coating	Architectural Coating	4/1/2027	5/31/2027	5	43	
15	P8 Building Construction 2 (mo. 5)	Building Construction	6/1/2027	6/30/2027	5	22	
16	P9 Paving	Paving	6/1/2027	6/30/2027	5	22	
17	P9 Site Preperation (mo. 1)	Site Preparation	7/1/2027	7/31/2027	5	22	
18	P9 Building Construction 1 (mo. 2-4)	Building Construction	8/1/2027	10/31/2027	5	65	
19	P9 Architecutal Coating	Architectural Coating	9/1/2027	10/31/2027	5	43	
20	P9 Building Construction 2 (mo. 5)	Building Construction	11/1/2027	11/30/2027	5	22	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

Residential Indoor: 1,197,028; Residential Outdoor: 399,009; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
P6 Site Preperation (mo. 1)	Cement and Mortar Mixers	1	8.00	9	0.56
P6 Site Preperation (mo. 1)	Graders	1	8.00	187	0.41
P6 Site Preperation (mo. 1)	Pumps	1	8.00	84	0.74
P6 Site Preperation (mo. 1)	Skid Steer Loaders	1	8.00	65	0.37
P6 Site Preperation (mo. 1)	Trenchers	1	8.00	78	0.50
P6 Building Construction 1 (mo. 2-4)	Rough Terrain Forklifts	1	8.00	100	0.40
P6 Building Construction 1 (mo. 2-4)	Tractors/Loaders/Backhoes	1	8.00	97	0.37
P6 Architecutal Coating	Air Compressors	2	6.00	78	0.48
P6 Building Construction 2 (mo. 5)	Cement and Mortar Mixers	1	8.00	9	0.56
P6 Building Construction 2 (mo. 5)	Rough Terrain Forklifts	1	8.00	100	0.40
P6 Building Construction 2 (mo. 5)	Skid Steer Loaders	2	8.00	65	0.37
P6 Paving	Pavers	2	8.00	130	0.42
P6 Paving	Paving Equipment	2	8.00	132	0.36
P6 Paving	Rollers	2	8.00	80	0.38
P7 Paving	Pavers	2	8.00	130	0.42
P7 Paving	Paving Equipment	2	8.00	132	0.36
P7 Paving	Rollers	2	8.00	80	0.38
P7 Site Preparation (mo. 1)	Cement and Mortar Mixers	1	8.00	9	0.56
P7 Site Preparation (mo. 1)	Graders	1	8.00	187	0.41
P7 Site Preparation (mo. 1)	Pumps	1	8.00	84	0.74
P7 Site Preparation (mo. 1)	Skid Steer Loaders	1	8.00	65	0.37
P7 Site Preparation (mo. 1)	Trenchers	1	8.00	78	0.50
P7 Building Construction 1 (mo. 2-4)	Rough Terrain Forklifts	1	8.00	100	0.40
P7 Building Construction 1 (mo. 2-4)	Tractors/Loaders/Backhoes	1	8.00	97	0.37
P7 Architectural Coating	Air Compressors	2	6.00	78	0.48
P7 Building Construction 2 (mo. 5)	Cement and Mortar Mixers	1	8.00	9	0.56
P7 Building Construction 2 (mo. 5)	Rough Terrain Forklifts	1	8.00	100	0.40

P7 Building Construction 2 (mo. 5)	Skid Steer Loaders	2	8.00	65	0.37
P8 Paving	Pavers	2	8.00	130	0.42
P8 Paving	Paving Equipment	2	8.00	132	0.36
P8 Paving	Rollers	2	8.00	80	0.38
P8 Site Preparation (mo. 1)	Cement and Mortar Mixers	1	8.00	9	0.56
P8 Site Preparation (mo. 1)	Graders	1	8.00	187	0.41
P8 Site Preparation (mo. 1)	Pumps	1	8.00	84	0.74
P8 Site Preparation (mo. 1)	Skid Steer Loaders	1	8.00	65	0.37
P8 Site Preparation (mo. 1)	Trenchers	1	8.00	78	0.50
P8 Building Construction 1 (mo. 2-4)	Rough Terrain Forklifts	1	8.00	100	0.40
P8 Building Construction 1 (mo. 2-4)	Tractors/Loaders/Backhoes	1	8.00	97	0.37
P8 Architectural Coating	Air Compressors	2	6.00	78	0.48
P8 Building Construction 2 (mo. 5)	Cement and Mortar Mixers	1	8.00	9	0.56
P8 Building Construction 2 (mo. 5)	Rough Terrain Forklifts	1	8.00	100	0.40
P8 Building Construction 2 (mo. 5)	Skid Steer Loaders	2	8.00	65	0.37
P9 Paving	Pavers	2	8.00	130	0.42
P9 Paving	Paving Equipment	2	8.00	132	0.36
P9 Paving	Rollers	2	8.00	80	0.38
P9 Site Preparation (mo. 1)	Cement and Mortar Mixers	1	8.00	9	0.56
P9 Site Preparation (mo. 1)	Graders	1	8.00	187	0.41
P9 Site Preparation (mo. 1)	Pumps	1	8.00	84	0.74
P9 Site Preparation (mo. 1)	Skid Steer Loaders	1	8.00	65	0.37
P9 Site Preparation (mo. 1)	Trenchers	1	8.00	78	0.50
P9 Building Construction 1 (mo. 2-4)	Rough Terrain Forklifts	1	8.00	100	0.40
P9 Building Construction 1 (mo. 2-4)	Tractors/Loaders/Backhoes	1	8.00	97	0.37
P9 Architectural Coating	Air Compressors	2	6.00	78	0.48
P9 Building Construction 2 (mo. 5)	Cement and Mortar Mixers	1	8.00	9	0.56
P9 Building Construction 2 (mo. 5)	Rough Terrain Forklifts	1	8.00	100	0.40
P9 Building Construction 2 (mo. 5)	Skid Steer Loaders	2	8.00	65	0.37

P7 Site Preperation (mo. 1)	Cement and Mortar Mixers	1	8.00	9	0.56
P7 Site Preperation (mo. 1)	Graders	1	8.00	187	0.41
P7 Site Preperation (mo. 1)	Pumps	1	8.00	84	0.74
P7 Site Preperation (mo. 1)	Skid Steer Loaders	1	8.00	65	0.37
P7 Site Preperation (mo. 1)	Trenchers	1	8.00	78	0.50
P7 Architecutal Coating	Air Compressors	2	6.00	78	0.48
P8 Site Preperation (mo. 1)	Cement and Mortar Mixers	1	8.00	9	0.56
P8 Site Preperation (mo. 1)	Graders	1	8.00	187	0.41
P8 Site Preperation (mo. 1)	Pumps	1	8.00	84	0.74
P8 Site Preperation (mo. 1)	Skid Steer Loaders	1	8.00	65	0.37
P8 Site Preperation (mo. 1)	Trenchers	1	8.00	78	0.50
P8 Architecutal Coating	Air Compressors	2	6.00	78	0.48
P9 Site Preperation (mo. 1)	Cement and Mortar Mixers	1	8.00	9	0.56
P9 Site Preperation (mo. 1)	Graders	1	8.00	187	0.41
P9 Site Preperation (mo. 1)	Pumps	1	8.00	84	0.74
P9 Site Preperation (mo. 1)	Skid Steer Loaders	1	8.00	65	0.37
P9 Site Preperation (mo. 1)	Trenchers	1	8.00	78	0.50
P9 Architecutal Coating	Air Compressors	2	6.00	78	0.48
P7 Building Construction 2 (mo. 5)	Cranes	1	7.00	231	0.29
P8 Building Construction 1 (mo. 2-4)	Cranes	1	7.00	231	0.29
P8 Building Construction 2 (mo. 5)	Cranes	1	7.00	231	0.29
P9 Building Construction 1 (mo. 2-4)	Cranes	1	7.00	231	0.29
P6 Building Construction 1 (mo. 2-4)	Cranes	1	7.00	231	0.29
P9 Building Construction 2 (mo. 5)	Cranes	1	7.00	231	0.29
P6 Building Construction 2 (mo. 5)	Cranes	1	7.00	231	0.29
P7 Building Construction 1 (mo. 2-4)	Cranes	1	7.00	231	0.29
P7 Building Construction 2 (mo. 5)	Forklifts	3	8.00	89	0.20
P8 Building Construction 1 (mo. 2-4)	Forklifts	3	8.00	89	0.20
P8 Building Construction 2 (mo. 5)	Forklifts	3	8.00	89	0.20

P9 Building Construction 1 (mo. 2-4)	Forklifts	3	8.00	89	0.20
P6 Building Construction 1 (mo. 2-4)	Forklifts	3	8.00	89	0.20
P9 Building Construction 2 (mo. 5)	Forklifts	3	8.00	89	0.20
P6 Building Construction 2 (mo. 5)	Forklifts	3	8.00	89	0.20
P7 Building Construction 1 (mo. 2-4)	Forklifts	3	8.00	89	0.20
P7 Building Construction 2 (mo. 5)	Generator Sets	1	8.00	84	0.74
P8 Building Construction 1 (mo. 2-4)	Generator Sets	1	8.00	84	0.74
P8 Building Construction 2 (mo. 5)	Generator Sets	1	8.00	84	0.74
P9 Building Construction 1 (mo. 2-4)	Generator Sets	1	8.00	84	0.74
P6 Building Construction 1 (mo. 2-4)	Generator Sets	1	8.00	84	0.74
P9 Building Construction 2 (mo. 5)	Generator Sets	1	8.00	84	0.74
P6 Building Construction 2 (mo. 5)	Generator Sets	1	8.00	84	0.74
P7 Building Construction 1 (mo. 2-4)	Generator Sets	1	8.00	84	0.74
P6 Site Preperation (mo. 1)	Rubber Tired Dozers	3	8.00	247	0.40
P8 Site Preperation (mo. 1)	Rubber Tired Dozers	3	8.00	247	0.40
P9 Site Preperation (mo. 1)	Rubber Tired Dozers	3	8.00	247	0.40
P7 Site Preperation (mo. 1)	Rubber Tired Dozers	3	8.00	247	0.40
P7 Building Construction 2 (mo. 5)	Tractors/Loaders/Backhoes	3	7.00	97	0.37
P8 Building Construction 2 (mo. 5)	Tractors/Loaders/Backhoes	3	7.00	97	0.37
P9 Building Construction 2 (mo. 5)	Tractors/Loaders/Backhoes	3	7.00	97	0.37
P6 Building Construction 2 (mo. 5)	Tractors/Loaders/Backhoes	3	7.00	97	0.37
P6 Site Preperation (mo. 1)	Tractors/Loaders/Backhoes	4	8.00	97	0.37
P8 Site Preperation (mo. 1)	Tractors/Loaders/Backhoes	4	8.00	97	0.37
P9 Site Preperation (mo. 1)	Tractors/Loaders/Backhoes	4	8.00	97	0.37
P7 Site Preperation (mo. 1)	Tractors/Loaders/Backhoes	4	8.00	97	0.37
P7 Building Construction 2 (mo. 5)	Welders	1	8.00	46	0.45
P8 Building Construction 1 (mo. 2-4)	Welders	1	8.00	46	0.45
P8 Building Construction 2 (mo. 5)	Welders	1	8.00	46	0.45
P9 Building Construction 1 (mo. 2-4)	Welders	1	8.00	46	0.45

P6 Building Construction 1 (mo. 2-4)	Welders	1	8.00	46	0.45
P9 Building Construction 2 (mo. 5)	Welders	1	8.00	46	0.45
P6 Building Construction 2 (mo. 5)	Welders	1	8.00	46	0.45
P7 Building Construction 1 (mo. 2-4)	Welders	1	8.00	46	0.45

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
P6 Site Preperation (mo. 1)	12	0.00	2.00	0.00	10.80	0.15	20.00	LD_Mix	HDT_Mix	HHDT
P6 Building Construction 1 (mo. 2-	8	0.00	2.00	0.00	10.80	0.15	20.00	LD_Mix	HDT_Mix	HHDT
P6 Architecutal Coating	2	0.00	4.00	0.00	10.80	0.15	20.00	LD_Mix	HDT_Mix	HHDT
P6 Building Construction 2 (mo. 5)	13	0.00	2.00	0.00	10.80	0.15	20.00	LD_Mix	HDT_Mix	HHDT
P6 Paving	6	0.00	10.00	0.00	10.80	0.15	20.00	LD_Mix	HDT_Mix	HHDT
P7 Paving	6	0.00	10.00	0.00	10.80	0.15	20.00	LD_Mix	HDT_Mix	HHDT
P8 Site Preperation (mo. 1)	12	0.00	2.00	0.00	10.80	0.15	20.00	LD_Mix	HDT_Mix	HHDT
P7 Building Construction 1 (mo. 2-	8	0.00	2.00	0.00	10.80	0.15	20.00	LD_Mix	HDT_Mix	HHDT
P8 Architecutal Coating	2	0.00	4.00	0.00	10.80	0.15	20.00	LD_Mix	HDT_Mix	HHDT
P7 Building Construction 2 (mo. 5)	13	0.00	2.00	0.00	10.80	0.15	20.00	LD_Mix	HDT_Mix	HHDT
P8 Paving	6	0.00	10.00	0.00	10.80	0.15	20.00	LD_Mix	HDT_Mix	HHDT
P9 Site Preperation (mo. 1)	12	0.00	2.00	0.00	10.80	0.15	20.00	LD_Mix	HDT_Mix	HHDT
P8 Building Construction 1 (mo. 2-	8	0.00	2.00	0.00	10.80	0.15	20.00	LD_Mix	HDT_Mix	HHDT
P9 Architecutal Coating	2	0.00	4.00	0.00	10.80	0.15	20.00	LD_Mix	HDT_Mix	HHDT
P8 Building Construction 2 (mo. 5)	13	0.00	2.00	0.00	10.80	0.15	20.00	LD_Mix	HDT_Mix	HHDT
P9 Paving	6	0.00	10.00	0.00	10.80	0.15	20.00	LD_Mix	HDT_Mix	HHDT
P7 Site Preperation (mo. 1)	12	0.00	4.00	0.00	10.80	0.15	20.00	LD_Mix	HDT_Mix	HHDT
P9 Building Construction 1 (mo. 2-	8	0.00	2.00	0.00	10.80	0.15	20.00	LD_Mix	HDT_Mix	HHDT
P7 Architecutal Coating	2	0.00	4.00	0.00	10.80	0.15	20.00	LD_Mix	HDT_Mix	HHDT
P9 Building Construction 2 (mo. 5)	13	0.00	2.00	0.00	10.80	0.15	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

Water Unpaved Roads

Reduce Vehicle Speed on Unpaved Roads

Clean Paved Roads

3.2 P6 Site Preperation (mo. 1) - 2026

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.1987	0.0000	0.1987	0.1092	0.0000	0.1092	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0385	0.3874	0.3023	6.3000e-004		0.0169	0.0169		0.0156	0.0156	0.0000	55.1912	55.1912	0.0160	0.0000	55.5907
Total	**0.0385**	**0.3874**	**0.3023**	**6.3000e-004**	**0.1987**	**0.0169**	**0.2156**	**0.1092**	**0.0156**	**0.1249**	**0.0000**	**55.1912**	**55.1912**	**0.0160**	**0.0000**	**55.5907**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.0000e-005	1.1100e-003	2.4000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.1149	0.1149	1.0000e-005	0.0000	0.1153
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**2.0000e-005**	**1.1100e-003**	**2.4000e-004**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.1149**	**0.1149**	**1.0000e-005**	**0.0000**	**0.1153**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0775	0.0000	0.0775	0.0426	0.0000	0.0426	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0385	0.3874	0.3023	6.3000e-004		0.0169	0.0169		0.0156	0.0156	0.0000	55.1911	55.1911	0.0160	0.0000	55.5906
Total	**0.0385**	**0.3874**	**0.3023**	**6.3000e-004**	**0.0775**	**0.0169**	**0.0944**	**0.0426**	**0.0156**	**0.0582**	**0.0000**	**55.1911**	**55.1911**	**0.0160**	**0.0000**	**55.5906**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.0000e-005	1.1100e-003	2.4000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.1149	0.1149	1.0000e-005	0.0000	0.1153
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**2.0000e-005**	**1.1100e-003**	**2.4000e-004**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.1149**	**0.1149**	**1.0000e-005**	**0.0000**	**0.1153**

3.3 P6 Building Construction 1 (mo. 2-4) - 2026

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0412	0.3823	0.4867	8.4000e-004		0.0157	0.0157		0.0148	0.0148	0.0000	71.8296	71.8296	0.0165	0.0000	72.2413
Total	**0.0412**	**0.3823**	**0.4867**	**8.4000e-004**		**0.0157**	**0.0157**		**0.0148**	**0.0148**	**0.0000**	**71.8296**	**71.8296**	**0.0165**	**0.0000**	**72.2413**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	6.0000e-005	3.3200e-003	7.1000e-004	0.0000	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0000	0.0000	0.0000	0.3447	0.3447	4.0000e-005	0.0000	0.3458
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**6.0000e-005**	**3.3200e-003**	**7.1000e-004**	**0.0000**	**1.0000e-005**	**0.0000**	**1.0000e-005**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.3447**	**0.3447**	**4.0000e-005**	**0.0000**	**0.3458**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0412	0.3823	0.4867	8.4000e-004		0.0157	0.0157		0.0148	0.0148	0.0000	71.8295	71.8295	0.0165	0.0000	72.2413
Total	**0.0412**	**0.3823**	**0.4867**	**8.4000e-004**		**0.0157**	**0.0157**		**0.0148**	**0.0148**	**0.0000**	**71.8295**	**71.8295**	**0.0165**	**0.0000**	**72.2413**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	6.0000e-005	3.3200e-003	7.1000e-004	0.0000	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0000	0.0000	0.0000	0.3447	0.3447	4.0000e-005	0.0000	0.3458
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**6.0000e-005**	**3.3200e-003**	**7.1000e-004**	**0.0000**	**1.0000e-005**	**0.0000**	**1.0000e-005**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.3447**	**0.3447**	**4.0000e-005**	**0.0000**	**0.3458**

3.4 P6 Architecutal Coating - 2026

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	9.2470					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	7.6900e-003	0.0516	0.0814	1.3000e-004		2.3200e-003	2.3200e-003		2.3200e-003	2.3200e-003	0.0000	11.4896	11.4896	6.3000e-004	0.0000	11.5053
Total	**9.2547**	**0.0516**	**0.0814**	**1.3000e-004**		**2.3200e-003**	**2.3200e-003**		**2.3200e-003**	**2.3200e-003**	**0.0000**	**11.4896**	**11.4896**	**6.3000e-004**	**0.0000**	**11.5053**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	8.0000e-005	4.5300e-003	9.7000e-004	0.0000	1.0000e-005	0.0000	2.0000e-005	0.0000	0.0000	1.0000e-005	0.0000	0.4701	0.4701	6.0000e-005	0.0000	0.4716
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**8.0000e-005**	**4.5300e-003**	**9.7000e-004**	**0.0000**	**1.0000e-005**	**0.0000**	**2.0000e-005**	**0.0000**	**0.0000**	**1.0000e-005**	**0.0000**	**0.4701**	**0.4701**	**6.0000e-005**	**0.0000**	**0.4716**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	9.2470					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	7.6900e-003	0.0516	0.0814	1.3000e-004		2.3200e-003	2.3200e-003		2.3200e-003	2.3200e-003	0.0000	11.4896	11.4896	6.3000e-004	0.0000	11.5053
Total	**9.2547**	**0.0516**	**0.0814**	**1.3000e-004**		**2.3200e-003**	**2.3200e-003**		**2.3200e-003**	**2.3200e-003**	**0.0000**	**11.4896**	**11.4896**	**6.3000e-004**	**0.0000**	**11.5053**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	8.0000e-005	4.5300e-003	9.7000e-004	0.0000	1.0000e-005	0.0000	2.0000e-005	0.0000	0.0000	1.0000e-005	0.0000	0.4701	0.4701	6.0000e-005	0.0000	0.4716
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**8.0000e-005**	**4.5300e-003**	**9.7000e-004**	**0.0000**	**1.0000e-005**	**0.0000**	**2.0000e-005**	**0.0000**	**0.0000**	**1.0000e-005**	**0.0000**	**0.4701**	**0.4701**	**6.0000e-005**	**0.0000**	**0.4716**

3.5 P6 Building Construction 2 (mo. 5) - 2026

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0172	0.1649	0.2251	3.7000e-004		6.5700e-003	6.5700e-003		6.1700e-003	6.1700e-003	0.0000	31.8308	31.8308	8.0400e-003	0.0000	32.0317
Total	**0.0172**	**0.1649**	**0.2251**	**3.7000e-004**		**6.5700e-003**	**6.5700e-003**		**6.1700e-003**	**6.1700e-003**	**0.0000**	**31.8308**	**31.8308**	**8.0400e-003**	**0.0000**	**32.0317**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.0000e-005	1.0600e-003	2.3000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.1097	0.1097	1.0000e-005	0.0000	0.1100
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**2.0000e-005**	**1.0600e-003**	**2.3000e-004**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.1097**	**0.1097**	**1.0000e-005**	**0.0000**	**0.1100**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0172	0.1649	0.2251	3.7000e-004		6.5700e-003	6.5700e-003		6.1700e-003	6.1700e-003	0.0000	31.8307	31.8307	8.0400e-003	0.0000	32.0317
Total	**0.0172**	**0.1649**	**0.2251**	**3.7000e-004**		**6.5700e-003**	**6.5700e-003**		**6.1700e-003**	**6.1700e-003**	**0.0000**	**31.8307**	**31.8307**	**8.0400e-003**	**0.0000**	**32.0317**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.0000e-005	1.0600e-003	2.3000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.1097	0.1097	1.0000e-005	0.0000	0.1100
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**2.0000e-005**	**1.0600e-003**	**2.3000e-004**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.1097**	**0.1097**	**1.0000e-005**	**0.0000**	**0.1100**

3.6 P6 Paving - 2026

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	9.6100e-003	0.0901	0.1531	2.4000e-004		4.3900e-003	4.3900e-003		4.0400e-003	4.0400e-003	0.0000	21.0202	21.0202	6.8000e-003	0.0000	21.1902
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**9.6100e-003**	**0.0901**	**0.1531**	**2.4000e-004**		**4.3900e-003**	**4.3900e-003**		**4.0400e-003**	**4.0400e-003**	**0.0000**	**21.0202**	**21.0202**	**6.8000e-003**	**0.0000**	**21.1902**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	9.0000e-005	5.2800e-003	1.1300e-003	1.0000e-005	2.0000e-005	0.0000	2.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.5484	0.5484	7.0000e-005	0.0000	0.5502
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**9.0000e-005**	**5.2800e-003**	**1.1300e-003**	**1.0000e-005**	**2.0000e-005**	**0.0000**	**2.0000e-005**	**1.0000e-005**	**0.0000**	**1.0000e-005**	**0.0000**	**0.5484**	**0.5484**	**7.0000e-005**	**0.0000**	**0.5502**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	9.6100e-003	0.0901	0.1531	2.4000e-004		4.3900e-003	4.3900e-003		4.0400e-003	4.0400e-003	0.0000	21.0202	21.0202	6.8000e-003	0.0000	21.1902
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**9.6100e-003**	**0.0901**	**0.1531**	**2.4000e-004**		**4.3900e-003**	**4.3900e-003**		**4.0400e-003**	**4.0400e-003**	**0.0000**	**21.0202**	**21.0202**	**6.8000e-003**	**0.0000**	**21.1902**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	9.0000e-005	5.2800e-003	1.1300e-003	1.0000e-005	2.0000e-005	0.0000	2.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.5484	0.5484	7.0000e-005	0.0000	0.5502
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**9.0000e-005**	**5.2800e-003**	**1.1300e-003**	**1.0000e-005**	**2.0000e-005**	**0.0000**	**2.0000e-005**	**1.0000e-005**	**0.0000**	**1.0000e-005**	**0.0000**	**0.5484**	**0.5484**	**7.0000e-005**	**0.0000**	**0.5502**

3.7 P7 Paving - 2026

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	9.6100e-003	0.0901	0.1531	2.4000e-004		4.3900e-003	4.3900e-003		4.0400e-003	4.0400e-003	0.0000	21.0202	21.0202	6.8000e-003	0.0000	21.1902
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**9.6100e-003**	**0.0901**	**0.1531**	**2.4000e-004**		**4.3900e-003**	**4.3900e-003**		**4.0400e-003**	**4.0400e-003**	**0.0000**	**21.0202**	**21.0202**	**6.8000e-003**	**0.0000**	**21.1902**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	9.0000e-005	5.2800e-003	1.1300e-003	1.0000e-005	2.0000e-005	0.0000	2.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.5484	0.5484	7.0000e-005	0.0000	0.5502
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**9.0000e-005**	**5.2800e-003**	**1.1300e-003**	**1.0000e-005**	**2.0000e-005**	**0.0000**	**2.0000e-005**	**1.0000e-005**	**0.0000**	**1.0000e-005**	**0.0000**	**0.5484**	**0.5484**	**7.0000e-005**	**0.0000**	**0.5502**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	9.6100e-003	0.0901	0.1531	2.4000e-004		4.3900e-003	4.3900e-003		4.0400e-003	4.0400e-003	0.0000	21.0202	21.0202	6.8000e-003	0.0000	21.1902
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**9.6100e-003**	**0.0901**	**0.1531**	**2.4000e-004**		**4.3900e-003**	**4.3900e-003**		**4.0400e-003**	**4.0400e-003**	**0.0000**	**21.0202**	**21.0202**	**6.8000e-003**	**0.0000**	**21.1902**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	9.0000e-005	5.2800e-003	1.1300e-003	1.0000e-005	2.0000e-005	0.0000	2.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.5484	0.5484	7.0000e-005	0.0000	0.5502
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**9.0000e-005**	**5.2800e-003**	**1.1300e-003**	**1.0000e-005**	**2.0000e-005**	**0.0000**	**2.0000e-005**	**1.0000e-005**	**0.0000**	**1.0000e-005**	**0.0000**	**0.5484**	**0.5484**	**7.0000e-005**	**0.0000**	**0.5502**

3.8 P7 Site Preperation (mo. 1) - 2026

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.2046	0.0000	0.2046	0.1099	0.0000	0.1099	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0385	0.3874	0.3023	6.3000e-004		0.0169	0.0169		0.0156	0.0156	0.0000	55.1791	55.1791	0.0160	0.0000	55.5786
Total	**0.0385**	**0.3874**	**0.3023**	**6.3000e-004**	**0.2046**	**0.0169**	**0.2214**	**0.1099**	**0.0156**	**0.1255**	**0.0000**	**55.1791**	**55.1791**	**0.0160**	**0.0000**	**55.5786**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	4.0000e-005	2.2100e-003	4.7000e-004	0.0000	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0000	0.0000	0.0000	0.2298	0.2298	3.0000e-005	0.0000	0.2306
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**4.0000e-005**	**2.2100e-003**	**4.7000e-004**	**0.0000**	**1.0000e-005**	**0.0000**	**1.0000e-005**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.2298**	**0.2298**	**3.0000e-005**	**0.0000**	**0.2306**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0798	0.0000	0.0798	0.0429	0.0000	0.0429	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0385	0.3874	0.3023	6.3000e-004		0.0169	0.0169		0.0156	0.0156	0.0000	55.1791	55.1791	0.0160	0.0000	55.5785
Total	**0.0385**	**0.3874**	**0.3023**	**6.3000e-004**	**0.0798**	**0.0169**	**0.0967**	**0.0429**	**0.0156**	**0.0585**	**0.0000**	**55.1791**	**55.1791**	**0.0160**	**0.0000**	**55.5785**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	4.0000e-005	2.2100e-003	4.7000e-004	0.0000	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0000	0.0000	0.0000	0.2298	0.2298	3.0000e-005	0.0000	0.2306
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**4.0000e-005**	**2.2100e-003**	**4.7000e-004**	**0.0000**	**1.0000e-005**	**0.0000**	**1.0000e-005**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.2298**	**0.2298**	**3.0000e-005**	**0.0000**	**0.2306**

3.9 P7 Building Construction 1 (mo. 2-4) - 2026

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0412	0.3823	0.4867	8.4000e-004		0.0157	0.0157		0.0148	0.0148	0.0000	71.8296	71.8296	0.0165	0.0000	72.2413
Total	**0.0412**	**0.3823**	**0.4867**	**8.4000e-004**		**0.0157**	**0.0157**		**0.0148**	**0.0148**	**0.0000**	**71.8296**	**71.8296**	**0.0165**	**0.0000**	**72.2413**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	6.0000e-005	3.3200e-003	7.1000e-004	0.0000	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0000	0.0000	0.0000	0.3447	0.3447	4.0000e-005	0.0000	0.3458
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**6.0000e-005**	**3.3200e-003**	**7.1000e-004**	**0.0000**	**1.0000e-005**	**0.0000**	**1.0000e-005**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.3447**	**0.3447**	**4.0000e-005**	**0.0000**	**0.3458**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0412	0.3823	0.4867	8.4000e-004		0.0157	0.0157		0.0148	0.0148	0.0000	71.8295	71.8295	0.0165	0.0000	72.2413
Total	**0.0412**	**0.3823**	**0.4867**	**8.4000e-004**		**0.0157**	**0.0157**		**0.0148**	**0.0148**	**0.0000**	**71.8295**	**71.8295**	**0.0165**	**0.0000**	**72.2413**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	6.0000e-005	3.3200e-003	7.1000e-004	0.0000	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0000	0.0000	0.0000	0.3447	0.3447	4.0000e-005	0.0000	0.3458
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**6.0000e-005**	**3.3200e-003**	**7.1000e-004**	**0.0000**	**1.0000e-005**	**0.0000**	**1.0000e-005**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.3447**	**0.3447**	**4.0000e-005**	**0.0000**	**0.3458**

3.10 P7 Architecutal Coating - 2026

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	9.2470					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	7.5200e-003	0.0504	0.0796	1.3000e-004		2.2700e-003	2.2700e-003		2.2700e-003	2.2700e-003	0.0000	11.2343	11.2343	6.1000e-004	0.0000	11.2496
Total	**9.2546**	**0.0504**	**0.0796**	**1.3000e-004**		**2.2700e-003**	**2.2700e-003**		**2.2700e-003**	**2.2700e-003**	**0.0000**	**11.2343**	**11.2343**	**6.1000e-004**	**0.0000**	**11.2496**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	8.0000e-005	4.4300e-003	9.5000e-004	0.0000	1.0000e-005	0.0000	2.0000e-005	0.0000	0.0000	1.0000e-005	0.0000	0.4596	0.4596	6.0000e-005	0.0000	0.4611
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**8.0000e-005**	**4.4300e-003**	**9.5000e-004**	**0.0000**	**1.0000e-005**	**0.0000**	**2.0000e-005**	**0.0000**	**0.0000**	**1.0000e-005**	**0.0000**	**0.4596**	**0.4596**	**6.0000e-005**	**0.0000**	**0.4611**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	9.2470					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	7.5200e-003	0.0504	0.0796	1.3000e-004		2.2700e-003	2.2700e-003		2.2700e-003	2.2700e-003	0.0000	11.2343	11.2343	6.1000e-004	0.0000	11.2496
Total	**9.2546**	**0.0504**	**0.0796**	**1.3000e-004**		**2.2700e-003**	**2.2700e-003**		**2.2700e-003**	**2.2700e-003**	**0.0000**	**11.2343**	**11.2343**	**6.1000e-004**	**0.0000**	**11.2496**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	8.0000e-005	4.4300e-003	9.5000e-004	0.0000	1.0000e-005	0.0000	2.0000e-005	0.0000	0.0000	1.0000e-005	0.0000	0.4596	0.4596	6.0000e-005	0.0000	0.4611
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**8.0000e-005**	**4.4300e-003**	**9.5000e-004**	**0.0000**	**1.0000e-005**	**0.0000**	**2.0000e-005**	**0.0000**	**0.0000**	**1.0000e-005**	**0.0000**	**0.4596**	**0.4596**	**6.0000e-005**	**0.0000**	**0.4611**

3.11 P7 Building Construction 2 (mo. 5) - 2027

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0172	0.1649	0.2251	3.7000e-004		6.5700e-003	6.5700e-003		6.1700e-003	6.1700e-003	0.0000	31.8308	31.8308	8.0400e-003	0.0000	32.0317
Total	**0.0172**	**0.1649**	**0.2251**	**3.7000e-004**		**6.5700e-003**	**6.5700e-003**		**6.1700e-003**	**6.1700e-003**	**0.0000**	**31.8308**	**31.8308**	**8.0400e-003**	**0.0000**	**32.0317**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.0000e-005	1.0500e-003	2.2000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.1087	0.1087	1.0000e-005	0.0000	0.1090
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**2.0000e-005**	**1.0500e-003**	**2.2000e-004**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.1087**	**0.1087**	**1.0000e-005**	**0.0000**	**0.1090**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0172	0.1649	0.2251	3.7000e-004		6.5700e-003	6.5700e-003		6.1700e-003	6.1700e-003	0.0000	31.8307	31.8307	8.0400e-003	0.0000	32.0317
Total	**0.0172**	**0.1649**	**0.2251**	**3.7000e-004**		**6.5700e-003**	**6.5700e-003**		**6.1700e-003**	**6.1700e-003**	**0.0000**	**31.8307**	**31.8307**	**8.0400e-003**	**0.0000**	**32.0317**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.0000e-005	1.0500e-003	2.2000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.1087	0.1087	1.0000e-005	0.0000	0.1090
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**2.0000e-005**	**1.0500e-003**	**2.2000e-004**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.1087**	**0.1087**	**1.0000e-005**	**0.0000**	**0.1090**

3.12 P8 Paving - 2027

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	9.6100e-003	0.0901	0.1531	2.4000e-004		4.3900e-003	4.3900e-003		4.0400e-003	4.0400e-003	0.0000	21.0202	21.0202	6.8000e-003	0.0000	21.1902
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**9.6100e-003**	**0.0901**	**0.1531**	**2.4000e-004**		**4.3900e-003**	**4.3900e-003**		**4.0400e-003**	**4.0400e-003**	**0.0000**	**21.0202**	**21.0202**	**6.8000e-003**	**0.0000**	**21.1902**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	9.0000e-005	5.2400e-003	1.1000e-003	1.0000e-005	2.0000e-005	0.0000	2.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.5433	0.5433	7.0000e-005	0.0000	0.5450
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**9.0000e-005**	**5.2400e-003**	**1.1000e-003**	**1.0000e-005**	**2.0000e-005**	**0.0000**	**2.0000e-005**	**1.0000e-005**	**0.0000**	**1.0000e-005**	**0.0000**	**0.5433**	**0.5433**	**7.0000e-005**	**0.0000**	**0.5450**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	9.6100e-003	0.0901	0.1531	2.4000e-004		4.3900e-003	4.3900e-003		4.0400e-003	4.0400e-003	0.0000	21.0202	21.0202	6.8000e-003	0.0000	21.1902
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**9.6100e-003**	**0.0901**	**0.1531**	**2.4000e-004**		**4.3900e-003**	**4.3900e-003**		**4.0400e-003**	**4.0400e-003**	**0.0000**	**21.0202**	**21.0202**	**6.8000e-003**	**0.0000**	**21.1902**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	9.0000e-005	5.2400e-003	1.1000e-003	1.0000e-005	2.0000e-005	0.0000	2.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.5433	0.5433	7.0000e-005	0.0000	0.5450
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**9.0000e-005**	**5.2400e-003**	**1.1000e-003**	**1.0000e-005**	**2.0000e-005**	**0.0000**	**2.0000e-005**	**1.0000e-005**	**0.0000**	**1.0000e-005**	**0.0000**	**0.5433**	**0.5433**	**7.0000e-005**	**0.0000**	**0.5450**

3.13 P8 Site Preperation (mo. 1) - 2027

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.1860	0.0000	0.1860	0.0999	0.0000	0.0999	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0350	0.3522	0.2748	5.7000e-004		0.0153	0.0153		0.0142	0.0142	0.0000	50.1629	50.1629	0.0145	0.0000	50.5260
Total	**0.0350**	**0.3522**	**0.2748**	**5.7000e-004**	**0.1860**	**0.0153**	**0.2013**	**0.0999**	**0.0142**	**0.1141**	**0.0000**	**50.1629**	**50.1629**	**0.0145**	**0.0000**	**50.5260**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.0000e-005	1.0000e-003	2.1000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.1035	0.1035	1.0000e-005	0.0000	0.1038
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**2.0000e-005**	**1.0000e-003**	**2.1000e-004**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.1035**	**0.1035**	**1.0000e-005**	**0.0000**	**0.1038**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0725	0.0000	0.0725	0.0390	0.0000	0.0390	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0350	0.3522	0.2748	5.7000e-004		0.0153	0.0153		0.0142	0.0142	0.0000	50.1628	50.1628	0.0145	0.0000	50.5259
Total	**0.0350**	**0.3522**	**0.2748**	**5.7000e-004**	**0.0725**	**0.0153**	**0.0879**	**0.0390**	**0.0142**	**0.0532**	**0.0000**	**50.1628**	**50.1628**	**0.0145**	**0.0000**	**50.5259**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.0000e-005	1.0000e-003	2.1000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.1035	0.1035	1.0000e-005	0.0000	0.1038
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**2.0000e-005**	**1.0000e-003**	**2.1000e-004**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.1035**	**0.1035**	**1.0000e-005**	**0.0000**	**0.1038**

3.14 P8 Building Construction 1 (mo. 2-4) - 2027

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0412	0.3823	0.4867	8.4000e-004		0.0157	0.0157		0.0148	0.0148	0.0000	71.8296	71.8296	0.0165	0.0000	72.2413
Total	**0.0412**	**0.3823**	**0.4867**	**8.4000e-004**		**0.0157**	**0.0157**		**0.0148**	**0.0148**	**0.0000**	**71.8296**	**71.8296**	**0.0165**	**0.0000**	**72.2413**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	6.0000e-005	3.3000e-003	6.9000e-004	0.0000	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0000	0.0000	0.0000	0.3415	0.3415	4.0000e-005	0.0000	0.3426
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**6.0000e-005**	**3.3000e-003**	**6.9000e-004**	**0.0000**	**1.0000e-005**	**0.0000**	**1.0000e-005**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.3415**	**0.3415**	**4.0000e-005**	**0.0000**	**0.3426**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0412	0.3823	0.4867	8.4000e-004		0.0157	0.0157		0.0148	0.0148	0.0000	71.8295	71.8295	0.0165	0.0000	72.2413
Total	**0.0412**	**0.3823**	**0.4867**	**8.4000e-004**		**0.0157**	**0.0157**		**0.0148**	**0.0148**	**0.0000**	**71.8295**	**71.8295**	**0.0165**	**0.0000**	**72.2413**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	6.0000e-005	3.3000e-003	6.9000e-004	0.0000	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0000	0.0000	0.0000	0.3415	0.3415	4.0000e-005	0.0000	0.3426
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**6.0000e-005**	**3.3000e-003**	**6.9000e-004**	**0.0000**	**1.0000e-005**	**0.0000**	**1.0000e-005**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.3415**	**0.3415**	**4.0000e-005**	**0.0000**	**0.3426**

3.15 P8 Architecutal Coating - 2027

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	9.2470					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	7.3500e-003	0.0493	0.0778	1.3000e-004		2.2100e-003	2.2100e-003		2.2100e-003	2.2100e-003	0.0000	10.9790	10.9790	6.0000e-004	0.0000	10.9940
Total	**9.2544**	**0.0493**	**0.0778**	**1.3000e-004**		**2.2100e-003**	**2.2100e-003**		**2.2100e-003**	**2.2100e-003**	**0.0000**	**10.9790**	**10.9790**	**6.0000e-004**	**0.0000**	**10.9940**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	7.0000e-005	4.2900e-003	9.0000e-004	0.0000	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0000	1.0000e-005	0.0000	0.4450	0.4450	6.0000e-005	0.0000	0.4464
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**7.0000e-005**	**4.2900e-003**	**9.0000e-004**	**0.0000**	**1.0000e-005**	**0.0000**	**1.0000e-005**	**0.0000**	**0.0000**	**1.0000e-005**	**0.0000**	**0.4450**	**0.4450**	**6.0000e-005**	**0.0000**	**0.4464**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	9.2470					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	7.3500e-003	0.0493	0.0778	1.3000e-004		2.2100e-003	2.2100e-003		2.2100e-003	2.2100e-003	0.0000	10.9790	10.9790	6.0000e-004	0.0000	10.9940
Total	**9.2544**	**0.0493**	**0.0778**	**1.3000e-004**		**2.2100e-003**	**2.2100e-003**		**2.2100e-003**	**2.2100e-003**	**0.0000**	**10.9790**	**10.9790**	**6.0000e-004**	**0.0000**	**10.9940**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	7.0000e-005	4.2900e-003	9.0000e-004	0.0000	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0000	1.0000e-005	0.0000	0.4450	0.4450	6.0000e-005	0.0000	0.4464
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**7.0000e-005**	**4.2900e-003**	**9.0000e-004**	**0.0000**	**1.0000e-005**	**0.0000**	**1.0000e-005**	**0.0000**	**0.0000**	**1.0000e-005**	**0.0000**	**0.4450**	**0.4450**	**6.0000e-005**	**0.0000**	**0.4464**

3.16 P8 Building Construction 2 (mo. 5) - 2027

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0181	0.1728	0.2358	3.9000e-004		6.8900e-003	6.8900e-003		6.4700e-003	6.4700e-003	0.0000	33.3465	33.3465	8.4200e-003	0.0000	33.5570
Total	**0.0181**	**0.1728**	**0.2358**	**3.9000e-004**		**6.8900e-003**	**6.8900e-003**		**6.4700e-003**	**6.4700e-003**	**0.0000**	**33.3465**	**33.3465**	**8.4200e-003**	**0.0000**	**33.5570**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.0000e-005	1.1000e-003	2.3000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.1138	0.1138	1.0000e-005	0.0000	0.1142
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**2.0000e-005**	**1.1000e-003**	**2.3000e-004**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.1138**	**0.1138**	**1.0000e-005**	**0.0000**	**0.1142**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0181	0.1728	0.2358	3.9000e-004		6.8900e-003	6.8900e-003		6.4700e-003	6.4700e-003	0.0000	33.3465	33.3465	8.4200e-003	0.0000	33.5570
Total	**0.0181**	**0.1728**	**0.2358**	**3.9000e-004**		**6.8900e-003**	**6.8900e-003**		**6.4700e-003**	**6.4700e-003**	**0.0000**	**33.3465**	**33.3465**	**8.4200e-003**	**0.0000**	**33.5570**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.0000e-005	1.1000e-003	2.3000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.1138	0.1138	1.0000e-005	0.0000	0.1142
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**2.0000e-005**	**1.1000e-003**	**2.3000e-004**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.1138**	**0.1138**	**1.0000e-005**	**0.0000**	**0.1142**

3.17 P9 Paving - 2027

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0101	0.0944	0.1604	2.5000e-004		4.6000e-003	4.6000e-003		4.2400e-003	4.2400e-003	0.0000	22.0212	22.0212	7.1200e-003	0.0000	22.1992
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0101**	**0.0944**	**0.1604**	**2.5000e-004**		**4.6000e-003**	**4.6000e-003**		**4.2400e-003**	**4.2400e-003**	**0.0000**	**22.0212**	**22.0212**	**7.1200e-003**	**0.0000**	**22.1992**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.0000e-004	5.4900e-003	1.1500e-003	1.0000e-005	2.0000e-005	0.0000	2.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.5691	0.5691	7.0000e-005	0.0000	0.5709
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**1.0000e-004**	**5.4900e-003**	**1.1500e-003**	**1.0000e-005**	**2.0000e-005**	**0.0000**	**2.0000e-005**	**1.0000e-005**	**0.0000**	**1.0000e-005**	**0.0000**	**0.5691**	**0.5691**	**7.0000e-005**	**0.0000**	**0.5709**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0101	0.0944	0.1604	2.5000e-004		4.6000e-003	4.6000e-003		4.2400e-003	4.2400e-003	0.0000	22.0212	22.0212	7.1200e-003	0.0000	22.1992
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0101**	**0.0944**	**0.1604**	**2.5000e-004**		**4.6000e-003**	**4.6000e-003**		**4.2400e-003**	**4.2400e-003**	**0.0000**	**22.0212**	**22.0212**	**7.1200e-003**	**0.0000**	**22.1992**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.0000e-004	5.4900e-003	1.1500e-003	1.0000e-005	2.0000e-005	0.0000	2.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.5691	0.5691	7.0000e-005	0.0000	0.5709
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**1.0000e-004**	**5.4900e-003**	**1.1500e-003**	**1.0000e-005**	**2.0000e-005**	**0.0000**	**2.0000e-005**	**1.0000e-005**	**0.0000**	**1.0000e-005**	**0.0000**	**0.5691**	**0.5691**	**7.0000e-005**	**0.0000**	**0.5709**

3.18 P9 Site Preperation (mo. 1) - 2027

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.2046	0.0000	0.2046	0.1099	0.0000	0.1099	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0385	0.3874	0.3023	6.3000e-004		0.0169	0.0169		0.0156	0.0156	0.0000	55.1912	55.1912	0.0160	0.0000	55.5907
Total	**0.0385**	**0.3874**	**0.3023**	**6.3000e-004**	**0.2046**	**0.0169**	**0.2214**	**0.1099**	**0.0156**	**0.1255**	**0.0000**	**55.1912**	**55.1912**	**0.0160**	**0.0000**	**55.5907**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.0000e-005	1.1000e-003	2.3000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.1138	0.1138	1.0000e-005	0.0000	0.1142
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**2.0000e-005**	**1.1000e-003**	**2.3000e-004**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.1138**	**0.1138**	**1.0000e-005**	**0.0000**	**0.1142**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0798	0.0000	0.0798	0.0429	0.0000	0.0429	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0385	0.3874	0.3023	6.3000e-004		0.0169	0.0169		0.0156	0.0156	0.0000	55.1911	55.1911	0.0160	0.0000	55.5906
Total	**0.0385**	**0.3874**	**0.3023**	**6.3000e-004**	**0.0798**	**0.0169**	**0.0967**	**0.0429**	**0.0156**	**0.0585**	**0.0000**	**55.1911**	**55.1911**	**0.0160**	**0.0000**	**55.5906**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.0000e-005	1.1000e-003	2.3000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.1138	0.1138	1.0000e-005	0.0000	0.1142
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**2.0000e-005**	**1.1000e-003**	**2.3000e-004**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.1138**	**0.1138**	**1.0000e-005**	**0.0000**	**0.1142**

3.19 P9 Building Construction 1 (mo. 2-4) - 2027

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0406	0.3765	0.4793	8.2000e-004		0.0155	0.0155		0.0146	0.0146	0.0000	70.7413	70.7413	0.0162	0.0000	71.1468
Total	**0.0406**	**0.3765**	**0.4793**	**8.2000e-004**		**0.0155**	**0.0155**		**0.0146**	**0.0146**	**0.0000**	**70.7413**	**70.7413**	**0.0162**	**0.0000**	**71.1468**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	6.0000e-005	3.2500e-003	6.8000e-004	0.0000	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0000	0.0000	0.0000	0.3363	0.3363	4.0000e-005	0.0000	0.3374
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**6.0000e-005**	**3.2500e-003**	**6.8000e-004**	**0.0000**	**1.0000e-005**	**0.0000**	**1.0000e-005**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.3363**	**0.3363**	**4.0000e-005**	**0.0000**	**0.3374**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0406	0.3765	0.4793	8.2000e-004		0.0155	0.0155		0.0146	0.0146	0.0000	70.7412	70.7412	0.0162	0.0000	71.1467
Total	**0.0406**	**0.3765**	**0.4793**	**8.2000e-004**		**0.0155**	**0.0155**		**0.0146**	**0.0146**	**0.0000**	**70.7412**	**70.7412**	**0.0162**	**0.0000**	**71.1467**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	6.0000e-005	3.2500e-003	6.8000e-004	0.0000	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0000	0.0000	0.0000	0.3363	0.3363	4.0000e-005	0.0000	0.3374
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**6.0000e-005**	**3.2500e-003**	**6.8000e-004**	**0.0000**	**1.0000e-005**	**0.0000**	**1.0000e-005**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.3363**	**0.3363**	**4.0000e-005**	**0.0000**	**0.3374**

3.20 P9 Architecutal Coating - 2027

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	9.2470					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	7.3500e-003	0.0493	0.0778	1.3000e-004		2.2100e-003	2.2100e-003		2.2100e-003	2.2100e-003	0.0000	10.9790	10.9790	6.0000e-004	0.0000	10.9940
Total	**9.2544**	**0.0493**	**0.0778**	**1.3000e-004**		**2.2100e-003**	**2.2100e-003**		**2.2100e-003**	**2.2100e-003**	**0.0000**	**10.9790**	**10.9790**	**6.0000e-004**	**0.0000**	**10.9940**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	7.0000e-005	4.2900e-003	9.0000e-004	0.0000	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0000	1.0000e-005	0.0000	0.4450	0.4450	6.0000e-005	0.0000	0.4464
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**7.0000e-005**	**4.2900e-003**	**9.0000e-004**	**0.0000**	**1.0000e-005**	**0.0000**	**1.0000e-005**	**0.0000**	**0.0000**	**1.0000e-005**	**0.0000**	**0.4450**	**0.4450**	**6.0000e-005**	**0.0000**	**0.4464**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	9.2470					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	7.3500e-003	0.0493	0.0778	1.3000e-004		2.2100e-003	2.2100e-003		2.2100e-003	2.2100e-003	0.0000	10.9790	10.9790	6.0000e-004	0.0000	10.9940
Total	**9.2544**	**0.0493**	**0.0778**	**1.3000e-004**		**2.2100e-003**	**2.2100e-003**		**2.2100e-003**	**2.2100e-003**	**0.0000**	**10.9790**	**10.9790**	**6.0000e-004**	**0.0000**	**10.9940**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	7.0000e-005	4.2900e-003	9.0000e-004	0.0000	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0000	1.0000e-005	0.0000	0.4450	0.4450	6.0000e-005	0.0000	0.4464
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**7.0000e-005**	**4.2900e-003**	**9.0000e-004**	**0.0000**	**1.0000e-005**	**0.0000**	**1.0000e-005**	**0.0000**	**0.0000**	**1.0000e-005**	**0.0000**	**0.4450**	**0.4450**	**6.0000e-005**	**0.0000**	**0.4464**

3.21 P9 Building Construction 2 (mo. 5) - 2027

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0181	0.1728	0.2358	3.9000e-004		6.8900e-003	6.8900e-003		6.4700e-003	6.4700e-003	0.0000	33.3465	33.3465	8.4200e-003	0.0000	33.5570
Total	**0.0181**	**0.1728**	**0.2358**	**3.9000e-004**		**6.8900e-003**	**6.8900e-003**		**6.4700e-003**	**6.4700e-003**	**0.0000**	**33.3465**	**33.3465**	**8.4200e-003**	**0.0000**	**33.5570**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.0000e-005	1.1000e-003	2.3000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.1138	0.1138	1.0000e-005	0.0000	0.1142
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**2.0000e-005**	**1.1000e-003**	**2.3000e-004**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.1138**	**0.1138**	**1.0000e-005**	**0.0000**	**0.1142**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0181	0.1728	0.2358	3.9000e-004		6.8900e-003	6.8900e-003		6.4700e-003	6.4700e-003	0.0000	33.3465	33.3465	8.4200e-003	0.0000	33.5570
Total	**0.0181**	**0.1728**	**0.2358**	**3.9000e-004**		**6.8900e-003**	**6.8900e-003**		**6.4700e-003**	**6.4700e-003**	**0.0000**	**33.3465**	**33.3465**	**8.4200e-003**	**0.0000**	**33.5570**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.0000e-005	1.1000e-003	2.3000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.1138	0.1138	1.0000e-005	0.0000	0.1142
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**2.0000e-005**	**1.1000e-003**	**2.3000e-004**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.1138**	**0.1138**	**1.0000e-005**	**0.0000**	**0.1142**

CalEEMod Version: CalEEMod.2016.3.1 Date: 1/9/2018 8:37 AM

Proctor Valley EIR - PA 16-19 Residential

San Diego County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Single Family Housing	125.00	Dwelling Unit	368.00	591,125.00	344

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.6	**Precipitation Freq (Days)**	40
Climate Zone	13			**Operational Year**	2028
Utility Company	San Diego Gas & Electric				
CO2 Intensity (lb/MWhr)	427.49	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - Refer to CalEEMod Input Matrix Table 2

Land Use - Refer to CalEEMod Input Matrix Table 4

Off-road Equipment - Refer to CalEEMod Input Matrix Table 6

Off-road Equipment - Refer to CalEEMod Input Matrix Table 6

Trips and VMT - Refer to CalEEMod Input Matrix Table 9

Vehicle Trips - Refer to CalEEMod Input Matrix Table 12

Woodstoves - Refer to CalEEMod Input Matrix Table 17

Area Coating - Refer to CalEEMod Input Matrix Table 19

Energy Use - Refer to CalEEMod Input Matrix Table 21

Construction Off-road Equipment Mitigation - Rule 55

Area Mitigation - Refer to CalEEMod Input Matrix Table 36

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Parking	250.00	0.00
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tblArchitecturalCoating	EF_Parking	250.00	0.00
tblArchitecturalCoating	EF_Parking	250.00	0.00
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tblAreaCoating	Area_EF_Residential_Exterior	250	150
tblAreaCoating	Area_EF_Residential_Interior	250	150
tblConstDustMitigation	WaterUnpavedRoadMoistureContent	0	0.5
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	40	15
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	10.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	10.00
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tblConstructionPhase	NumDays	440.00	43.00

tblConstructionPhase	NumDays	440.00	43.00
tblConstructionPhase	NumDays	440.00	42.00
tblConstructionPhase	NumDays	440.00	43.00
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tblConstructionPhase	NumDays	6,200.00	22.00
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tblConstructionPhase	NumDays	240.00	20.00
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tblGrading	AcresOfGrading	267.50	1,550.00
tblGrading	AcresOfGrading	55.00	1,550.00
tblGrading	AcresOfGrading	11.00	0.00
tblGrading	AcresOfGrading	11.50	0.00
tblGrading	AcresOfGrading	10.50	0.00
tblGrading	AcresOfGrading	10.00	0.00
tblGrading	AcresOfGrading	10.50	0.00
tblLandUse	BuildingSpaceSquareFeet	225,000.00	591,125.00
tblLandUse	LandUseSquareFeet	225,000.00	591,125.00
tblLandUse	LotAcreage	40.58	368.00
tblLandUse	Population	358.00	344.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
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2.0 Emissions Summary

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2023	2.4357	1.2529	1.2186	2.3400e-003	1.2176	0.0546	1.2722	0.2393	0.0507	0.2900	0.0000	204.7219	204.7219	0.0601	0.0000	206.2237
2024	2.6003	2.9000	2.7729	5.7300e-003	2.4102	0.1200	2.5301	0.4858	0.1108	0.5965	0.0000	502.9946	502.9946	0.1553	0.0000	506.8760
2025	4.7203	0.9440	1.3037	2.1800e-003	0.1294	0.0385	0.1679	0.0129	0.0362	0.0491	0.0000	190.0397	190.0397	0.0473	0.0000	191.2213
2026	2.3293	0.1622	0.2566	4.0000e-004	0.0291	5.8600e-003	0.0350	2.9100e-003	5.6400e-003	8.5400e-003	0.0000	35.0186	35.0186	7.2200e-003	0.0000	35.1991
Maximum	**4.7203**	**2.9000**	**2.7729**	**5.7300e-003**	**2.4102**	**0.1200**	**2.5301**	**0.4858**	**0.1108**	**0.5965**	**0.0000**	**502.9946**	**502.9946**	**0.1553**	**0.0000**	**506.8760**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2023	2.3522	0.8504	1.4950	2.3400e-003	0.4806	5.1300e-003	0.4858	0.0939	5.1300e-003	0.0990	0.0000	204.7216	204.7216	0.0601	0.0000	206.2234
2024	2.4072	1.9936	3.5541	5.7300e-003	0.9810	0.0106	0.9916	0.1935	0.0106	0.2042	0.0000	502.9941	502.9941	0.1553	0.0000	506.8754
2025	4.6642	0.8946	1.4771	2.1800e-003	0.0555	6.6900e-003	0.0622	5.5400e-003	6.6900e-003	0.0122	0.0000	190.0394	190.0394	0.0473	0.0000	191.2210
2026	2.3200	0.1691	0.2715	4.0000e-004	0.0125	1.5600e-003	0.0140	1.2500e-003	1.5600e-003	2.8000e-003	0.0000	35.0186	35.0186	7.2200e-003	0.0000	35.1991
Maximum	**4.6642**	**1.9936**	**3.5541**	**5.7300e-003**	**0.9810**	**0.0106**	**0.9916**	**0.1935**	**0.0106**	**0.2042**	**0.0000**	**502.9941**	**502.9941**	**0.1553**	**0.0000**	**506.8754**

	ROG	**NOx**	**CO**	**SO2**	**Fugitive PM10**	**Exhaust PM10**	**PM10 Total**	**Fugitive PM2.5**	**Exhaust PM2.5**	**PM2.5 Total**	**Bio- CO2**	**NBio-CO2**	**Total CO2**	**CH4**	**N20**	**CO2e**
Percent Reduction	**2.83**	**25.70**	**-22.44**	**0.00**	**59.60**	**89.03**	**61.21**	**60.29**	**88.18**	**66.29**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	10-1-2023	12-31-2023	1.3140	1.3031
2	1-1-2024	3-31-2024	1.1542	0.6300
3	4-1-2024	6-30-2024	1.1866	0.6889
4	7-1-2024	9-30-2024	0.2888	0.2301
5	10-1-2024	12-31-2024	2.6073	2.5924
6	1-1-2025	3-31-2025	1.4130	1.3670
7	4-1-2025	6-30-2025	1.4916	1.4608
8	7-1-2025	9-30-2025	2.5205	2.5141
9	10-1-2025	12-31-2025	0.3026	0.2775
10	1-1-2026	3-31-2026	2.5000	2.4976
		Highest	2.6073	2.5924

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	10.7346	0.1639	10.6089	0.0176		1.3626	1.3626		1.3626	1.3626	129.1197	55.6670	184.7867	0.1206	0.0102	190.8285
Energy	0.0192	0.1641	0.0698	1.0500e-003		0.0133	0.0133		0.0133	0.0133	0.0000	400.0637	400.0637	0.0179	6.4300e-003	402.4276
Mobile	0.2471	1.0460	2.9741	0.0119	1.2701	8.4700e-003	1.2785	0.3400	7.8700e-003	0.3479	0.0000	1,100.5417	1,100.5417	0.0533	0.0000	1,101.8753
Waste						0.0000	0.0000		0.0000	0.0000	28.6299	0.0000	28.6299	1.6920	0.0000	70.9292
Water						0.0000	0.0000		0.0000	0.0000	2.5838	31.6241	34.2079	0.2675	6.7100e-003	42.8957
Total	**11.0009**	**1.3739**	**13.6529**	**0.0305**	**1.2701**	**1.3844**	**2.6544**	**0.3400**	**1.3838**	**1.7237**	**160.3334**	**1,587.8965**	**1,748.2299**	**2.1514**	**0.0233**	**1,808.9562**

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	10.7346	0.1639	10.6089	0.0176		1.3626	1.3626		1.3626	1.3626	129.1197	55.6670	184.7867	0.1206	0.0102	190.8285
Energy	0.0192	0.1641	0.0698	1.0500e-003		0.0133	0.0133		0.0133	0.0133	0.0000	400.0637	400.0637	0.0179	6.4300e-003	402.4276
Mobile	0.2471	1.0460	2.9741	0.0119	1.2701	8.4700e-003	1.2785	0.3400	7.8700e-003	0.3479	0.0000	1,100.5417	1,100.5417	0.0533	0.0000	1,101.8753
Waste						0.0000	0.0000		0.0000	0.0000	7.1575	0.0000	7.1575	0.4230	0.0000	17.7323
Water						0.0000	0.0000		0.0000	0.0000	2.5838	31.6241	34.2079	0.2675	6.7100e-003	42.8957
Total	**11.0009**	**1.3739**	**13.6529**	**0.0305**	**1.2701**	**1.3844**	**2.6544**	**0.3400**	**1.3838**	**1.7237**	**138.8610**	**1,587.8965**	**1,726.7575**	**0.8824**	**0.0233**	**1,755.7593**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**13.39**	**0.00**	**1.23**	**58.99**	**0.00**	**2.94**

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation -1	Site Preparation	4/1/2023	4/30/2023	5	20	
2	Utilities -1	Site Preparation	5/1/2023	6/30/2023	5	45	
3	Grading -1	Grading	5/1/2023	5/30/2023	5	22	
4	P1 Paving	Paving	6/1/2023	6/30/2023	5	22	
5	P1 Site Preparation (mo. 1)	Site Preparation	7/1/2023	7/31/2023	5	21	
6	P1 Building Construction 1 (mo. 2-4)	Building Construction	8/1/2023	10/31/2023	5	66	
7	P1 Architectural Coating	Architectural Coating	9/1/2023	10/31/2023	5	43	
8	P1 Building Construction 2 (mo. 5)	Building Construction	11/1/2023	11/30/2023	5	22	
9	Site Preparation -2	Site Preparation	1/1/2024	1/31/2024	5	23	
10	Grading -2	Grading	2/1/2024	6/30/2024	5	107	
11	Utilities -2	Site Preparation	5/1/2024	9/30/2024	5	109	
12	P2 Paving	Paving	7/1/2024	7/31/2024	5	23	
13	P2 Site Preparation (mo. 1)	Site Preparation	8/1/2024	8/31/2024	5	22	
14	P2 Building Construction 1 (mo. 2-4)	Building Construction	9/1/2024	11/30/2024	5	65	
15	P2 Architectural Coating	Architectural Coating	10/1/2024	11/30/2024	5	44	
16	P2 Building Construction 2 (mo. 5)	Building Construction	12/1/2024	12/31/2024	5	22	
17	P3 Paving	Paving	12/1/2024	12/31/2024	5	22	
18	P3 Site Preparation (mo. 1)	Site Preparation	1/1/2025	1/31/2025	5	23	
19	P3 Building Construction 1 (mo. 2-4)	Building Construction	2/1/2025	4/30/2025	5	63	
20	P3 Architectural Coating	Architectural Coating	3/1/2025	4/30/2025	5	43	
21	P3 Building Construction 2 (mo. 5)	Building Construction	5/1/2025	5/31/2025	5	22	
22	P4 Paving	Paving	5/1/2025	5/31/2025	5	22	
23	P4 Site Preparation (mo. 1)	Site Preparation	6/1/2025	6/30/2025	5	21	
24	P4 Building Construction 1 (mo. 2-4)	Building Construction	7/1/2025	9/30/2025	5	66	
25	P4 Architectural Coating	Architectural Coating	8/1/2025	9/30/2025	5	43	

26	P4 Building Construction 2 (mo. 5)	Building Construction	10/1/2025	10/31/2025	5	23	
27	P5 Paving	Paving	10/1/2025	10/31/2025	5	23	
28	P5 Site Preparation (mo. 1)	Site Preparation	11/1/2025	11/30/2025	5	20	
29	P5 Building Construction 1 (mo. 2-4)	Building Construction	12/1/2025	2/28/2026	5	65	
30	P5 Architectural Coating	Architectural Coating	1/1/2026	2/28/2026	5	42	
31	P5 Building Construction 2 (mo. 5)	Building Construction	3/1/2026	3/31/2026	5	22	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

Residential Indoor: 1,197,028; Residential Outdoor: 399,009; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation -1	Other Construction Equipment	1	8.00	172	0.42
Site Preparation -1	Rubber Tired Dozers	3	8.00	247	0.40
Site Preparation -1	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Utilities -1	Excavators	1	8.00	158	0.38
Utilities -1	Rubber Tired Dozers	0	8.00	247	0.40
Utilities -1	Rubber Tired Loaders	1	8.00	203	0.36
Utilities -1	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Grading -1	Excavators	2	8.00	158	0.38
Grading -1	Graders	1	8.00	187	0.41
Grading -1	Rubber Tired Dozers	1	8.00	247	0.40
Grading -1	Scrapers	2	8.00	367	0.48
Grading -1	Tractors/Loaders/Backhoes	2	8.00	97	0.37
P1 Paving	Pavers	2	8.00	130	0.42
P1 Paving	Paving Equipment	2	8.00	132	0.36
P1 Paving	Rollers	2	8.00	80	0.38
P1 Site Preparation (mo. 1)	Cement and Mortar Mixers	1	8.00	9	0.56
P1 Site Preparation (mo. 1)	Graders	1	8.00	187	0.41
P1 Site Preparation (mo. 1)	Pumps	1	8.00	84	0.74
P1 Site Preparation (mo. 1)	Rubber Tired Dozers	0	8.00	247	0.40
P1 Site Preparation (mo. 1)	Skid Steer Loaders	1	8.00	65	0.37
P1 Site Preparation (mo. 1)	Tractors/Loaders/Backhoes	0	8.00	97	0.37
P1 Site Preparation (mo. 1)	Trenchers	1	8.00	78	0.50
P1 Building Construction 1 (mo. 2-4)	Cranes	0	0.00	231	0.29
P1 Building Construction 1 (mo. 2-4)	Forklifts	0	0.00	89	0.20
P1 Building Construction 1 (mo. 2-4)	Generator Sets	0	0.00	84	0.74
P1 Building Construction 1 (mo. 2-4)	Rough Terrain Forklifts	1	8.00	100	0.40
P1 Building Construction 1 (mo. 2-4)	Tractors/Loaders/Backhoes	1	8.00	97	0.37

P1 Building Construction 1 (mo. 2-4)	Welders	0	0.00	46	0.45
P1 Architectural Coating	Air Compressors	2	8.00	78	0.48
P1 Building Construction 2 (mo. 5)	Cement and Mortar Mixers	1	8.00	9	0.56
P1 Building Construction 2 (mo. 5)	Cranes	0	0.00	231	0.29
P1 Building Construction 2 (mo. 5)	Forklifts	0	0.00	89	0.20
P1 Building Construction 2 (mo. 5)	Generator Sets	0	0.00	84	0.74
P1 Building Construction 2 (mo. 5)	Rough Terrain Forklifts	1	8.00	100	0.40
P1 Building Construction 2 (mo. 5)	Skid Steer Loaders	2	8.00	65	0.37
P1 Building Construction 2 (mo. 5)	Tractors/Loaders/Backhoes	0	0.00	97	0.37
P1 Building Construction 2 (mo. 5)	Welders	0	0.00	46	0.45
Site Preparation -2	Other Construction Equipment	1	8.00	172	0.42
Site Preparation -2	Rubber Tired Dozers	3	8.00	247	0.40
Site Preparation -2	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading -2	Excavators	2	8.00	158	0.38
Grading -2	Graders	1	8.00	187	0.41
Grading -2	Rubber Tired Dozers	1	8.00	247	0.40
Grading -2	Scrapers	2	8.00	367	0.48
Grading -2	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Utilities -2	Excavators	1	8.00	158	0.38
Utilities -2	Rubber Tired Dozers	0	0.00	247	0.40
Utilities -2	Rubber Tired Loaders	1	8.00	203	0.36
Utilities -2	Tractors/Loaders/Backhoes	0	0.00	97	0.37
P2 Paving	Pavers	2	8.00	130	0.42
P2 Paving	Paving Equipment	2	8.00	132	0.36
P2 Paving	Rollers	2	8.00	80	0.38
P2 Site Preparation (mo. 1)	Cement and Mortar Mixers	1	8.00	9	0.56
P2 Site Preparation (mo. 1)	Graders	1	8.00	187	0.41
P2 Site Preparation (mo. 1)	Pumps	1	8.00	84	0.74
P2 Site Preparation (mo. 1)	Rubber Tired Dozers	0	0.00	247	0.40

P2 Site Preparation (mo. 1)	Skid Steer Loaders	1	8.00	65	0.37
P2 Site Preparation (mo. 1)	Tractors/Loaders/Backhoes	0	0.00	97	0.37
P2 Site Preparation (mo. 1)	Trenchers	1	8.00	78	0.50
P2 Building Construction 1 (mo. 2-4)	Cranes	0	0.00	231	0.29
P2 Building Construction 1 (mo. 2-4)	Forklifts	0	0.00	89	0.20
P2 Building Construction 1 (mo. 2-4)	Generator Sets	0	0.00	84	0.74
P2 Building Construction 1 (mo. 2-4)	Rough Terrain Forklifts	1	8.00	100	0.40
P2 Building Construction 1 (mo. 2-4)	Tractors/Loaders/Backhoes	1	8.00	97	0.37
P2 Building Construction 1 (mo. 2-4)	Welders	0	0.00	46	0.45
P2 Architectural Coating	Air Compressors	2	8.00	78	0.48
P2 Building Construction 2 (mo. 5)	Cement and Mortar Mixers	1	8.00	9	0.56
P2 Building Construction 2 (mo. 5)	Cranes	0	0.00	231	0.29
P2 Building Construction 2 (mo. 5)	Forklifts	0	0.00	89	0.20
P2 Building Construction 2 (mo. 5)	Generator Sets	0	0.00	84	0.74
P2 Building Construction 2 (mo. 5)	Rough Terrain Forklifts	1	8.00	100	0.40
P2 Building Construction 2 (mo. 5)	Skid Steer Loaders	2	8.00	65	0.37
P2 Building Construction 2 (mo. 5)	Tractors/Loaders/Backhoes	0	0.00	97	0.37
P2 Building Construction 2 (mo. 5)	Welders	0	0.00	46	0.45
P3 Paving	Pavers	2	8.00	130	0.42
P3 Paving	Paving Equipment	2	8.00	132	0.36
P3 Paving	Rollers	2	8.00	80	0.38
P3 Site Preparation (mo. 1)	Cement and Mortar Mixers	1	8.00	9	0.56
P3 Site Preparation (mo. 1)	Graders	1	8.00	187	0.41
P3 Site Preparation (mo. 1)	Pumps	1	8.00	84	0.74
P3 Site Preparation (mo. 1)	Rubber Tired Dozers	0	0.00	247	0.40
P3 Site Preparation (mo. 1)	Skid Steer Loaders	1	8.00	65	0.37
P3 Site Preparation (mo. 1)	Tractors/Loaders/Backhoes	0	0.00	97	0.37
P3 Site Preparation (mo. 1)	Trenchers	1	8.00	78	0.50
P3 Building Construction 1 (mo. 2-4)	Cranes	0	0.00	231	0.29

P3 Building Construction 1 (mo. 2-4)	Forklifts	0	0.00	89	0.20
P3 Building Construction 1 (mo. 2-4)	Generator Sets	0	0.00	84	0.74
P3 Building Construction 1 (mo. 2-4)	Rough Terrain Forklifts	1	8.00	100	0.40
P3 Building Construction 1 (mo. 2-4)	Tractors/Loaders/Backhoes	1	7.00	97	0.37
P3 Building Construction 1 (mo. 2-4)	Welders	0	0.00	46	0.45
P3 Architectural Coating	Air Compressors	2	8.00	78	0.48
P3 Building Construction 2 (mo. 5)	Cement and Mortar Mixers	1	8.00	9	0.56
P3 Building Construction 2 (mo. 5)	Cranes	0	0.00	231	0.29
P3 Building Construction 2 (mo. 5)	Forklifts	0	0.00	89	0.20
P3 Building Construction 2 (mo. 5)	Generator Sets	0	0.00	84	0.74
P3 Building Construction 2 (mo. 5)	Rough Terrain Forklifts	1	8.00	100	0.40
P3 Building Construction 2 (mo. 5)	Skid Steer Loaders	2	8.00	65	0.37
P3 Building Construction 2 (mo. 5)	Tractors/Loaders/Backhoes	0	0.00	97	0.37
P3 Building Construction 2 (mo. 5)	Welders	0	0.00	46	0.45
P4 Paving	Pavers	2	8.00	130	0.42
P4 Paving	Paving Equipment	2	8.00	132	0.36
P4 Paving	Rollers	2	8.00	80	0.38
P4 Site Preparation (mo. 1)	Cement and Mortar Mixers	1	8.00	9	0.56
P4 Site Preparation (mo. 1)	Graders	1	8.00	187	0.41
P4 Site Preparation (mo. 1)	Pumps	1	8.00	84	0.74
P4 Site Preparation (mo. 1)	Rubber Tired Dozers	0	0.00	247	0.40
P4 Site Preparation (mo. 1)	Skid Steer Loaders	1	8.00	65	0.37
P4 Site Preparation (mo. 1)	Tractors/Loaders/Backhoes	0	0.00	97	0.37
P4 Site Preparation (mo. 1)	Trenchers	1	8.00	78	0.50
P4 Building Construction 1 (mo. 2-4)	Cranes	0	0.00	231	0.29
P4 Building Construction 1 (mo. 2-4)	Forklifts	0	0.00	89	0.20
P4 Building Construction 1 (mo. 2-4)	Generator Sets	0	0.00	84	0.74
P4 Building Construction 1 (mo. 2-4)	Rough Terrain Forklifts	1	8.00	100	0.40
P4 Building Construction 1 (mo. 2-4)	Tractors/Loaders/Backhoes	1	8.00	97	0.37

P4 Building Construction 1 (mo. 2-4)	Welders	0	0.00	46	0.45
P4 Architectural Coating	Air Compressors	2	8.00	78	0.48
P4 Building Construction 2 (mo. 5)	Cement and Mortar Mixers	1	8.00	9	0.56
P4 Building Construction 2 (mo. 5)	Cranes	0	0.00	231	0.29
P4 Building Construction 2 (mo. 5)	Forklifts	0	0.00	89	0.20
P4 Building Construction 2 (mo. 5)	Generator Sets	0	0.00	84	0.74
P4 Building Construction 2 (mo. 5)	Rough Terrain Forklifts	1	8.00	100	0.40
P4 Building Construction 2 (mo. 5)	Skid Steer Loaders	2	8.00	65	0.37
P4 Building Construction 2 (mo. 5)	Tractors/Loaders/Backhoes	0	0.00	97	0.37
P4 Building Construction 2 (mo. 5)	Welders	0	0.00	46	0.45
P5 Paving	Pavers	2	8.00	130	0.42
P5 Paving	Paving Equipment	2	8.00	132	0.36
P5 Paving	Rollers	2	8.00	80	0.38
P5 Site Preparation (mo. 1)	Cement and Mortar Mixers	1	8.00	9	0.56
P5 Site Preparation (mo. 1)	Graders	1	8.00	187	0.41
P5 Site Preparation (mo. 1)	Pumps	1	8.00	84	0.74
P5 Site Preparation (mo. 1)	Rubber Tired Dozers	0	0.00	247	0.40
P5 Site Preparation (mo. 1)	Skid Steer Loaders	1	8.00	65	0.37
P5 Site Preparation (mo. 1)	Tractors/Loaders/Backhoes	0	0.00	97	0.37
P5 Site Preparation (mo. 1)	Trenchers	1	8.00	78	0.50
P5 Building Construction 1 (mo. 2-4)	Cranes	0	0.00	231	0.29
P5 Building Construction 1 (mo. 2-4)	Forklifts	0	0.00	89	0.20
P5 Building Construction 1 (mo. 2-4)	Generator Sets	0	0.00	84	0.74
P5 Building Construction 1 (mo. 2-4)	Rough Terrain Forklifts	1	8.00	100	0.40
P5 Building Construction 1 (mo. 2-4)	Tractors/Loaders/Backhoes	1	8.00	97	0.37
P5 Building Construction 1 (mo. 2-4)	Welders	0	0.00	46	0.45
P5 Architectural Coating	Air Compressors	2	8.00	78	0.48
P5 Building Construction 2 (mo. 5)	Cement and Mortar Mixers	1	8.00	9	0.56
P5 Building Construction 2 (mo. 5)	Cranes	0	0.00	231	0.29

P5 Building Construction 2 (mo. 5)	Forklifts	0	0.00	89	0.20
P5 Building Construction 2 (mo. 5)	Generator Sets	0	0.00	84	0.74
P5 Building Construction 2 (mo. 5)	Rough Terrain Forklifts	1	8.00	100	0.40
P5 Building Construction 2 (mo. 5)	Skid Steer Loaders	2	8.00	65	0.37
P5 Building Construction 2 (mo. 5)	Tractors/Loaders/Backhoes	0	0.00	97	0.37
P5 Building Construction 2 (mo. 5)	Welders	0	0.00	46	0.45

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Site Preparation -1	8	0.00	4.00	0.00	10.80	0.15	20.00	LD_Mix	HDT_Mix	HHDT
Utilities -1	2	0.00	4.00	0.00	10.80	0.15	20.00	LD_Mix	HDT_Mix	HHDT
Grading -1	8	0.00	4.00	232.00	10.80	0.15	0.50	LD_Mix	HDT_Mix	MHDT
P1 Paving	6	0.00	4.00	0.00	10.80	0.15	20.00	LD_Mix	HDT_Mix	HHDT
P1 Site Preparation (mo. 1)	5	0.00	2.00	0.00	10.80	0.15	20.00	LD_Mix	HDT_Mix	HHDT
P1 Building Construction 1 (mo. 2-	2	0.00	2.00	0.00	10.80	0.15	20.00	LD_Mix	HDT_Mix	HHDT
P1 Architectural Coating	2	0.00	2.00	0.00	10.80	0.15	20.00	LD_Mix	HDT_Mix	HHDT
P1 Building Construction 2 (mo. 5)	4	0.00	2.00	0.00	10.80	0.15	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation -2	8	0.00	4.00	0.00	10.80	0.15	20.00	LD_Mix	HDT_Mix	HHDT
Grading -2	8	0.00	4.00	2,731.00	10.80	0.15	0.50	LD_Mix	HDT_Mix	MHDT
Utilities -2	2	0.00	4.00	0.00	10.80	0.15	20.00	LD_Mix	HDT_Mix	HHDT
P2 Paving	6	0.00	4.00	0.00	10.80	0.15	20.00	LD_Mix	HDT_Mix	HHDT
P2 Site Preparation (mo. 1)	5	0.00	2.00	0.00	10.80	0.15	20.00	LD_Mix	HDT_Mix	HHDT
P2 Building Construction 1 (mo. 2-	2	0.00	2.00	0.00	10.80	0.15	20.00	LD_Mix	HDT_Mix	HHDT
P2 Architectural Coating	2	0.00	4.00	0.00	10.80	0.15	20.00	LD_Mix	HDT_Mix	HHDT
P2 Building Construction 2 (mo. 5)	4	0.00	2.00	0.00	10.80	0.15	20.00	LD_Mix	HDT_Mix	HHDT
P3 Paving	6	0.00	10.00	0.00	10.80	0.15	20.00	LD_Mix	HDT_Mix	HHDT
P3 Site Preparation (mo. 1)	5	0.00	2.00	0.00	10.80	0.15	20.00	LD_Mix	HDT_Mix	HHDT
P3 Building Construction 1 (mo. 2-	2	0.00	2.00	0.00	10.80	0.15	20.00	LD_Mix	HDT_Mix	HHDT
P3 Architectural Coating	2	0.00	4.00	0.00	10.80	0.15	20.00	LD_Mix	HDT_Mix	HHDT
P3 Building Construction 2 (mo. 5)	4	0.00	2.00	0.00	10.80	0.15	20.00	LD_Mix	HDT_Mix	HHDT
P4 Paving	6	0.00	10.00	0.00	10.80	0.15	20.00	LD_Mix	HDT_Mix	HHDT
P4 Site Preparation (mo. 1)	5	0.00	2.00	0.00	10.80	0.15	20.00	LD_Mix	HDT_Mix	HHDT
P4 Building Construction 1 (mo. 2-	2	0.00	2.00	0.00	10.80	0.15	20.00	LD_Mix	HDT_Mix	HHDT
P4 Architectural Coating	2	0.00	4.00	0.00	10.80	0.15	20.00	LD_Mix	HDT_Mix	HHDT
P4 Building Construction 2 (mo. 5)	4	0.00	2.00	0.00	10.80	0.15	20.00	LD_Mix	HDT_Mix	HHDT

P5 Paving	6	0.00	10.00	0.00	10.80	0.15	20.00	LD_Mix	HDT_Mix	HHDT
P5 Site Preparation (mo. 1)	5	0.00	2.00	0.00	10.80	0.15	20.00	LD_Mix	HDT_Mix	HHDT
P5 Building Construction 1 (mo. 2-	2	0.00	2.00	0.00	10.80	0.15	20.00	LD_Mix	HDT_Mix	HHDT
P5 Architectural Coating	2	0.00	4.00	0.00	10.80	0.15	20.00	LD_Mix	HDT_Mix	HHDT
P5 Building Construction 2 (mo. 5)	4	0.00	2.00	0.00	10.80	0.15	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Use Soil Stabilizer

Water Exposed Area

Water Unpaved Roads

Reduce Vehicle Speed on Unpaved Roads

Clean Paved Roads

3.2 Site Preparation -1 - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.1807	0.0000	0.1807	0.0993	0.0000	0.0993	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0301	0.3096	0.2225	4.4000e-004		0.0145	0.0145		0.0133	0.0133	0.0000	38.8780	38.8780	0.0126	0.0000	39.1924
Total	**0.0301**	**0.3096**	**0.2225**	**4.4000e-004**	**0.1807**	**0.0145**	**0.1951**	**0.0993**	**0.0133**	**0.1126**	**0.0000**	**38.8780**	**38.8780**	**0.0126**	**0.0000**	**39.1924**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	4.0000e-005	2.0700e-003	4.9000e-004	0.0000	7.8700e-003	0.0000	7.8700e-003	7.9000e-004	0.0000	7.9000e-004	0.0000	0.2164	0.2164	3.0000e-005	0.0000	0.2171
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**4.0000e-005**	**2.0700e-003**	**4.9000e-004**	**0.0000**	**7.8700e-003**	**0.0000**	**7.8700e-003**	**7.9000e-004**	**0.0000**	**7.9000e-004**	**0.0000**	**0.2164**	**0.2164**	**3.0000e-005**	**0.0000**	**0.2171**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0705	0.0000	0.0705	0.0387	0.0000	0.0387	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	7.7300e-003	0.1490	0.2767	4.4000e-004		7.2000e-004	7.2000e-004		7.2000e-004	7.2000e-004	0.0000	38.8780	38.8780	0.0126	0.0000	39.1923
Total	**7.7300e-003**	**0.1490**	**0.2767**	**4.4000e-004**	**0.0705**	**7.2000e-004**	**0.0712**	**0.0387**	**7.2000e-004**	**0.0395**	**0.0000**	**38.8780**	**38.8780**	**0.0126**	**0.0000**	**39.1923**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	4.0000e-005	2.0700e-003	4.9000e-004	0.0000	3.3700e-003	0.0000	3.3700e-003	3.4000e-004	0.0000	3.4000e-004	0.0000	0.2164	0.2164	3.0000e-005	0.0000	0.2171
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**4.0000e-005**	**2.0700e-003**	**4.9000e-004**	**0.0000**	**3.3700e-003**	**0.0000**	**3.3700e-003**	**3.4000e-004**	**0.0000**	**3.4000e-004**	**0.0000**	**0.2164**	**0.2164**	**3.0000e-005**	**0.0000**	**0.2171**

3.3 Utilities -1 - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0103	0.0946	0.1073	2.6000e-004		3.7100e-003	3.7100e-003		3.4100e-003	3.4100e-003	0.0000	22.5685	22.5685	7.3000e-003	0.0000	22.7510
Total	**0.0103**	**0.0946**	**0.1073**	**2.6000e-004**	**0.0000**	**3.7100e-003**	**3.7100e-003**	**0.0000**	**3.4100e-003**	**3.4100e-003**	**0.0000**	**22.5685**	**22.5685**	**7.3000e-003**	**0.0000**	**22.7510**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	9.0000e-005	4.6500e-003	1.1000e-003	0.0000	0.0177	0.0000	0.0177	1.7700e-003	0.0000	1.7700e-003	0.0000	0.4868	0.4868	7.0000e-005	0.0000	0.4886
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**9.0000e-005**	**4.6500e-003**	**1.1000e-003**	**0.0000**	**0.0177**	**0.0000**	**0.0177**	**1.7700e-003**	**0.0000**	**1.7700e-003**	**0.0000**	**0.4868**	**0.4868**	**7.0000e-005**	**0.0000**	**0.4886**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	3.7500e-003	0.0886	0.1636	2.6000e-004		4.2000e-004	4.2000e-004		4.2000e-004	4.2000e-004	0.0000	22.5685	22.5685	7.3000e-003	0.0000	22.7509
Total	**3.7500e-003**	**0.0886**	**0.1636**	**2.6000e-004**	**0.0000**	**4.2000e-004**	**4.2000e-004**	**0.0000**	**4.2000e-004**	**4.2000e-004**	**0.0000**	**22.5685**	**22.5685**	**7.3000e-003**	**0.0000**	**22.7509**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	9.0000e-005	4.6500e-003	1.1000e-003	0.0000	7.5900e-003	0.0000	7.5900e-003	7.6000e-004	0.0000	7.6000e-004	0.0000	0.4868	0.4868	7.0000e-005	0.0000	0.4886
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**9.0000e-005**	**4.6500e-003**	**1.1000e-003**	**0.0000**	**7.5900e-003**	**0.0000**	**7.5900e-003**	**7.6000e-004**	**0.0000**	**7.6000e-004**	**0.0000**	**0.4868**	**0.4868**	**7.0000e-005**	**0.0000**	**0.4886**

3.4 Grading -1 - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.8881	0.0000	0.8881	0.1252	0.0000	0.1252	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0365	0.3797	0.3086	6.8000e-004		0.0157	0.0157		0.0144	0.0144	0.0000	59.9887	59.9887	0.0194	0.0000	60.4738
Total	**0.0365**	**0.3797**	**0.3086**	**6.8000e-004**	**0.8881**	**0.0157**	**0.9038**	**0.1252**	**0.0144**	**0.1396**	**0.0000**	**59.9887**	**59.9887**	**0.0194**	**0.0000**	**60.4738**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	1.1000e-004	3.1100e-003	1.5000e-003	0.0000	0.0760	0.0000	0.0760	7.5900e-003	0.0000	7.5900e-003	0.0000	0.2124	0.2124	2.0000e-005	0.0000	0.2128
Vendor	5.0000e-005	2.2700e-003	5.4000e-004	0.0000	8.6500e-003	0.0000	8.6500e-003	8.6000e-004	0.0000	8.6000e-004	0.0000	0.2380	0.2380	3.0000e-005	0.0000	0.2389
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**1.6000e-004**	**5.3800e-003**	**2.0400e-003**	**0.0000**	**0.0847**	**0.0000**	**0.0847**	**8.4500e-003**	**0.0000**	**8.4500e-003**	**0.0000**	**0.4504**	**0.4504**	**5.0000e-005**	**0.0000**	**0.4517**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.3464	0.0000	0.3464	0.0488	0.0000	0.0488	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0111	0.2120	0.4040	6.8000e-004		1.1200e-003	1.1200e-003		1.1200e-003	1.1200e-003	0.0000	59.9887	59.9887	0.0194	0.0000	60.4737
Total	**0.0111**	**0.2120**	**0.4040**	**6.8000e-004**	**0.3464**	**1.1200e-003**	**0.3475**	**0.0488**	**1.1200e-003**	**0.0499**	**0.0000**	**59.9887**	**59.9887**	**0.0194**	**0.0000**	**60.4737**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	1.1000e-004	3.1100e-003	1.5000e-003	0.0000	0.0326	0.0000	0.0326	3.2600e-003	0.0000	3.2600e-003	0.0000	0.2124	0.2124	2.0000e-005	0.0000	0.2128
Vendor	5.0000e-005	2.2700e-003	5.4000e-004	0.0000	3.7100e-003	0.0000	3.7100e-003	3.7000e-004	0.0000	3.7000e-004	0.0000	0.2380	0.2380	3.0000e-005	0.0000	0.2389
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**1.6000e-004**	**5.3800e-003**	**2.0400e-003**	**0.0000**	**0.0363**	**0.0000**	**0.0363**	**3.6300e-003**	**0.0000**	**3.6300e-003**	**0.0000**	**0.4504**	**0.4504**	**5.0000e-005**	**0.0000**	**0.4517**

3.5 P1 Paving - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0114	0.1121	0.1604	2.5000e-004		5.6100e-003	5.6100e-003		5.1600e-003	5.1600e-003	0.0000	22.0296	22.0296	7.1200e-003	0.0000	22.2077
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0114**	**0.1121**	**0.1604**	**2.5000e-004**		**5.6100e-003**	**5.6100e-003**		**5.1600e-003**	**5.1600e-003**	**0.0000**	**22.0296**	**22.0296**	**7.1200e-003**	**0.0000**	**22.2077**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	5.0000e-005	2.2700e-003	5.4000e-004	0.0000	8.6500e-003	0.0000	8.6500e-003	8.6000e-004	0.0000	8.6000e-004	0.0000	0.2380	0.2380	3.0000e-005	0.0000	0.2389
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**5.0000e-005**	**2.2700e-003**	**5.4000e-004**	**0.0000**	**8.6500e-003**	**0.0000**	**8.6500e-003**	**8.6000e-004**	**0.0000**	**8.6000e-004**	**0.0000**	**0.2380**	**0.2380**	**3.0000e-005**	**0.0000**	**0.2389**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	3.6700e-003	0.1104	0.1903	2.5000e-004		4.1000e-004	4.1000e-004		4.1000e-004	4.1000e-004	0.0000	22.0295	22.0295	7.1200e-003	0.0000	22.2077
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**3.6700e-003**	**0.1104**	**0.1903**	**2.5000e-004**		**4.1000e-004**	**4.1000e-004**		**4.1000e-004**	**4.1000e-004**	**0.0000**	**22.0295**	**22.0295**	**7.1200e-003**	**0.0000**	**22.2077**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	5.0000e-005	2.2700e-003	5.4000e-004	0.0000	3.7100e-003	0.0000	3.7100e-003	3.7000e-004	0.0000	3.7000e-004	0.0000	0.2380	0.2380	3.0000e-005	0.0000	0.2389
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**5.0000e-005**	**2.2700e-003**	**5.4000e-004**	**0.0000**	**3.7100e-003**	**0.0000**	**3.7100e-003**	**3.7000e-004**	**0.0000**	**3.7000e-004**	**0.0000**	**0.2380**	**0.2380**	**3.0000e-005**	**0.0000**	**0.2389**

3.6 P1 Site Preparation (mo. 1) - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0124	0.1247	0.1019	2.0000e-004		5.8100e-003	5.8100e-003		5.4700e-003	5.4700e-003	0.0000	17.5467	17.5467	3.9200e-003	0.0000	17.6448
Total	**0.0124**	**0.1247**	**0.1019**	**2.0000e-004**	**0.0000**	**5.8100e-003**	**5.8100e-003**	**0.0000**	**5.4700e-003**	**5.4700e-003**	**0.0000**	**17.5467**	**17.5467**	**3.9200e-003**	**0.0000**	**17.6448**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.0000e-005	1.0800e-003	2.6000e-004	0.0000	4.1300e-003	0.0000	4.1300e-003	4.1000e-004	0.0000	4.1000e-004	0.0000	0.1136	0.1136	2.0000e-005	0.0000	0.1140
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**2.0000e-005**	**1.0800e-003**	**2.6000e-004**	**0.0000**	**4.1300e-003**	**0.0000**	**4.1300e-003**	**4.1000e-004**	**0.0000**	**4.1000e-004**	**0.0000**	**0.1136**	**0.1136**	**2.0000e-005**	**0.0000**	**0.1140**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	3.7300e-003	0.0706	0.1227	2.0000e-004		7.6000e-004	7.6000e-004		7.6000e-004	7.6000e-004	0.0000	17.5467	17.5467	3.9200e-003	0.0000	17.6448
Total	**3.7300e-003**	**0.0706**	**0.1227**	**2.0000e-004**	**0.0000**	**7.6000e-004**	**7.6000e-004**	**0.0000**	**7.6000e-004**	**7.6000e-004**	**0.0000**	**17.5467**	**17.5467**	**3.9200e-003**	**0.0000**	**17.6448**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.0000e-005	1.0800e-003	2.6000e-004	0.0000	1.7700e-003	0.0000	1.7700e-003	1.8000e-004	0.0000	1.8000e-004	0.0000	0.1136	0.1136	2.0000e-005	0.0000	0.1140
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**2.0000e-005**	**1.0800e-003**	**2.6000e-004**	**0.0000**	**1.7700e-003**	**0.0000**	**1.7700e-003**	**1.8000e-004**	**0.0000**	**1.8000e-004**	**0.0000**	**0.1136**	**0.1136**	**2.0000e-005**	**0.0000**	**0.1140**

3.7 P1 Building Construction 1 (mo. 2-4) - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	8.4900e-003	0.0969	0.1491	2.2000e-004		3.9900e-003	3.9900e-003		3.6700e-003	3.6700e-003	0.0000	19.0214	19.0214	6.1500e-003	0.0000	19.1752
Total	**8.4900e-003**	**0.0969**	**0.1491**	**2.2000e-004**		**3.9900e-003**	**3.9900e-003**		**3.6700e-003**	**3.6700e-003**	**0.0000**	**19.0214**	**19.0214**	**6.1500e-003**	**0.0000**	**19.1752**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	7.0000e-005	3.4100e-003	8.1000e-004	0.0000	0.0130	0.0000	0.0130	1.3000e-003	0.0000	1.3000e-003	0.0000	0.3570	0.3570	5.0000e-005	0.0000	0.3583
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**7.0000e-005**	**3.4100e-003**	**8.1000e-004**	**0.0000**	**0.0130**	**0.0000**	**0.0130**	**1.3000e-003**	**0.0000**	**1.3000e-003**	**0.0000**	**0.3570**	**0.3570**	**5.0000e-005**	**0.0000**	**0.3583**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	4.8600e-003	0.0945	0.1634	2.2000e-004		3.5000e-004	3.5000e-004		3.5000e-004	3.5000e-004	0.0000	19.0214	19.0214	6.1500e-003	0.0000	19.1752
Total	**4.8600e-003**	**0.0945**	**0.1634**	**2.2000e-004**		**3.5000e-004**	**3.5000e-004**		**3.5000e-004**	**3.5000e-004**	**0.0000**	**19.0214**	**19.0214**	**6.1500e-003**	**0.0000**	**19.1752**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	7.0000e-005	3.4100e-003	8.1000e-004	0.0000	5.5600e-003	0.0000	5.5700e-003	5.6000e-004	0.0000	5.6000e-004	0.0000	0.3570	0.3570	5.0000e-005	0.0000	0.3583
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**7.0000e-005**	**3.4100e-003**	**8.1000e-004**	**0.0000**	**5.5600e-003**	**0.0000**	**5.5700e-003**	**5.6000e-004**	**0.0000**	**5.6000e-004**	**0.0000**	**0.3570**	**0.3570**	**5.0000e-005**	**0.0000**	**0.3583**

3.8 P1 Architectural Coating - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	2.3118					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0110	0.0747	0.1038	1.7000e-004		4.0600e-003	4.0600e-003		4.0600e-003	4.0600e-003	0.0000	14.6387	14.6387	8.8000e-004	0.0000	14.6606
Total	**2.3228**	**0.0747**	**0.1038**	**1.7000e-004**		**4.0600e-003**	**4.0600e-003**		**4.0600e-003**	**4.0600e-003**	**0.0000**	**14.6387**	**14.6387**	**8.8000e-004**	**0.0000**	**14.6606**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	4.0000e-005	2.2200e-003	5.3000e-004	0.0000	8.4500e-003	0.0000	8.4600e-003	8.4000e-004	0.0000	8.5000e-004	0.0000	0.2326	0.2326	3.0000e-005	0.0000	0.2334
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**4.0000e-005**	**2.2200e-003**	**5.3000e-004**	**0.0000**	**8.4500e-003**	**0.0000**	**8.4600e-003**	**8.4000e-004**	**0.0000**	**8.5000e-004**	**0.0000**	**0.2326**	**0.2326**	**3.0000e-005**	**0.0000**	**0.2334**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	2.3118					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	3.1200e-003	0.0608	0.1051	1.7000e-004		2.3000e-004	2.3000e-004		2.3000e-004	2.3000e-004	0.0000	14.6386	14.6386	8.8000e-004	0.0000	14.6605
Total	**2.3149**	**0.0608**	**0.1051**	**1.7000e-004**		**2.3000e-004**	**2.3000e-004**		**2.3000e-004**	**2.3000e-004**	**0.0000**	**14.6386**	**14.6386**	**8.8000e-004**	**0.0000**	**14.6605**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	4.0000e-005	2.2200e-003	5.3000e-004	0.0000	3.6300e-003	0.0000	3.6300e-003	3.6000e-004	0.0000	3.6000e-004	0.0000	0.2326	0.2326	3.0000e-005	0.0000	0.2334
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**4.0000e-005**	**2.2200e-003**	**5.3000e-004**	**0.0000**	**3.6300e-003**	**0.0000**	**3.6300e-003**	**3.6000e-004**	**0.0000**	**3.6000e-004**	**0.0000**	**0.2326**	**0.2326**	**3.0000e-005**	**0.0000**	**0.2334**

3.9 P1 Building Construction 2 (mo. 5) - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	3.2400e-003	0.0385	0.0590	9.0000e-005		1.3000e-003	1.3000e-003		1.2000e-003	1.2000e-003	0.0000	7.8365	7.8365	2.4200e-003	0.0000	7.8971
Total	**3.2400e-003**	**0.0385**	**0.0590**	**9.0000e-005**		**1.3000e-003**	**1.3000e-003**		**1.2000e-003**	**1.2000e-003**	**0.0000**	**7.8365**	**7.8365**	**2.4200e-003**	**0.0000**	**7.8971**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.0000e-005	1.1400e-003	2.7000e-004	0.0000	4.3300e-003	0.0000	4.3300e-003	4.3000e-004	0.0000	4.3000e-004	0.0000	0.1190	0.1190	2.0000e-005	0.0000	0.1194
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**2.0000e-005**	**1.1400e-003**	**2.7000e-004**	**0.0000**	**4.3300e-003**	**0.0000**	**4.3300e-003**	**4.3000e-004**	**0.0000**	**4.3000e-004**	**0.0000**	**0.1190**	**0.1190**	**2.0000e-005**	**0.0000**	**0.1194**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	1.9700e-003	0.0422	0.0632	9.0000e-005		1.1100e-003	1.1100e-003		1.1100e-003	1.1100e-003	0.0000	7.8365	7.8365	2.4200e-003	0.0000	7.8970
Total	**1.9700e-003**	**0.0422**	**0.0632**	**9.0000e-005**		**1.1100e-003**	**1.1100e-003**		**1.1100e-003**	**1.1100e-003**	**0.0000**	**7.8365**	**7.8365**	**2.4200e-003**	**0.0000**	**7.8970**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.0000e-005	1.1400e-003	2.7000e-004	0.0000	1.8500e-003	0.0000	1.8600e-003	1.9000e-004	0.0000	1.9000e-004	0.0000	0.1190	0.1190	2.0000e-005	0.0000	0.1194
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**2.0000e-005**	**1.1400e-003**	**2.7000e-004**	**0.0000**	**1.8500e-003**	**0.0000**	**1.8600e-003**	**1.9000e-004**	**0.0000**	**1.9000e-004**	**0.0000**	**0.1190**	**0.1190**	**2.0000e-005**	**0.0000**	**0.1194**

3.10 Site Preparation -2 - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.2078	0.0000	0.2078	0.1142	0.0000	0.1142	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0344	0.3495	0.2570	5.1000e-004		0.0160	0.0160		0.0148	0.0148	0.0000	44.7169	44.7169	0.0145	0.0000	45.0784
Total	**0.0344**	**0.3495**	**0.2570**	**5.1000e-004**	**0.2078**	**0.0160**	**0.2238**	**0.1142**	**0.0148**	**0.1290**	**0.0000**	**44.7169**	**44.7169**	**0.0145**	**0.0000**	**45.0784**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	4.0000e-005	2.3500e-003	5.3000e-004	0.0000	9.0400e-003	0.0000	9.0500e-003	9.0000e-004	0.0000	9.0000e-004	0.0000	0.2458	0.2458	3.0000e-005	0.0000	0.2466
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**4.0000e-005**	**2.3500e-003**	**5.3000e-004**	**0.0000**	**9.0400e-003**	**0.0000**	**9.0500e-003**	**9.0000e-004**	**0.0000**	**9.0000e-004**	**0.0000**	**0.2458**	**0.2458**	**3.0000e-005**	**0.0000**	**0.2466**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0810	0.0000	0.0810	0.0445	0.0000	0.0445	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	8.8900e-003	0.1714	0.3183	5.1000e-004		8.3000e-004	8.3000e-004		8.3000e-004	8.3000e-004	0.0000	44.7168	44.7168	0.0145	0.0000	45.0784
Total	**8.8900e-003**	**0.1714**	**0.3183**	**5.1000e-004**	**0.0810**	**8.3000e-004**	**0.0819**	**0.0445**	**8.3000e-004**	**0.0454**	**0.0000**	**44.7168**	**44.7168**	**0.0145**	**0.0000**	**45.0784**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	4.0000e-005	2.3500e-003	5.3000e-004	0.0000	3.8800e-003	0.0000	3.8800e-003	3.9000e-004	0.0000	3.9000e-004	0.0000	0.2458	0.2458	3.0000e-005	0.0000	0.2466
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**4.0000e-005**	**2.3500e-003**	**5.3000e-004**	**0.0000**	**3.8800e-003**	**0.0000**	**3.8800e-003**	**3.9000e-004**	**0.0000**	**3.9000e-004**	**0.0000**	**0.2458**	**0.2458**	**3.0000e-005**	**0.0000**	**0.2466**

3.11 Grading -2 - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					1.1441	0.0000	1.1441	0.2658	0.0000	0.2658	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.1722	1.7322	1.4832	3.3200e-003		0.0714	0.0714		0.0657	0.0657	0.0000	291.6795	291.6795	0.0943	0.0000	294.0378
Total	**0.1722**	**1.7322**	**1.4832**	**3.3200e-003**	**1.1441**	**0.0714**	**1.2155**	**0.2658**	**0.0657**	**0.3316**	**0.0000**	**291.6795**	**291.6795**	**0.0943**	**0.0000**	**294.0378**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	1.1600e-003	0.0367	0.0161	3.0000e-005	0.8949	1.0000e-005	0.8949	0.0894	1.0000e-005	0.0894	0.0000	2.4948	2.4948	1.7000e-004	0.0000	2.4990
Vendor	2.1000e-004	0.0110	2.4700e-003	1.0000e-005	0.0421	0.0000	0.0421	4.2000e-003	0.0000	4.2100e-003	0.0000	1.1433	1.1433	1.6000e-004	0.0000	1.1473
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**1.3700e-003**	**0.0477**	**0.0185**	**4.0000e-005**	**0.9370**	**1.0000e-005**	**0.9370**	**0.0936**	**1.0000e-005**	**0.0936**	**0.0000**	**3.6381**	**3.6381**	**3.3000e-004**	**0.0000**	**3.6463**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.4462	0.0000	0.4462	0.1037	0.0000	0.1037	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0541	1.0310	1.9647	3.3200e-003		5.4300e-003	5.4300e-003		5.4300e-003	5.4300e-003	0.0000	291.6791	291.6791	0.0943	0.0000	294.0375
Total	**0.0541**	**1.0310**	**1.9647**	**3.3200e-003**	**0.4462**	**5.4300e-003**	**0.4516**	**0.1037**	**5.4300e-003**	**0.1091**	**0.0000**	**291.6791**	**291.6791**	**0.0943**	**0.0000**	**294.0375**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	1.1600e-003	0.0367	0.0161	3.0000e-005	0.3837	1.0000e-005	0.3837	0.0383	1.0000e-005	0.0383	0.0000	2.4948	2.4948	1.7000e-004	0.0000	2.4990
Vendor	2.1000e-004	0.0110	2.4700e-003	1.0000e-005	0.0180	0.0000	0.0180	1.8000e-003	0.0000	1.8100e-003	0.0000	1.1433	1.1433	1.6000e-004	0.0000	1.1473
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**1.3700e-003**	**0.0477**	**0.0185**	**4.0000e-005**	**0.4017**	**1.0000e-005**	**0.4017**	**0.0401**	**1.0000e-005**	**0.0401**	**0.0000**	**3.6381**	**3.6381**	**3.3000e-004**	**0.0000**	**3.6463**

3.12 Utilities -2 - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0237	0.2033	0.2595	6.2000e-004		8.0100e-003	8.0100e-003		7.3700e-003	7.3700e-003	0.0000	54.6715	54.6715	0.0177	0.0000	55.1135
Total	**0.0237**	**0.2033**	**0.2595**	**6.2000e-004**	**0.0000**	**8.0100e-003**	**8.0100e-003**	**0.0000**	**7.3700e-003**	**7.3700e-003**	**0.0000**	**54.6715**	**54.6715**	**0.0177**	**0.0000**	**55.1135**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.1000e-004	0.0112	2.5200e-003	1.0000e-005	0.0429	0.0000	0.0429	4.2800e-003	0.0000	4.2800e-003	0.0000	1.1647	1.1647	1.6000e-004	0.0000	1.1687
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**2.1000e-004**	**0.0112**	**2.5200e-003**	**1.0000e-005**	**0.0429**	**0.0000**	**0.0429**	**4.2800e-003**	**0.0000**	**4.2800e-003**	**0.0000**	**1.1647**	**1.1647**	**1.6000e-004**	**0.0000**	**1.1687**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	9.0800e-003	0.2147	0.3962	6.2000e-004		1.0200e-003	1.0200e-003		1.0200e-003	1.0200e-003	0.0000	54.6714	54.6714	0.0177	0.0000	55.1135
Total	**9.0800e-003**	**0.2147**	**0.3962**	**6.2000e-004**	**0.0000**	**1.0200e-003**	**1.0200e-003**	**0.0000**	**1.0200e-003**	**1.0200e-003**	**0.0000**	**54.6714**	**54.6714**	**0.0177**	**0.0000**	**55.1135**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.1000e-004	0.0112	2.5200e-003	1.0000e-005	0.0184	0.0000	0.0184	1.8400e-003	0.0000	1.8400e-003	0.0000	1.1647	1.1647	1.6000e-004	0.0000	1.1687
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**2.1000e-004**	**0.0112**	**2.5200e-003**	**1.0000e-005**	**0.0184**	**0.0000**	**0.0184**	**1.8400e-003**	**0.0000**	**1.8400e-003**	**0.0000**	**1.1647**	**1.1647**	**1.6000e-004**	**0.0000**	**1.1687**

3.13 P2 Paving - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0114	0.1095	0.1682	2.6000e-004		5.3900e-003	5.3900e-003		4.9600e-003	4.9600e-003	0.0000	23.0305	23.0305	7.4500e-003	0.0000	23.2167
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0114**	**0.1095**	**0.1682**	**2.6000e-004**		**5.3900e-003**	**5.3900e-003**		**4.9600e-003**	**4.9600e-003**	**0.0000**	**23.0305**	**23.0305**	**7.4500e-003**	**0.0000**	**23.2167**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	4.0000e-005	2.3500e-003	5.3000e-004	0.0000	9.0400e-003	0.0000	9.0500e-003	9.0000e-004	0.0000	9.0000e-004	0.0000	0.2458	0.2458	3.0000e-005	0.0000	0.2466
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**4.0000e-005**	**2.3500e-003**	**5.3000e-004**	**0.0000**	**9.0400e-003**	**0.0000**	**9.0500e-003**	**9.0000e-004**	**0.0000**	**9.0000e-004**	**0.0000**	**0.2458**	**0.2458**	**3.0000e-005**	**0.0000**	**0.2466**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	3.8400e-003	0.1155	0.1989	2.6000e-004		4.3000e-004	4.3000e-004		4.3000e-004	4.3000e-004	0.0000	23.0305	23.0305	7.4500e-003	0.0000	23.2167
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**3.8400e-003**	**0.1155**	**0.1989**	**2.6000e-004**		**4.3000e-004**	**4.3000e-004**		**4.3000e-004**	**4.3000e-004**	**0.0000**	**23.0305**	**23.0305**	**7.4500e-003**	**0.0000**	**23.2167**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	4.0000e-005	2.3500e-003	5.3000e-004	0.0000	3.8800e-003	0.0000	3.8800e-003	3.9000e-004	0.0000	3.9000e-004	0.0000	0.2458	0.2458	3.0000e-005	0.0000	0.2466
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**4.0000e-005**	**2.3500e-003**	**5.3000e-004**	**0.0000**	**3.8800e-003**	**0.0000**	**3.8800e-003**	**3.9000e-004**	**0.0000**	**3.9000e-004**	**0.0000**	**0.2458**	**0.2458**	**3.0000e-005**	**0.0000**	**0.2466**

3.14 P2 Site Preparation (mo. 1) - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0123	0.1220	0.1063	2.1000e-004		5.6300e-003	5.6300e-003		5.2900e-003	5.2900e-003	0.0000	18.3792	18.3792	4.1000e-003	0.0000	18.4816
Total	**0.0123**	**0.1220**	**0.1063**	**2.1000e-004**	**0.0000**	**5.6300e-003**	**5.6300e-003**	**0.0000**	**5.2900e-003**	**5.2900e-003**	**0.0000**	**18.3792**	**18.3792**	**4.1000e-003**	**0.0000**	**18.4816**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.0000e-005	1.1300e-003	2.5000e-004	0.0000	4.3300e-003	0.0000	4.3300e-003	4.3000e-004	0.0000	4.3000e-004	0.0000	0.1175	0.1175	2.0000e-005	0.0000	0.1179
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**2.0000e-005**	**1.1300e-003**	**2.5000e-004**	**0.0000**	**4.3300e-003**	**0.0000**	**4.3300e-003**	**4.3000e-004**	**0.0000**	**4.3000e-004**	**0.0000**	**0.1175**	**0.1175**	**2.0000e-005**	**0.0000**	**0.1179**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	3.9100e-003	0.0740	0.1286	2.1000e-004		8.0000e-004	8.0000e-004		8.0000e-004	8.0000e-004	0.0000	18.3792	18.3792	4.1000e-003	0.0000	18.4816
Total	**3.9100e-003**	**0.0740**	**0.1286**	**2.1000e-004**	**0.0000**	**8.0000e-004**	**8.0000e-004**	**0.0000**	**8.0000e-004**	**8.0000e-004**	**0.0000**	**18.3792**	**18.3792**	**4.1000e-003**	**0.0000**	**18.4816**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.0000e-005	1.1300e-003	2.5000e-004	0.0000	1.8500e-003	0.0000	1.8600e-003	1.9000e-004	0.0000	1.9000e-004	0.0000	0.1175	0.1175	2.0000e-005	0.0000	0.1179
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**2.0000e-005**	**1.1300e-003**	**2.5000e-004**	**0.0000**	**1.8500e-003**	**0.0000**	**1.8600e-003**	**1.9000e-004**	**0.0000**	**1.9000e-004**	**0.0000**	**0.1175**	**0.1175**	**2.0000e-005**	**0.0000**	**0.1179**

3.15 P2 Building Construction 1 (mo. 2-4) - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	8.0100e-003	0.0910	0.1471	2.1000e-004		3.5000e-003	3.5000e-003		3.2200e-003	3.2200e-003	0.0000	18.7369	18.7369	6.0600e-003	0.0000	18.8884
Total	**8.0100e-003**	**0.0910**	**0.1471**	**2.1000e-004**		**3.5000e-003**	**3.5000e-003**		**3.2200e-003**	**3.2200e-003**	**0.0000**	**18.7369**	**18.7369**	**6.0600e-003**	**0.0000**	**18.8884**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	6.0000e-005	3.3300e-003	7.5000e-004	0.0000	0.0128	0.0000	0.0128	1.2800e-003	0.0000	1.2800e-003	0.0000	0.3473	0.3473	5.0000e-005	0.0000	0.3485
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**6.0000e-005**	**3.3300e-003**	**7.5000e-004**	**0.0000**	**0.0128**	**0.0000**	**0.0128**	**1.2800e-003**	**0.0000**	**1.2800e-003**	**0.0000**	**0.3473**	**0.3473**	**5.0000e-005**	**0.0000**	**0.3485**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	4.7900e-003	0.0931	0.1610	2.1000e-004		3.5000e-004	3.5000e-004		3.5000e-004	3.5000e-004	0.0000	18.7368	18.7368	6.0600e-003	0.0000	18.8883
Total	**4.7900e-003**	**0.0931**	**0.1610**	**2.1000e-004**		**3.5000e-004**	**3.5000e-004**		**3.5000e-004**	**3.5000e-004**	**0.0000**	**18.7368**	**18.7368**	**6.0600e-003**	**0.0000**	**18.8883**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	6.0000e-005	3.3300e-003	7.5000e-004	0.0000	5.4800e-003	0.0000	5.4800e-003	5.5000e-004	0.0000	5.5000e-004	0.0000	0.3473	0.3473	5.0000e-005	0.0000	0.3485
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**6.0000e-005**	**3.3300e-003**	**7.5000e-004**	**0.0000**	**5.4800e-003**	**0.0000**	**5.4800e-003**	**5.5000e-004**	**0.0000**	**5.5000e-004**	**0.0000**	**0.3473**	**0.3473**	**5.0000e-005**	**0.0000**	**0.3485**

3.16 P2 Architectural Coating - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	2.3118					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0106	0.0715	0.1062	1.7000e-004		3.5700e-003	3.5700e-003		3.5700e-003	3.5700e-003	0.0000	14.9791	14.9791	8.4000e-004	0.0000	15.0002
Total	**2.3224**	**0.0715**	**0.1062**	**1.7000e-004**		**3.5700e-003**	**3.5700e-003**		**3.5700e-003**	**3.5700e-003**	**0.0000**	**14.9791**	**14.9791**	**8.4000e-004**	**0.0000**	**15.0002**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	9.0000e-005	4.5000e-003	1.0200e-003	0.0000	0.0173	0.0000	0.0173	1.7300e-003	0.0000	1.7300e-003	0.0000	0.4702	0.4702	6.0000e-005	0.0000	0.4718
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**9.0000e-005**	**4.5000e-003**	**1.0200e-003**	**0.0000**	**0.0173**	**0.0000**	**0.0173**	**1.7300e-003**	**0.0000**	**1.7300e-003**	**0.0000**	**0.4702**	**0.4702**	**6.0000e-005**	**0.0000**	**0.4718**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	2.3118					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	3.2000e-003	0.0622	0.1075	1.7000e-004		2.3000e-004	2.3000e-004		2.3000e-004	2.3000e-004	0.0000	14.9791	14.9791	8.4000e-004	0.0000	15.0002
Total	**2.3150**	**0.0622**	**0.1075**	**1.7000e-004**		**2.3000e-004**	**2.3000e-004**		**2.3000e-004**	**2.3000e-004**	**0.0000**	**14.9791**	**14.9791**	**8.4000e-004**	**0.0000**	**15.0002**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	9.0000e-005	4.5000e-003	1.0200e-003	0.0000	7.4200e-003	0.0000	7.4200e-003	7.4000e-004	0.0000	7.4000e-004	0.0000	0.4702	0.4702	6.0000e-005	0.0000	0.4718
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**9.0000e-005**	**4.5000e-003**	**1.0200e-003**	**0.0000**	**7.4200e-003**	**0.0000**	**7.4200e-003**	**7.4000e-004**	**0.0000**	**7.4000e-004**	**0.0000**	**0.4702**	**0.4702**	**6.0000e-005**	**0.0000**	**0.4718**

3.17 P2 Building Construction 2 (mo. 5) - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	3.1400e-003	0.0371	0.0590	9.0000e-005		1.1900e-003	1.1900e-003		1.1100e-003	1.1100e-003	0.0000	7.8374	7.8374	2.4200e-003	0.0000	7.8980
Total	**3.1400e-003**	**0.0371**	**0.0590**	**9.0000e-005**		**1.1900e-003**	**1.1900e-003**		**1.1100e-003**	**1.1100e-003**	**0.0000**	**7.8374**	**7.8374**	**2.4200e-003**	**0.0000**	**7.8980**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.0000e-005	1.1300e-003	2.5000e-004	0.0000	4.3300e-003	0.0000	4.3300e-003	4.3000e-004	0.0000	4.3000e-004	0.0000	0.1175	0.1175	2.0000e-005	0.0000	0.1179
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**2.0000e-005**	**1.1300e-003**	**2.5000e-004**	**0.0000**	**4.3300e-003**	**0.0000**	**4.3300e-003**	**4.3000e-004**	**0.0000**	**4.3000e-004**	**0.0000**	**0.1175**	**0.1175**	**2.0000e-005**	**0.0000**	**0.1179**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	1.9700e-003	0.0422	0.0632	9.0000e-005		1.1100e-003	1.1100e-003		1.1100e-003	1.1100e-003	0.0000	7.8374	7.8374	2.4200e-003	0.0000	7.8980
Total	**1.9700e-003**	**0.0422**	**0.0632**	**9.0000e-005**		**1.1100e-003**	**1.1100e-003**		**1.1100e-003**	**1.1100e-003**	**0.0000**	**7.8374**	**7.8374**	**2.4200e-003**	**0.0000**	**7.8980**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.0000e-005	1.1300e-003	2.5000e-004	0.0000	1.8500e-003	0.0000	1.8600e-003	1.9000e-004	0.0000	1.9000e-004	0.0000	0.1175	0.1175	2.0000e-005	0.0000	0.1179
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**2.0000e-005**	**1.1300e-003**	**2.5000e-004**	**0.0000**	**1.8500e-003**	**0.0000**	**1.8600e-003**	**1.9000e-004**	**0.0000**	**1.9000e-004**	**0.0000**	**0.1175**	**0.1175**	**2.0000e-005**	**0.0000**	**0.1179**

3.18 P3 Paving - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0109	0.1048	0.1609	2.5000e-004		5.1500e-003	5.1500e-003		4.7400e-003	4.7400e-003	0.0000	22.0292	22.0292	7.1200e-003	0.0000	22.2073
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0109**	**0.1048**	**0.1609**	**2.5000e-004**		**5.1500e-003**	**5.1500e-003**		**4.7400e-003**	**4.7400e-003**	**0.0000**	**22.0292**	**22.0292**	**7.1200e-003**	**0.0000**	**22.2073**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.1000e-004	5.6300e-003	1.2700e-003	1.0000e-005	0.0216	0.0000	0.0216	2.1600e-003	0.0000	2.1600e-003	0.0000	0.5877	0.5877	8.0000e-005	0.0000	0.5897
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**1.1000e-004**	**5.6300e-003**	**1.2700e-003**	**1.0000e-005**	**0.0216**	**0.0000**	**0.0216**	**2.1600e-003**	**0.0000**	**2.1600e-003**	**0.0000**	**0.5877**	**0.5877**	**8.0000e-005**	**0.0000**	**0.5897**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	3.6700e-003	0.1104	0.1903	2.5000e-004		4.1000e-004	4.1000e-004		4.1000e-004	4.1000e-004	0.0000	22.0292	22.0292	7.1200e-003	0.0000	22.2073
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**3.6700e-003**	**0.1104**	**0.1903**	**2.5000e-004**		**4.1000e-004**	**4.1000e-004**		**4.1000e-004**	**4.1000e-004**	**0.0000**	**22.0292**	**22.0292**	**7.1200e-003**	**0.0000**	**22.2073**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.1000e-004	5.6300e-003	1.2700e-003	1.0000e-005	9.2700e-003	0.0000	9.2800e-003	9.3000e-004	0.0000	9.3000e-004	0.0000	0.5877	0.5877	8.0000e-005	0.0000	0.5897
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**1.1000e-004**	**5.6300e-003**	**1.2700e-003**	**1.0000e-005**	**9.2700e-003**	**0.0000**	**9.2800e-003**	**9.3000e-004**	**0.0000**	**9.3000e-004**	**0.0000**	**0.5877**	**0.5877**	**8.0000e-005**	**0.0000**	**0.5897**

3.19 P3 Site Preparation (mo. 1) - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0118	0.1148	0.1100	2.2000e-004		5.1300e-003	5.1300e-003		4.8300e-003	4.8300e-003	0.0000	19.2128	19.2128	4.2600e-003	0.0000	19.3193
Total	**0.0118**	**0.1148**	**0.1100**	**2.2000e-004**	**0.0000**	**5.1300e-003**	**5.1300e-003**	**0.0000**	**4.8300e-003**	**4.8300e-003**	**0.0000**	**19.2128**	**19.2128**	**4.2600e-003**	**0.0000**	**19.3193**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.0000e-005	1.1700e-003	2.6000e-004	0.0000	4.5200e-003	0.0000	4.5200e-003	4.5000e-004	0.0000	4.5000e-004	0.0000	0.1215	0.1215	2.0000e-005	0.0000	0.1219
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**2.0000e-005**	**1.1700e-003**	**2.6000e-004**	**0.0000**	**4.5200e-003**	**0.0000**	**4.5200e-003**	**4.5000e-004**	**0.0000**	**4.5000e-004**	**0.0000**	**0.1215**	**0.1215**	**2.0000e-005**	**0.0000**	**0.1219**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	4.0900e-003	0.0773	0.1344	2.2000e-004		8.3000e-004	8.3000e-004		8.3000e-004	8.3000e-004	0.0000	19.2128	19.2128	4.2600e-003	0.0000	19.3193
Total	**4.0900e-003**	**0.0773**	**0.1344**	**2.2000e-004**	**0.0000**	**8.3000e-004**	**8.3000e-004**	**0.0000**	**8.3000e-004**	**8.3000e-004**	**0.0000**	**19.2128**	**19.2128**	**4.2600e-003**	**0.0000**	**19.3193**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.0000e-005	1.1700e-003	2.6000e-004	0.0000	1.9400e-003	0.0000	1.9400e-003	1.9000e-004	0.0000	1.9000e-004	0.0000	0.1215	0.1215	2.0000e-005	0.0000	0.1219
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**2.0000e-005**	**1.1700e-003**	**2.6000e-004**	**0.0000**	**1.9400e-003**	**0.0000**	**1.9400e-003**	**1.9000e-004**	**0.0000**	**1.9000e-004**	**0.0000**	**0.1215**	**0.1215**	**2.0000e-005**	**0.0000**	**0.1219**

3.20 P3 Building Construction 1 (mo. 2-4) - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	6.7000e-003	0.0773	0.1335	1.9000e-004		2.6300e-003	2.6300e-003		2.4200e-003	2.4200e-003	0.0000	17.0891	17.0891	5.5300e-003	0.0000	17.2273
Total	**6.7000e-003**	**0.0773**	**0.1335**	**1.9000e-004**		**2.6300e-003**	**2.6300e-003**		**2.4200e-003**	**2.4200e-003**	**0.0000**	**17.0891**	**17.0891**	**5.5300e-003**	**0.0000**	**17.2273**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	6.0000e-005	3.2000e-003	7.0000e-004	0.0000	0.0124	0.0000	0.0124	1.2400e-003	0.0000	1.2400e-003	0.0000	0.3327	0.3327	4.0000e-005	0.0000	0.3338
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**6.0000e-005**	**3.2000e-003**	**7.0000e-004**	**0.0000**	**0.0124**	**0.0000**	**0.0124**	**1.2400e-003**	**0.0000**	**1.2400e-003**	**0.0000**	**0.3327**	**0.3327**	**4.0000e-005**	**0.0000**	**0.3338**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	4.3600e-003	0.0849	0.1468	1.9000e-004		3.2000e-004	3.2000e-004		3.2000e-004	3.2000e-004	0.0000	17.0891	17.0891	5.5300e-003	0.0000	17.2273
Total	**4.3600e-003**	**0.0849**	**0.1468**	**1.9000e-004**		**3.2000e-004**	**3.2000e-004**		**3.2000e-004**	**3.2000e-004**	**0.0000**	**17.0891**	**17.0891**	**5.5300e-003**	**0.0000**	**17.2273**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	6.0000e-005	3.2000e-003	7.0000e-004	0.0000	5.3100e-003	0.0000	5.3100e-003	5.3000e-004	0.0000	5.3000e-004	0.0000	0.3327	0.3327	4.0000e-005	0.0000	0.3338
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**6.0000e-005**	**3.2000e-003**	**7.0000e-004**	**0.0000**	**5.3100e-003**	**0.0000**	**5.3100e-003**	**5.3000e-004**	**0.0000**	**5.3000e-004**	**0.0000**	**0.3327**	**0.3327**	**4.0000e-005**	**0.0000**	**0.3338**

3.21 P3 Architectural Coating - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	2.3118					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	9.8000e-003	0.0657	0.1037	1.7000e-004		2.9500e-003	2.9500e-003		2.9500e-003	2.9500e-003	0.0000	14.6387	14.6387	8.0000e-004	0.0000	14.6586
Total	**2.3216**	**0.0657**	**0.1037**	**1.7000e-004**		**2.9500e-003**	**2.9500e-003**		**2.9500e-003**	**2.9500e-003**	**0.0000**	**14.6387**	**14.6387**	**8.0000e-004**	**0.0000**	**14.6586**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	8.0000e-005	4.3600e-003	9.5000e-004	0.0000	0.0169	0.0000	0.0169	1.6900e-003	0.0000	1.6900e-003	0.0000	0.4542	0.4542	6.0000e-005	0.0000	0.4557
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**8.0000e-005**	**4.3600e-003**	**9.5000e-004**	**0.0000**	**0.0169**	**0.0000**	**0.0169**	**1.6900e-003**	**0.0000**	**1.6900e-003**	**0.0000**	**0.4542**	**0.4542**	**6.0000e-005**	**0.0000**	**0.4557**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	2.3118					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	3.1200e-003	0.0608	0.1051	1.7000e-004		2.3000e-004	2.3000e-004		2.3000e-004	2.3000e-004	0.0000	14.6386	14.6386	8.0000e-004	0.0000	14.6586
Total	**2.3149**	**0.0608**	**0.1051**	**1.7000e-004**		**2.3000e-004**	**2.3000e-004**		**2.3000e-004**	**2.3000e-004**	**0.0000**	**14.6386**	**14.6386**	**8.0000e-004**	**0.0000**	**14.6586**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	8.0000e-005	4.3600e-003	9.5000e-004	0.0000	7.2500e-003	0.0000	7.2500e-003	7.2000e-004	0.0000	7.3000e-004	0.0000	0.4542	0.4542	6.0000e-005	0.0000	0.4557
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**8.0000e-005**	**4.3600e-003**	**9.5000e-004**	**0.0000**	**7.2500e-003**	**0.0000**	**7.2500e-003**	**7.2000e-004**	**0.0000**	**7.3000e-004**	**0.0000**	**0.4542**	**0.4542**	**6.0000e-005**	**0.0000**	**0.4557**

3.22 P3 Building Construction 2 (mo. 5) - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	3.0200e-003	0.0356	0.0589	9.0000e-005		1.0800e-003	1.0800e-003		1.0100e-003	1.0100e-003	0.0000	7.8354	7.8354	2.4200e-003	0.0000	7.8960
Total	**3.0200e-003**	**0.0356**	**0.0589**	**9.0000e-005**		**1.0800e-003**	**1.0800e-003**		**1.0100e-003**	**1.0100e-003**	**0.0000**	**7.8354**	**7.8354**	**2.4200e-003**	**0.0000**	**7.8960**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.0000e-005	1.1200e-003	2.4000e-004	0.0000	4.3300e-003	0.0000	4.3300e-003	4.3000e-004	0.0000	4.3000e-004	0.0000	0.1162	0.1162	2.0000e-005	0.0000	0.1166
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**2.0000e-005**	**1.1200e-003**	**2.4000e-004**	**0.0000**	**4.3300e-003**	**0.0000**	**4.3300e-003**	**4.3000e-004**	**0.0000**	**4.3000e-004**	**0.0000**	**0.1162**	**0.1162**	**2.0000e-005**	**0.0000**	**0.1166**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	1.9700e-003	0.0422	0.0632	9.0000e-005		1.1100e-003	1.1100e-003		1.1100e-003	1.1100e-003	0.0000	7.8354	7.8354	2.4200e-003	0.0000	7.8960
Total	**1.9700e-003**	**0.0422**	**0.0632**	**9.0000e-005**		**1.1100e-003**	**1.1100e-003**		**1.1100e-003**	**1.1100e-003**	**0.0000**	**7.8354**	**7.8354**	**2.4200e-003**	**0.0000**	**7.8960**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.0000e-005	1.1200e-003	2.4000e-004	0.0000	1.8500e-003	0.0000	1.8600e-003	1.9000e-004	0.0000	1.9000e-004	0.0000	0.1162	0.1162	2.0000e-005	0.0000	0.1166
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**2.0000e-005**	**1.1200e-003**	**2.4000e-004**	**0.0000**	**1.8500e-003**	**0.0000**	**1.8600e-003**	**1.9000e-004**	**0.0000**	**1.9000e-004**	**0.0000**	**0.1162**	**0.1162**	**2.0000e-005**	**0.0000**	**0.1166**

3.23 P4 Paving - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0101	0.0944	0.1604	2.5000e-004		4.6000e-003	4.6000e-003		4.2400e-003	4.2400e-003	0.0000	22.0212	22.0212	7.1200e-003	0.0000	22.1992
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0101**	**0.0944**	**0.1604**	**2.5000e-004**		**4.6000e-003**	**4.6000e-003**		**4.2400e-003**	**4.2400e-003**	**0.0000**	**22.0212**	**22.0212**	**7.1200e-003**	**0.0000**	**22.1992**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.0000e-004	5.5800e-003	1.2200e-003	1.0000e-005	0.0216	0.0000	0.0216	2.1600e-003	0.0000	2.1600e-003	0.0000	0.5810	0.5810	8.0000e-005	0.0000	0.5829
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**1.0000e-004**	**5.5800e-003**	**1.2200e-003**	**1.0000e-005**	**0.0216**	**0.0000**	**0.0216**	**2.1600e-003**	**0.0000**	**2.1600e-003**	**0.0000**	**0.5810**	**0.5810**	**8.0000e-005**	**0.0000**	**0.5829**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	3.6700e-003	0.1104	0.1903	2.5000e-004		4.1000e-004	4.1000e-004		4.1000e-004	4.1000e-004	0.0000	22.0212	22.0212	7.1200e-003	0.0000	22.1992
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**3.6700e-003**	**0.1104**	**0.1903**	**2.5000e-004**		**4.1000e-004**	**4.1000e-004**		**4.1000e-004**	**4.1000e-004**	**0.0000**	**22.0212**	**22.0212**	**7.1200e-003**	**0.0000**	**22.1992**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.0000e-004	5.5800e-003	1.2200e-003	1.0000e-005	9.2700e-003	0.0000	9.2800e-003	9.3000e-004	0.0000	9.3000e-004	0.0000	0.5810	0.5810	8.0000e-005	0.0000	0.5829
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**1.0000e-004**	**5.5800e-003**	**1.2200e-003**	**1.0000e-005**	**9.2700e-003**	**0.0000**	**9.2800e-003**	**9.3000e-004**	**0.0000**	**9.3000e-004**	**0.0000**	**0.5810**	**0.5810**	**8.0000e-005**	**0.0000**	**0.5829**

3.24 P4 Site Preparation (mo. 1) - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0108	0.1049	0.1004	2.0000e-004		4.6900e-003	4.6900e-003		4.4100e-003	4.4100e-003	0.0000	17.5422	17.5422	3.8900e-003	0.0000	17.6394
Total	**0.0108**	**0.1049**	**0.1004**	**2.0000e-004**	**0.0000**	**4.6900e-003**	**4.6900e-003**	**0.0000**	**4.4100e-003**	**4.4100e-003**	**0.0000**	**17.5422**	**17.5422**	**3.8900e-003**	**0.0000**	**17.6394**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.0000e-005	1.0700e-003	2.3000e-004	0.0000	4.1300e-003	0.0000	4.1300e-003	4.1000e-004	0.0000	4.1000e-004	0.0000	0.1109	0.1109	1.0000e-005	0.0000	0.1113
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**2.0000e-005**	**1.0700e-003**	**2.3000e-004**	**0.0000**	**4.1300e-003**	**0.0000**	**4.1300e-003**	**4.1000e-004**	**0.0000**	**4.1000e-004**	**0.0000**	**0.1109**	**0.1109**	**1.0000e-005**	**0.0000**	**0.1113**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	3.7300e-003	0.0706	0.1227	2.0000e-004		7.6000e-004	7.6000e-004		7.6000e-004	7.6000e-004	0.0000	17.5421	17.5421	3.8900e-003	0.0000	17.6393
Total	**3.7300e-003**	**0.0706**	**0.1227**	**2.0000e-004**	**0.0000**	**7.6000e-004**	**7.6000e-004**	**0.0000**	**7.6000e-004**	**7.6000e-004**	**0.0000**	**17.5421**	**17.5421**	**3.8900e-003**	**0.0000**	**17.6393**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.0000e-005	1.0700e-003	2.3000e-004	0.0000	1.7700e-003	0.0000	1.7700e-003	1.8000e-004	0.0000	1.8000e-004	0.0000	0.1109	0.1109	1.0000e-005	0.0000	0.1113
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**2.0000e-005**	**1.0700e-003**	**2.3000e-004**	**0.0000**	**1.7700e-003**	**0.0000**	**1.7700e-003**	**1.8000e-004**	**0.0000**	**1.8000e-004**	**0.0000**	**0.1109**	**0.1109**	**1.0000e-005**	**0.0000**	**0.1113**

3.25 P4 Building Construction 1 (mo. 2-4) - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	7.5600e-003	0.0864	0.1490	2.2000e-004		2.9800e-003	2.9800e-003		2.7400e-003	2.7400e-003	0.0000	19.0332	19.0332	6.1600e-003	0.0000	19.1871
Total	**7.5600e-003**	**0.0864**	**0.1490**	**2.2000e-004**		**2.9800e-003**	**2.9800e-003**		**2.7400e-003**	**2.7400e-003**	**0.0000**	**19.0332**	**19.0332**	**6.1600e-003**	**0.0000**	**19.1871**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	6.0000e-005	3.3500e-003	7.3000e-004	0.0000	0.0130	0.0000	0.0130	1.3000e-003	0.0000	1.3000e-003	0.0000	0.3486	0.3486	5.0000e-005	0.0000	0.3497
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**6.0000e-005**	**3.3500e-003**	**7.3000e-004**	**0.0000**	**0.0130**	**0.0000**	**0.0130**	**1.3000e-003**	**0.0000**	**1.3000e-003**	**0.0000**	**0.3486**	**0.3486**	**5.0000e-005**	**0.0000**	**0.3497**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	4.8600e-003	0.0945	0.1634	2.2000e-004		3.5000e-004	3.5000e-004		3.5000e-004	3.5000e-004	0.0000	19.0332	19.0332	6.1600e-003	0.0000	19.1871
Total	**4.8600e-003**	**0.0945**	**0.1634**	**2.2000e-004**		**3.5000e-004**	**3.5000e-004**		**3.5000e-004**	**3.5000e-004**	**0.0000**	**19.0332**	**19.0332**	**6.1600e-003**	**0.0000**	**19.1871**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	6.0000e-005	3.3500e-003	7.3000e-004	0.0000	5.5600e-003	0.0000	5.5700e-003	5.6000e-004	0.0000	5.6000e-004	0.0000	0.3486	0.3486	5.0000e-005	0.0000	0.3497
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**6.0000e-005**	**3.3500e-003**	**7.3000e-004**	**0.0000**	**5.5600e-003**	**0.0000**	**5.5700e-003**	**5.6000e-004**	**0.0000**	**5.6000e-004**	**0.0000**	**0.3486**	**0.3486**	**5.0000e-005**	**0.0000**	**0.3497**

3.26 P4 Architectural Coating - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	2.3118					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	9.8000e-003	0.0657	0.1037	1.7000e-004		2.9500e-003	2.9500e-003		2.9500e-003	2.9500e-003	0.0000	14.6387	14.6387	8.0000e-004	0.0000	14.6586
Total	**2.3216**	**0.0657**	**0.1037**	**1.7000e-004**		**2.9500e-003**	**2.9500e-003**		**2.9500e-003**	**2.9500e-003**	**0.0000**	**14.6387**	**14.6387**	**8.0000e-004**	**0.0000**	**14.6586**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	8.0000e-005	4.3600e-003	9.5000e-004	0.0000	0.0169	0.0000	0.0169	1.6900e-003	0.0000	1.6900e-003	0.0000	0.4542	0.4542	6.0000e-005	0.0000	0.4557
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**8.0000e-005**	**4.3600e-003**	**9.5000e-004**	**0.0000**	**0.0169**	**0.0000**	**0.0169**	**1.6900e-003**	**0.0000**	**1.6900e-003**	**0.0000**	**0.4542**	**0.4542**	**6.0000e-005**	**0.0000**	**0.4557**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	2.3118					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	3.1200e-003	0.0608	0.1051	1.7000e-004		2.3000e-004	2.3000e-004		2.3000e-004	2.3000e-004	0.0000	14.6386	14.6386	8.0000e-004	0.0000	14.6586
Total	**2.3149**	**0.0608**	**0.1051**	**1.7000e-004**		**2.3000e-004**	**2.3000e-004**		**2.3000e-004**	**2.3000e-004**	**0.0000**	**14.6386**	**14.6386**	**8.0000e-004**	**0.0000**	**14.6586**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	8.0000e-005	4.3600e-003	9.5000e-004	0.0000	7.2500e-003	0.0000	7.2500e-003	7.2000e-004	0.0000	7.3000e-004	0.0000	0.4542	0.4542	6.0000e-005	0.0000	0.4557
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**8.0000e-005**	**4.3600e-003**	**9.5000e-004**	**0.0000**	**7.2500e-003**	**0.0000**	**7.2500e-003**	**7.2000e-004**	**0.0000**	**7.3000e-004**	**0.0000**	**0.4542**	**0.4542**	**6.0000e-005**	**0.0000**	**0.4557**

3.27 P4 Building Construction 2 (mo. 5) - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	3.1500e-003	0.0372	0.0616	1.0000e-004		1.1300e-003	1.1300e-003		1.0500e-003	1.0500e-003	0.0000	8.1915	8.1915	2.5300e-003	0.0000	8.2549
Total	**3.1500e-003**	**0.0372**	**0.0616**	**1.0000e-004**		**1.1300e-003**	**1.1300e-003**		**1.0500e-003**	**1.0500e-003**	**0.0000**	**8.1915**	**8.1915**	**2.5300e-003**	**0.0000**	**8.2549**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.0000e-005	1.1700e-003	2.6000e-004	0.0000	4.5200e-003	0.0000	4.5200e-003	4.5000e-004	0.0000	4.5000e-004	0.0000	0.1215	0.1215	2.0000e-005	0.0000	0.1219
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**2.0000e-005**	**1.1700e-003**	**2.6000e-004**	**0.0000**	**4.5200e-003**	**0.0000**	**4.5200e-003**	**4.5000e-004**	**0.0000**	**4.5000e-004**	**0.0000**	**0.1215**	**0.1215**	**2.0000e-005**	**0.0000**	**0.1219**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	2.0600e-003	0.0441	0.0661	1.0000e-004		1.1600e-003	1.1600e-003		1.1600e-003	1.1600e-003	0.0000	8.1915	8.1915	2.5300e-003	0.0000	8.2549
Total	**2.0600e-003**	**0.0441**	**0.0661**	**1.0000e-004**		**1.1600e-003**	**1.1600e-003**		**1.1600e-003**	**1.1600e-003**	**0.0000**	**8.1915**	**8.1915**	**2.5300e-003**	**0.0000**	**8.2549**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.0000e-005	1.1700e-003	2.6000e-004	0.0000	1.9400e-003	0.0000	1.9400e-003	1.9000e-004	0.0000	1.9000e-004	0.0000	0.1215	0.1215	2.0000e-005	0.0000	0.1219
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**2.0000e-005**	**1.1700e-003**	**2.6000e-004**	**0.0000**	**1.9400e-003**	**0.0000**	**1.9400e-003**	**1.9000e-004**	**0.0000**	**1.9000e-004**	**0.0000**	**0.1215**	**0.1215**	**2.0000e-005**	**0.0000**	**0.1219**

3.28 P5 Paving - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0105	0.0987	0.1677	2.6000e-004		4.8100e-003	4.8100e-003		4.4300e-003	4.4300e-003	0.0000	23.0221	23.0221	7.4500e-003	0.0000	23.2083
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0105**	**0.0987**	**0.1677**	**2.6000e-004**		**4.8100e-003**	**4.8100e-003**		**4.4300e-003**	**4.4300e-003**	**0.0000**	**23.0221**	**23.0221**	**7.4500e-003**	**0.0000**	**23.2083**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.1000e-004	5.8300e-003	1.2800e-003	1.0000e-005	0.0226	0.0000	0.0226	2.2600e-003	0.0000	2.2600e-003	0.0000	0.6074	0.6074	8.0000e-005	0.0000	0.6094
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**1.1000e-004**	**5.8300e-003**	**1.2800e-003**	**1.0000e-005**	**0.0226**	**0.0000**	**0.0226**	**2.2600e-003**	**0.0000**	**2.2600e-003**	**0.0000**	**0.6074**	**0.6074**	**8.0000e-005**	**0.0000**	**0.6094**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	3.8400e-003	0.1155	0.1989	2.6000e-004		4.3000e-004	4.3000e-004		4.3000e-004	4.3000e-004	0.0000	23.0221	23.0221	7.4500e-003	0.0000	23.2083
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**3.8400e-003**	**0.1155**	**0.1989**	**2.6000e-004**		**4.3000e-004**	**4.3000e-004**		**4.3000e-004**	**4.3000e-004**	**0.0000**	**23.0221**	**23.0221**	**7.4500e-003**	**0.0000**	**23.2083**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.1000e-004	5.8300e-003	1.2800e-003	1.0000e-005	9.7000e-003	0.0000	9.7000e-003	9.7000e-004	0.0000	9.7000e-004	0.0000	0.6074	0.6074	8.0000e-005	0.0000	0.6094
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**1.1000e-004**	**5.8300e-003**	**1.2800e-003**	**1.0000e-005**	**9.7000e-003**	**0.0000**	**9.7000e-003**	**9.7000e-004**	**0.0000**	**9.7000e-004**	**0.0000**	**0.6074**	**0.6074**	**8.0000e-005**	**0.0000**	**0.6094**

3.29 P5 Site Preparation (mo. 1) - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0103	0.0999	0.0957	1.9000e-004		4.4600e-003	4.4600e-003		4.2000e-003	4.2000e-003	0.0000	16.7068	16.7068	3.7000e-003	0.0000	16.7994
Total	**0.0103**	**0.0999**	**0.0957**	**1.9000e-004**	**0.0000**	**4.4600e-003**	**4.4600e-003**	**0.0000**	**4.2000e-003**	**4.2000e-003**	**0.0000**	**16.7068**	**16.7068**	**3.7000e-003**	**0.0000**	**16.7994**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.0000e-005	1.0100e-003	2.2000e-004	0.0000	3.9300e-003	0.0000	3.9300e-003	3.9000e-004	0.0000	3.9000e-004	0.0000	0.1056	0.1056	1.0000e-005	0.0000	0.1060
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**2.0000e-005**	**1.0100e-003**	**2.2000e-004**	**0.0000**	**3.9300e-003**	**0.0000**	**3.9300e-003**	**3.9000e-004**	**0.0000**	**3.9000e-004**	**0.0000**	**0.1056**	**0.1056**	**1.0000e-005**	**0.0000**	**0.1060**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	3.5500e-003	0.0673	0.1169	1.9000e-004		7.3000e-004	7.3000e-004		7.3000e-004	7.3000e-004	0.0000	16.7068	16.7068	3.7000e-003	0.0000	16.7994
Total	**3.5500e-003**	**0.0673**	**0.1169**	**1.9000e-004**	**0.0000**	**7.3000e-004**	**7.3000e-004**	**0.0000**	**7.3000e-004**	**7.3000e-004**	**0.0000**	**16.7068**	**16.7068**	**3.7000e-003**	**0.0000**	**16.7994**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.0000e-005	1.0100e-003	2.2000e-004	0.0000	1.6900e-003	0.0000	1.6900e-003	1.7000e-004	0.0000	1.7000e-004	0.0000	0.1056	0.1056	1.0000e-005	0.0000	0.1060
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**2.0000e-005**	**1.0100e-003**	**2.2000e-004**	**0.0000**	**1.6900e-003**	**0.0000**	**1.6900e-003**	**1.7000e-004**	**0.0000**	**1.7000e-004**	**0.0000**	**0.1056**	**0.1056**	**1.0000e-005**	**0.0000**	**0.1060**

3.30 P5 Building Construction 1 (mo. 2-4) - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	2.6300e-003	0.0301	0.0519	8.0000e-005		1.0400e-003	1.0400e-003		9.5000e-004	9.5000e-004	0.0000	6.6328	6.6328	2.1500e-003	0.0000	6.6864
Total	**2.6300e-003**	**0.0301**	**0.0519**	**8.0000e-005**		**1.0400e-003**	**1.0400e-003**		**9.5000e-004**	**9.5000e-004**	**0.0000**	**6.6328**	**6.6328**	**2.1500e-003**	**0.0000**	**6.6864**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.0000e-005	1.1700e-003	2.6000e-004	0.0000	4.5200e-003	0.0000	4.5200e-003	4.5000e-004	0.0000	4.5000e-004	0.0000	0.1215	0.1215	2.0000e-005	0.0000	0.1219
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**2.0000e-005**	**1.1700e-003**	**2.6000e-004**	**0.0000**	**4.5200e-003**	**0.0000**	**4.5200e-003**	**4.5000e-004**	**0.0000**	**4.5000e-004**	**0.0000**	**0.1215**	**0.1215**	**2.0000e-005**	**0.0000**	**0.1219**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	1.6900e-003	0.0329	0.0570	8.0000e-005		1.2000e-004	1.2000e-004		1.2000e-004	1.2000e-004	0.0000	6.6328	6.6328	2.1500e-003	0.0000	6.6864
Total	**1.6900e-003**	**0.0329**	**0.0570**	**8.0000e-005**		**1.2000e-004**	**1.2000e-004**		**1.2000e-004**	**1.2000e-004**	**0.0000**	**6.6328**	**6.6328**	**2.1500e-003**	**0.0000**	**6.6864**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.0000e-005	1.1700e-003	2.6000e-004	0.0000	1.9400e-003	0.0000	1.9400e-003	1.9000e-004	0.0000	1.9000e-004	0.0000	0.1215	0.1215	2.0000e-005	0.0000	0.1219
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**2.0000e-005**	**1.1700e-003**	**2.6000e-004**	**0.0000**	**1.9400e-003**	**0.0000**	**1.9400e-003**	**1.9000e-004**	**0.0000**	**1.9000e-004**	**0.0000**	**0.1215**	**0.1215**	**2.0000e-005**	**0.0000**	**0.1219**

3.30 P5 Building Construction 1 (mo. 2-4) - 2026

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	4.8100e-003	0.0550	0.0948	1.4000e-004		1.8900e-003	1.8900e-003		1.7400e-003	1.7400e-003	0.0000	12.1120	12.1120	3.9200e-003	0.0000	12.2100
Total	**4.8100e-003**	**0.0550**	**0.0948**	**1.4000e-004**		**1.8900e-003**	**1.8900e-003**		**1.7400e-003**	**1.7400e-003**	**0.0000**	**12.1120**	**12.1120**	**3.9200e-003**	**0.0000**	**12.2100**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	4.0000e-005	2.1100e-003	4.5000e-004	0.0000	8.2600e-003	0.0000	8.2600e-003	8.2000e-004	0.0000	8.3000e-004	0.0000	0.2194	0.2194	3.0000e-005	0.0000	0.2201
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**4.0000e-005**	**2.1100e-003**	**4.5000e-004**	**0.0000**	**8.2600e-003**	**0.0000**	**8.2600e-003**	**8.2000e-004**	**0.0000**	**8.3000e-004**	**0.0000**	**0.2194**	**0.2194**	**3.0000e-005**	**0.0000**	**0.2201**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	3.0900e-003	0.0602	0.1040	1.4000e-004		2.2000e-004	2.2000e-004		2.2000e-004	2.2000e-004	0.0000	12.1120	12.1120	3.9200e-003	0.0000	12.2100
Total	**3.0900e-003**	**0.0602**	**0.1040**	**1.4000e-004**		**2.2000e-004**	**2.2000e-004**		**2.2000e-004**	**2.2000e-004**	**0.0000**	**12.1120**	**12.1120**	**3.9200e-003**	**0.0000**	**12.2100**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	4.0000e-005	2.1100e-003	4.5000e-004	0.0000	3.5400e-003	0.0000	3.5400e-003	3.5000e-004	0.0000	3.5000e-004	0.0000	0.2194	0.2194	3.0000e-005	0.0000	0.2201
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**4.0000e-005**	**2.1100e-003**	**4.5000e-004**	**0.0000**	**3.5400e-003**	**0.0000**	**3.5400e-003**	**3.5000e-004**	**0.0000**	**3.5000e-004**	**0.0000**	**0.2194**	**0.2194**	**3.0000e-005**	**0.0000**	**0.2201**

3.31 P5 Architectural Coating - 2026

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	2.3118					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	9.5700e-003	0.0642	0.1013	1.7000e-004		2.8800e-003	2.8800e-003		2.8800e-003	2.8800e-003	0.0000	14.2982	14.2982	7.8000e-004	0.0000	14.3177
Total	**2.3213**	**0.0642**	**0.1013**	**1.7000e-004**		**2.8800e-003**	**2.8800e-003**		**2.8800e-003**	**2.8800e-003**	**0.0000**	**14.2982**	**14.2982**	**7.8000e-004**	**0.0000**	**14.3177**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	8.0000e-005	4.2300e-003	9.0000e-004	0.0000	0.0165	0.0000	0.0165	1.6500e-003	0.0000	1.6500e-003	0.0000	0.4387	0.4387	6.0000e-005	0.0000	0.4401
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**8.0000e-005**	**4.2300e-003**	**9.0000e-004**	**0.0000**	**0.0165**	**0.0000**	**0.0165**	**1.6500e-003**	**0.0000**	**1.6500e-003**	**0.0000**	**0.4387**	**0.4387**	**6.0000e-005**	**0.0000**	**0.4401**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	2.3118					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	3.0500e-003	0.0594	0.1026	1.7000e-004		2.2000e-004	2.2000e-004		2.2000e-004	2.2000e-004	0.0000	14.2982	14.2982	7.8000e-004	0.0000	14.3177
Total	**2.3148**	**0.0594**	**0.1026**	**1.7000e-004**		**2.2000e-004**	**2.2000e-004**		**2.2000e-004**	**2.2000e-004**	**0.0000**	**14.2982**	**14.2982**	**7.8000e-004**	**0.0000**	**14.3177**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	8.0000e-005	4.2300e-003	9.0000e-004	0.0000	7.0800e-003	0.0000	7.0800e-003	7.1000e-004	0.0000	7.1000e-004	0.0000	0.4387	0.4387	6.0000e-005	0.0000	0.4401
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**8.0000e-005**	**4.2300e-003**	**9.0000e-004**	**0.0000**	**7.0800e-003**	**0.0000**	**7.0800e-003**	**7.1000e-004**	**0.0000**	**7.1000e-004**	**0.0000**	**0.4387**	**0.4387**	**6.0000e-005**	**0.0000**	**0.4401**

3.32 P5 Building Construction 2 (mo. 5) - 2026

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	3.0200e-003	0.0356	0.0589	9.0000e-005		1.0800e-003	1.0800e-003		1.0100e-003	1.0100e-003	0.0000	7.8354	7.8354	2.4200e-003	0.0000	7.8960
Total	**3.0200e-003**	**0.0356**	**0.0589**	**9.0000e-005**		**1.0800e-003**	**1.0800e-003**		**1.0100e-003**	**1.0100e-003**	**0.0000**	**7.8354**	**7.8354**	**2.4200e-003**	**0.0000**	**7.8960**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.0000e-005	1.1100e-003	2.4000e-004	0.0000	4.3300e-003	0.0000	4.3300e-003	4.3000e-004	0.0000	4.3000e-004	0.0000	0.1149	0.1149	1.0000e-005	0.0000	0.1153
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**2.0000e-005**	**1.1100e-003**	**2.4000e-004**	**0.0000**	**4.3300e-003**	**0.0000**	**4.3300e-003**	**4.3000e-004**	**0.0000**	**4.3000e-004**	**0.0000**	**0.1149**	**0.1149**	**1.0000e-005**	**0.0000**	**0.1153**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	1.9700e-003	0.0422	0.0632	9.0000e-005		1.1100e-003	1.1100e-003		1.1100e-003	1.1100e-003	0.0000	7.8354	7.8354	2.4200e-003	0.0000	7.8960
Total	**1.9700e-003**	**0.0422**	**0.0632**	**9.0000e-005**		**1.1100e-003**	**1.1100e-003**		**1.1100e-003**	**1.1100e-003**	**0.0000**	**7.8354**	**7.8354**	**2.4200e-003**	**0.0000**	**7.8960**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.0000e-005	1.1100e-003	2.4000e-004	0.0000	1.8500e-003	0.0000	1.8600e-003	1.9000e-004	0.0000	1.9000e-004	0.0000	0.1149	0.1149	1.0000e-005	0.0000	0.1153
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**2.0000e-005**	**1.1100e-003**	**2.4000e-004**	**0.0000**	**1.8500e-003**	**0.0000**	**1.8600e-003**	**1.9000e-004**	**0.0000**	**1.9000e-004**	**0.0000**	**0.1149**	**0.1149**	**1.0000e-005**	**0.0000**	**0.1153**

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CalEEMod Version: CalEEMod.2016.3.1

Date: 1/9/2018 8:00 AM

Proctor Valley EIR - PA 16-19 Residential

San Diego County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Single Family Housing	125.00	Dwelling Unit	368.00	591,125.00	344

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.6	**Precipitation Freq (Days)**	40
Climate Zone	13			**Operational Year**	2028
Utility Company	San Diego Gas & Electric				
CO2 Intensity (lb/MWhr)	427.49	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - Refer to CalEEMod Input Matrix Table 2

Land Use - Refer to CalEEMod Input Matrix Table 4

Construction Phase - Refer to CalEEMod Input Matrix Table 5

Off-road Equipment - Refer to CalEEMod Input Matrix Table 6

Trips and VMT - Refer to CalEEMod Input Matrix Table 9

Architectural Coating - Refer to CalEEMod Input Matrix Table 11

Vehicle Trips - Refer to CalEEMod Input Matrix Table 12

Woodstoves - No wood stoves or fireplaces.

Energy Use - Based on energy study.

Construction Off-road Equipment Mitigation - refer to input table

Waste Mitigation - Waste diversion in accordance with AB 939.

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Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Parking	250.00	0.00
tblArchitecturalCoating	EF_Parking	250.00	0.00
tblArchitecturalCoating	EF_Parking	250.00	0.00
tblArchitecturalCoating	EF_Parking	250.00	0
tblArchitecturalCoating	EF_Residential_Exterior	250.00	100.00
tblArchitecturalCoating	EF_Residential_Exterior	250.00	100.00
tblArchitecturalCoating	EF_Residential_Exterior	250.00	100.00
tblArchitecturalCoating	EF_Residential_Exterior	250.00	100.00
tblArchitecturalCoating	EF_Residential_Interior	250.00	50.00
tblArchitecturalCoating	EF_Residential_Interior	250.00	50.00
tblArchitecturalCoating	EF_Residential_Interior	250.00	50.00
tblArchitecturalCoating	EF_Residential_Interior	250.00	50.00
tblConstDustMitigation	WaterUnpavedRoadMoistureContent	0	0.5
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	40	15
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	8.00
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tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	8.00
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tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	8.00
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tblConstEquipMitigation	Tier	No Change	Tier 4 Interim

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tblConstEquipMitigation	Tier	No Change	Tier 4 Interim
tblConstEquipMitigation	Tier	No Change	Tier 4 Interim
tblConstEquipMitigation	Tier	No Change	Tier 4 Interim
tblConstEquipMitigation	Tier	No Change	Tier 4 Interim
tblConstEquipMitigation	Tier	No Change	Tier 4 Interim
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tblConstructionPhase	NumDays	440.00	43.00
tblConstructionPhase	NumDays	440.00	45.00
tblConstructionPhase	NumDays	440.00	44.00
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tblConstructionPhase	NumDays	6,200.00	66.00
tblConstructionPhase	NumDays	6,200.00	22.00
tblConstructionPhase	NumDays	6,200.00	65.00
tblConstructionPhase	NumDays	6,200.00	66.00
tblConstructionPhase	NumDays	6,200.00	22.00
tblConstructionPhase	NumDays	6,200.00	21.00
tblConstructionPhase	NumDays	6,200.00	66.00
tblConstructionPhase	NumDays	440.00	21.00
tblConstructionPhase	NumDays	440.00	22.00
tblConstructionPhase	NumDays	440.00	21.00
tblConstructionPhase	NumDays	440.00	21.00
tblConstructionPhase	NumDays	240.00	22.00
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tblConstructionPhase	NumDays	240.00	22.00
tblConstructionPhase	NumDays	240.00	22.00
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tblGrading	AcresOfGrading	10.00	0.00
tblGrading	AcresOfGrading	11.00	0.00
tblGrading	AcresOfGrading	11.00	0.00
tblLandUse	BuildingSpaceSquareFeet	225,000.00	591,125.00
tblLandUse	LandUseSquareFeet	225,000.00	591,125.00
tblLandUse	LotAcreage	40.58	368.00
tblLandUse	Population	358.00	344.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
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tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
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tblOffRoadEquipment	UsageHours	7.00	8.00
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tblOnRoadDust	HaulingPercentPave	100.00	0.00
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tblOnRoadDust	HaulingPercentPave	100.00	0.00
tblOnRoadDust	HaulingPercentPave	100.00	0.00
tblOnRoadDust	HaulingPercentPave	100.00	0.00

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tblOnRoadDust	HaulingPercentPave	100.00	0.00
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tblOnRoadDust	HaulingPercentPave	100.00	0.00
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tblOnRoadDust	VendorPercentPave	100.00	0.00
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tblOnRoadDust	VendorPercentPave	100.00	0.00
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tblProjectCharacteristics	CO2IntensityFactor	720.49	427.49
tblProjectCharacteristics	OperationalYear	2018	2028
tblTripsAndVMT	VendorTripLength	7.30	0.15
tblTripsAndVMT	VendorTripLength	7.30	0.15
tblTripsAndVMT	VendorTripLength	7.30	0.15
tblTripsAndVMT	VendorTripLength	7.30	0.15

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tblTripsAndVMT	VendorTripLength	7.30	0.15
tblTripsAndVMT	VendorTripLength	7.30	0.15
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tblWoodstoves	NumberCatalytic	6.25	0.00
tblWoodstoves	NumberNoncatalytic	6.25	0.00
tblWoodstoves	WoodstoveDayYear	82.00	0.00
tblWoodstoves	WoodstoveWoodMass	3,019.20	0.00

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2.0 Emissions Summary

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2026	4.8356	2.0365	2.2807	4.1000e-003	0.5930	0.0851	0.6781	0.2380	0.0797	0.3177	0.0000	355.8309	355.8309	0.0884	0.0000	358.0420
2027	4.8677	2.3555	2.7220	4.8200e-003	0.6299	0.0972	0.7270	0.2336	0.0910	0.3246	0.0000	418.0507	418.0507	0.1040	0.0000	420.6512
Maximum	**4.8677**	**2.3555**	**2.7220**	**4.8200e-003**	**0.6299**	**0.0972**	**0.7270**	**0.2380**	**0.0910**	**0.3246**	**0.0000**	**418.0507**	**418.0507**	**0.1040**	**0.0000**	**420.6512**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2026	4.7946	2.0093	2.4146	4.1000e-003	0.2389	0.0616	0.3004	0.0936	0.0578	0.1514	0.0000	355.8305	355.8305	0.0884	0.0000	358.0416
2027	4.8250	2.3457	2.8643	4.8200e-003	0.2554	0.0737	0.3291	0.0921	0.0694	0.1615	0.0000	418.0503	418.0503	0.1040	0.0000	420.6508
Maximum	**4.8250**	**2.3457**	**2.8643**	**4.8200e-003**	**0.2554**	**0.0737**	**0.3291**	**0.0936**	**0.0694**	**0.1615**	**0.0000**	**418.0503**	**418.0503**	**0.1040**	**0.0000**	**420.6508**

	ROG	**NOx**	**CO**	**SO2**	**Fugitive PM10**	**Exhaust PM10**	**PM10 Total**	**Fugitive PM2.5**	**Exhaust PM2.5**	**PM2.5 Total**	**Bio- CO2**	**NBio-CO2**	**Total CO2**	**CH4**	**N20**	**CO2e**
Percent Reduction	**0.86**	**0.84**	**-5.52**	**0.00**	**59.59**	**25.77**	**55.20**	**60.63**	**25.48**	**51.29**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

h

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
11	**4-1-2026**	**6-30-2026**	0.2942	0.2986
12	**7-1-2026**	**9-30-2026**	0.9742	0.9588
13	**10-1-2026**	**12-31-2026**	2.7899	2.7877
14	**1-1-2027**	**3-31-2027**	0.8410	0.8188
15	**4-1-2027**	**6-30-2027**	2.9887	2.9989
16	**7-1-2027**	**9-30-2027**	1.9031	1.8593
		Highest	2.9887	2.9989

h

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	3.2667	0.0574	0.9472	3.5000e-004		8.9300e-003	8.9300e-003		8.9300e-003	8.9300e-003	0.0000	55.6670	55.6670	2.4900e-003	9.9000e-004	56.0251
Energy	0.0192	0.1641	0.0698	1.0500e-003		0.0133	0.0133		0.0133	0.0133	0.0000	400.0637	400.0637	0.0179	6.4300e-003	402.4276
Mobile	0.2471	1.0460	2.9741	0.0119	1.2701	8.4700e-003	1.2785	0.3400	7.8700e-003	0.3479	0.0000	1,100.5417	1,100.5417	0.0533	0.0000	1,101.8753
Waste						0.0000	0.0000		0.0000	0.0000	28.6299	0.0000	28.6299	1.6920	0.0000	70.9292
Water						0.0000	0.0000		0.0000	0.0000	2.5838	31.6241	34.2079	0.2675	6.7100e-003	42.8957
Total	**3.5330**	**1.2675**	**3.9911**	**0.0133**	**1.2701**	**0.0307**	**1.3007**	**0.3400**	**0.0301**	**0.3701**	**31.2137**	**1,587.8965**	**1,619.1102**	**2.0332**	**0.0141**	**1,674.1529**

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	3.2667	0.0574	0.9472	3.5000e-004		8.9300e-003	8.9300e-003		8.9300e-003	8.9300e-003	0.0000	55.6670	55.6670	2.4900e-003	9.9000e-004	56.0251
Energy	0.0192	0.1641	0.0698	1.0500e-003		0.0133	0.0133		0.0133	0.0133	0.0000	400.0637	400.0637	0.0179	6.4300e-003	402.4276
Mobile	0.2471	1.0460	2.9741	0.0119	1.2701	8.4700e-003	1.2785	0.3400	7.8700e-003	0.3479	0.0000	1,100.5417	1,100.5417	0.0533	0.0000	1,101.8753
Waste						0.0000	0.0000		0.0000	0.0000	7.1575	0.0000	7.1575	0.4230	0.0000	17.7323
Water						0.0000	0.0000		0.0000	0.0000	2.0670	25.2993	27.3663	0.2140	5.3700e-003	34.3165
Total	**3.5330**	**1.2675**	**3.9911**	**0.0133**	**1.2701**	**0.0307**	**1.3007**	**0.3400**	**0.0301**	**0.3701**	**9.2245**	**1,581.5717**	**1,590.7962**	**0.7107**	**0.0128**	**1,612.3768**

	ROG	**NOx**	**CO**	**SO2**	**Fugitive PM10**	**Exhaust PM10**	**PM10 Total**	**Fugitive PM2.5**	**Exhaust PM2.5**	**PM2.5 Total**	**Bio- CO2**	**NBio-CO2**	**Total CO2**	**CH4**	**N20**	**CO2e**
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**70.45**	**0.40**	**1.75**	**65.04**	**9.48**	**3.69**

h

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	P6 Site Preperation (mo. 1)	Site Preparation	4/1/2026	4/30/2026	5	22	
2	P6 Building Construction 1 (mo. 2-4)	Building Construction	5/1/2026	7/31/2026	5	66	
3	P6 Architecutal Coating	Architectural Coating	6/1/2026	7/31/2026	5	45	
4	P6 Building Construction 2 (mo. 5)	Building Construction	8/1/2026	8/31/2026	5	21	
5	P6 Paving	Paving	8/1/2026	8/31/2026	5	21	
6	P7 Paving	Paving	8/1/2026	8/31/2026	5	21	
7	P7 Site Preparation (mo. 1)	Site Preparation	9/1/2026	9/30/2026	5	22	
8	P7 Building Construction 1 (mo. 2-4)	Building Construction	10/1/2026	12/31/2026	5	66	
9	P7 Architectural Coating	Architectural Coating	11/1/2026	12/31/2026	5	44	
10	P7 Building Construction 2 (mo. 5)	Building Construction	1/1/2027	1/31/2027	5	21	
11	P8 Paving	Paving	1/1/2027	1/31/2027	5	21	
12	P8 Site Preparation (mo. 1)	Site Preparation	2/1/2027	2/28/2027	5	20	
13	P8 Building Construction 1 (mo. 2-4)	Building Construction	3/1/2027	5/31/2027	5	66	
14	P8 Architectural Coating	Architectural Coating	4/1/2027	5/31/2027	5	43	
15	P8 Building Construction 2 (mo. 5)	Building Construction	6/1/2027	6/30/2027	5	22	
16	P9 Paving	Paving	6/1/2027	6/30/2027	5	22	
17	P9 Site Preparation (mo. 1)	Site Preparation	7/1/2027	7/31/2027	5	22	
18	P9 Building Construction 1 (mo. 2-4)	Building Construction	8/1/2027	10/31/2027	5	65	
19	P9 Architectural Coating	Architectural Coating	9/1/2027	10/31/2027	5	43	
20	P9 Building Construction 2 (mo. 5)	Building Construction	11/1/2027	11/30/2027	5	22	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

Residential Indoor: 1,197,028; Residential Outdoor: 399,009; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking

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OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
P6 Site Preperation (mo. 1)	Cement and Mortar Mixers	1	8.00	9	0.56
P6 Site Preperation (mo. 1)	Graders	1	8.00	187	0.41
P6 Site Preperation (mo. 1)	Pumps	1	8.00	84	0.74
P6 Site Preperation (mo. 1)	Skid Steer Loaders	1	8.00	65	0.37
P6 Site Preperation (mo. 1)	Trenchers	1	8.00	78	0.50
P6 Building Construction 1 (mo. 2-4)	Rough Terrain Forklifts	1	8.00	100	0.40
P6 Building Construction 1 (mo. 2-4)	Tractors/Loaders/Backhoes	1	8.00	97	0.37
P6 Architecutal Coating	Air Compressors	2	6.00	78	0.48
P6 Building Construction 2 (mo. 5)	Cement and Mortar Mixers	1	8.00	9	0.56
P6 Building Construction 2 (mo. 5)	Rough Terrain Forklifts	1	8.00	100	0.40
P6 Building Construction 2 (mo. 5)	Skid Steer Loaders	2	8.00	65	0.37
P6 Paving	Pavers	2	8.00	130	0.42
P6 Paving	Paving Equipment	2	8.00	132	0.36
P6 Paving	Rollers	2	8.00	80	0.38
P7 Paving	Pavers	2	8.00	130	0.42
P7 Paving	Paving Equipment	2	8.00	132	0.36
P7 Paving	Rollers	2	8.00	80	0.38
P7 Site Preparation (mo. 1)	Cement and Mortar Mixers	1	8.00	9	0.56
P7 Site Preparation (mo. 1)	Graders	1	8.00	187	0.41
P7 Site Preparation (mo. 1)	Pumps	1	8.00	84	0.74
P7 Site Preparation (mo. 1)	Skid Steer Loaders	1	8.00	65	0.37
P7 Site Preparation (mo. 1)	Trenchers	1	8.00	78	0.50
P7 Building Construction 1 (mo. 2-4)	Rough Terrain Forklifts	1	8.00	100	0.40
P7 Building Construction 1 (mo. 2-4)	Tractors/Loaders/Backhoes	1	8.00	97	0.37
P7 Architectural Coating	Air Compressors	2	6.00	78	0.48
P7 Building Construction 2 (mo. 5)	Cement and Mortar Mixers	1	8.00	9	0.56
P7 Building Construction 2 (mo. 5)	Rough Terrain Forklifts	1	8.00	100	0.40

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P7 Building Construction 2 (mo. 5)	Skid Steer Loaders	2	8.00	65	0.37
P8 Paving	Pavers	2	8.00	130	0.42
P8 Paving	Paving Equipment	2	8.00	132	0.36
P8 Paving	Rollers	2	8.00	80	0.38
P8 Site Preparation (mo. 1)	Cement and Mortar Mixers	1	8.00	9	0.56
P8 Site Preparation (mo. 1)	Graders	1	8.00	187	0.41
P8 Site Preparation (mo. 1)	Pumps	1	8.00	84	0.74
P8 Site Preparation (mo. 1)	Skid Steer Loaders	1	8.00	65	0.37
P8 Site Preparation (mo. 1)	Trenchers	1	8.00	78	0.50
P8 Building Construction 1 (mo. 2-4)	Rough Terrain Forklifts	1	8.00	100	0.40
P8 Building Construction 1 (mo. 2-4)	Tractors/Loaders/Backhoes	1	8.00	97	0.37
P8 Architectural Coating	Air Compressors	2	6.00	78	0.48
P8 Building Construction 2 (mo. 5)	Cement and Mortar Mixers	1	8.00	9	0.56
P8 Building Construction 2 (mo. 5)	Rough Terrain Forklifts	1	8.00	100	0.40
P8 Building Construction 2 (mo. 5)	Skid Steer Loaders	2	8.00	65	0.37
P9 Paving	Pavers	2	8.00	130	0.42
P9 Paving	Paving Equipment	2	8.00	132	0.36
P9 Paving	Rollers	2	8.00	80	0.38
P9 Site Preparation (mo. 1)	Cement and Mortar Mixers	1	8.00	9	0.56
P9 Site Preparation (mo. 1)	Graders	1	8.00	187	0.41
P9 Site Preparation (mo. 1)	Pumps	1	8.00	84	0.74
P9 Site Preparation (mo. 1)	Skid Steer Loaders	1	8.00	65	0.37
P9 Site Preparation (mo. 1)	Trenchers	1	8.00	78	0.50
P9 Building Construction 1 (mo. 2-4)	Rough Terrain Forklifts	1	8.00	100	0.40
P9 Building Construction 1 (mo. 2-4)	Tractors/Loaders/Backhoes	1	8.00	97	0.37
P9 Architectural Coating	Air Compressors	2	6.00	78	0.48
P9 Building Construction 2 (mo. 5)	Cement and Mortar Mixers	1	8.00	9	0.56
P9 Building Construction 2 (mo. 5)	Rough Terrain Forklifts	1	8.00	100	0.40
P9 Building Construction 2 (mo. 5)	Skid Steer Loaders	2	8.00	65	0.37

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P7 Building Construction 2 (mo. 5)	Cranes	1	7.00	231	0.29
P8 Building Construction 1 (mo. 2-4)	Cranes	1	7.00	231	0.29
P8 Building Construction 2 (mo. 5)	Cranes	1	7.00	231	0.29
P9 Building Construction 1 (mo. 2-4)	Cranes	1	7.00	231	0.29
P6 Building Construction 1 (mo. 2-4)	Cranes	1	7.00	231	0.29
P9 Building Construction 2 (mo. 5)	Cranes	1	7.00	231	0.29
P6 Building Construction 2 (mo. 5)	Cranes	1	7.00	231	0.29
P7 Building Construction 1 (mo. 2-4)	Cranes	1	7.00	231	0.29
P7 Building Construction 2 (mo. 5)	Forklifts	3	8.00	89	0.20
P8 Building Construction 1 (mo. 2-4)	Forklifts	3	8.00	89	0.20
P8 Building Construction 2 (mo. 5)	Forklifts	3	8.00	89	0.20
P9 Building Construction 1 (mo. 2-4)	Forklifts	3	8.00	89	0.20
P6 Building Construction 1 (mo. 2-4)	Forklifts	3	8.00	89	0.20
P9 Building Construction 2 (mo. 5)	Forklifts	3	8.00	89	0.20
P6 Building Construction 2 (mo. 5)	Forklifts	3	8.00	89	0.20
P7 Building Construction 1 (mo. 2-4)	Forklifts	3	8.00	89	0.20
P7 Building Construction 2 (mo. 5)	Generator Sets	1	8.00	84	0.74
P8 Building Construction 1 (mo. 2-4)	Generator Sets	1	8.00	84	0.74
P8 Building Construction 2 (mo. 5)	Generator Sets	1	8.00	84	0.74
P9 Building Construction 1 (mo. 2-4)	Generator Sets	1	8.00	84	0.74
P6 Building Construction 1 (mo. 2-4)	Generator Sets	1	8.00	84	0.74
P9 Building Construction 2 (mo. 5)	Generator Sets	1	8.00	84	0.74
P6 Building Construction 2 (mo. 5)	Generator Sets	1	8.00	84	0.74
P7 Building Construction 1 (mo. 2-4)	Generator Sets	1	8.00	84	0.74
P6 Site Preperation (mo. 1)	Rubber Tired Dozers	3	8.00	247	0.40
P8 Site Preparation (mo. 1)	Rubber Tired Dozers	3	8.00	247	0.40
P9 Site Preparation (mo. 1)	Rubber Tired Dozers	3	8.00	247	0.40
P7 Site Preparation (mo. 1)	Rubber Tired Dozers	3	8.00	247	0.40
P7 Building Construction 2 (mo. 5)	Tractors/Loaders/Backhoes	3	7.00	97	0.37

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P8 Building Construction 2 (mo. 5)	Tractors/Loaders/Backhoes	3	7.00	97	0.37
P9 Building Construction 2 (mo. 5)	Tractors/Loaders/Backhoes	3	7.00	97	0.37
P6 Building Construction 2 (mo. 5)	Tractors/Loaders/Backhoes	3	7.00	97	0.37
P6 Site Preperation (mo. 1)	Tractors/Loaders/Backhoes	4	8.00	97	0.37
P8 Site Preparation (mo. 1)	Tractors/Loaders/Backhoes	4	8.00	97	0.37
P9 Site Preparation (mo. 1)	Tractors/Loaders/Backhoes	4	8.00	97	0.37
P7 Site Preparation (mo. 1)	Tractors/Loaders/Backhoes	4	8.00	97	0.37
P7 Building Construction 2 (mo. 5)	Welders	1	8.00	46	0.45
P8 Building Construction 1 (mo. 2-4)	Welders	1	8.00	46	0.45
P8 Building Construction 2 (mo. 5)	Welders	1	8.00	46	0.45
P9 Building Construction 1 (mo. 2-4)	Welders	1	8.00	46	0.45
P6 Building Construction 1 (mo. 2-4)	Welders	1	8.00	46	0.45
P9 Building Construction 2 (mo. 5)	Welders	1	8.00	46	0.45
P6 Building Construction 2 (mo. 5)	Welders	1	8.00	46	0.45
P7 Building Construction 1 (mo. 2-4)	Welders	1	8.00	46	0.45

h

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
P6 Site Preperation (mo. 1)	12	0.00	0.00	0.00	10.80	0.15	20.00	LD_Mix	HDT_Mix	HHDT
P6 Building Construction 1 (mo. 2-	8	0.00	13.00	0.00	10.80	0.15	20.00	LD_Mix	HDT_Mix	HHDT
P6 Architecutal Coating	2	0.00	0.00	0.00	10.80	0.15	20.00	LD_Mix	HDT_Mix	HHDT
P6 Building Construction 2 (mo. 5)	13	0.00	13.00	0.00	10.80	0.15	20.00	LD_Mix	HDT_Mix	HHDT
P6 Paving	6	0.00	0.00	0.00	10.80	0.15	20.00	LD_Mix	HDT_Mix	HHDT
P7 Paving	6	0.00	0.00	0.00	10.80	0.15	20.00	LD_Mix	HDT_Mix	HHDT
P7 Site Preparation (mo. 1)	12	0.00	0.00	0.00	10.80	0.15	20.00	LD_Mix	HDT_Mix	HHDT
P7 Building Construction 1 (mo. 2-	8	0.00	13.00	0.00	10.80	0.15	20.00	LD_Mix	HDT_Mix	HHDT
P7 Architectural Coating	2	0.00	0.00	0.00	10.80	0.15	20.00	LD_Mix	HDT_Mix	HHDT
P7 Building Construction 2 (mo. 5)	13	0.00	13.00	0.00	10.80	0.15	20.00	LD_Mix	HDT_Mix	HHDT
P8 Paving	6	0.00	0.00	0.00	10.80	0.15	20.00	LD_Mix	HDT_Mix	HHDT
P8 Site Preparation (mo. 1)	12	0.00	0.00	0.00	10.80	0.15	20.00	LD_Mix	HDT_Mix	HHDT
P8 Building Construction 1 (mo. 2-	8	0.00	13.00	0.00	10.80	0.15	20.00	LD_Mix	HDT_Mix	HHDT
P8 Architectural Coating	2	0.00	0.00	0.00	10.80	0.15	20.00	LD_Mix	HDT_Mix	HHDT
P8 Building Construction 2 (mo. 5)	13	0.00	13.00	0.00	10.80	0.15	20.00	LD_Mix	HDT_Mix	HHDT
P9 Paving	6	0.00	0.00	0.00	10.80	0.15	20.00	LD_Mix	HDT_Mix	HHDT
P9 Site Preparation (mo. 1)	12	0.00	0.00	0.00	10.80	0.15	20.00	LD_Mix	HDT_Mix	HHDT
P9 Building Construction 1 (mo. 2-	8	0.00	13.00	0.00	10.80	0.15	20.00	LD_Mix	HDT_Mix	HHDT
P9 Architectural Coating	2	0.00	0.00	0.00	10.80	0.15	20.00	LD_Mix	HDT_Mix	HHDT
P9 Building Construction 2 (mo. 5)	13	0.00	13.00	0.00	10.80	0.15	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Use Soil Stabilizer

Water Exposed Area

Water Unpaved Roads

Reduce Vehicle Speed on Unpaved Roads

Clean Paved Roads

h

3.2 P6 Site Preperation (mo. 1) - 2026

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.1987	0.0000	0.1987	0.1092	0.0000	0.1092	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0385	0.3874	0.3023	6.3000e-004		0.0169	0.0169		0.0156	0.0156	0.0000	55.1912	55.1912	0.0160	0.0000	55.5907
Total	**0.0385**	**0.3874**	**0.3023**	**6.3000e-004**	**0.1987**	**0.0169**	**0.2156**	**0.1092**	**0.0156**	**0.1249**	**0.0000**	**55.1912**	**55.1912**	**0.0160**	**0.0000**	**55.5907**

Unmitigated Construction Off-Site

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

h

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0775	0.0000	0.0775	0.0426	0.0000	0.0426	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0308	0.3517	0.3262	6.3000e-004		0.0125	0.0125		0.0116	0.0116	0.0000	55.1911	55.1911	0.0160	0.0000	55.5906
Total	**0.0308**	**0.3517**	**0.3262**	**6.3000e-004**	**0.0775**	**0.0125**	**0.0900**	**0.0426**	**0.0116**	**0.0542**	**0.0000**	**55.1911**	**55.1911**	**0.0160**	**0.0000**	**55.5906**

Mitigated Construction Off-Site

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

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3.3 P6 Building Construction 1 (mo. 2-4) - 2026

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0412	0.3823	0.4867	8.4000e-004		0.0157	0.0157		0.0148	0.0148	0.0000	71.8296	71.8296	0.0165	0.0000	72.2413
Total	**0.0412**	**0.3823**	**0.4867**	**8.4000e-004**		**0.0157**	**0.0157**		**0.0148**	**0.0148**	**0.0000**	**71.8296**	**71.8296**	**0.0165**	**0.0000**	**72.2413**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	3.8000e-004	0.0216	4.6100e-003	2.0000e-005	0.0844	1.0000e-005	0.0844	8.4300e-003	1.0000e-005	8.4300e-003	0.0000	2.2406	2.2406	2.9000e-004	0.0000	2.2479
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**3.8000e-004**	**0.0216**	**4.6100e-003**	**2.0000e-005**	**0.0844**	**1.0000e-005**	**0.0844**	**8.4300e-003**	**1.0000e-005**	**8.4300e-003**	**0.0000**	**2.2406**	**2.2406**	**2.9000e-004**	**0.0000**	**2.2479**

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Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0404	0.3898	0.4978	8.4000e-004		0.0145	0.0145		0.0137	0.0137	0.0000	71.8295	71.8295	0.0165	0.0000	72.2413
Total	**0.0404**	**0.3898**	**0.4978**	**8.4000e-004**		**0.0145**	**0.0145**		**0.0137**	**0.0137**	**0.0000**	**71.8295**	**71.8295**	**0.0165**	**0.0000**	**72.2413**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	3.8000e-004	0.0216	4.6100e-003	2.0000e-005	0.0362	1.0000e-005	0.0362	3.6100e-003	1.0000e-005	3.6200e-003	0.0000	2.2406	2.2406	2.9000e-004	0.0000	2.2479
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**3.8000e-004**	**0.0216**	**4.6100e-003**	**2.0000e-005**	**0.0362**	**1.0000e-005**	**0.0362**	**3.6100e-003**	**1.0000e-005**	**3.6200e-003**	**0.0000**	**2.2406**	**2.2406**	**2.9000e-004**	**0.0000**	**2.2479**

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3.4 P6 Architecutal Coating - 2026

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	2.3118					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	7.6900e-003	0.0516	0.0814	1.3000e-004		2.3200e-003	2.3200e-003		2.3200e-003	2.3200e-003	0.0000	11.4896	11.4896	6.3000e-004	0.0000	11.5053
Total	**2.3195**	**0.0516**	**0.0814**	**1.3000e-004**		**2.3200e-003**	**2.3200e-003**		**2.3200e-003**	**2.3200e-003**	**0.0000**	**11.4896**	**11.4896**	**6.3000e-004**	**0.0000**	**11.5053**

Unmitigated Construction Off-Site

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

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Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	2.3118					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.4500e-003	0.0477	0.0825	1.3000e-004		1.8000e-004	1.8000e-004		1.8000e-004	1.8000e-004	0.0000	11.4896	11.4896	6.3000e-004	0.0000	11.5053
Total	**2.3142**	**0.0477**	**0.0825**	**1.3000e-004**		**1.8000e-004**	**1.8000e-004**		**1.8000e-004**	**1.8000e-004**	**0.0000**	**11.4896**	**11.4896**	**6.3000e-004**	**0.0000**	**11.5053**

Mitigated Construction Off-Site

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

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3.5 P6 Building Construction 2 (mo. 5) - 2026

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0172	0.1649	0.2251	3.7000e-004		6.5700e-003	6.5700e-003		6.1700e-003	6.1700e-003	0.0000	31.8308	31.8308	8.0400e-003	0.0000	32.0317
Total	**0.0172**	**0.1649**	**0.2251**	**3.7000e-004**		**6.5700e-003**	**6.5700e-003**		**6.1700e-003**	**6.1700e-003**	**0.0000**	**31.8308**	**31.8308**	**8.0400e-003**	**0.0000**	**32.0317**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.2000e-004	6.8700e-003	1.4700e-003	1.0000e-005	0.0268	0.0000	0.0268	2.6800e-003	0.0000	2.6800e-003	0.0000	0.7129	0.7129	9.0000e-005	0.0000	0.7152
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**1.2000e-004**	**6.8700e-003**	**1.4700e-003**	**1.0000e-005**	**0.0268**	**0.0000**	**0.0268**	**2.6800e-003**	**0.0000**	**2.6800e-003**	**0.0000**	**0.7129**	**0.7129**	**9.0000e-005**	**0.0000**	**0.7152**

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Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0160	0.1713	0.2296	3.7000e-004		6.4300e-003	6.4300e-003		6.1200e-003	6.1200e-003	0.0000	31.8307	31.8307	8.0400e-003	0.0000	32.0317
Total	**0.0160**	**0.1713**	**0.2296**	**3.7000e-004**		**6.4300e-003**	**6.4300e-003**		**6.1200e-003**	**6.1200e-003**	**0.0000**	**31.8307**	**31.8307**	**8.0400e-003**	**0.0000**	**32.0317**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.2000e-004	6.8700e-003	1.4700e-003	1.0000e-005	0.0115	0.0000	0.0115	1.1500e-003	0.0000	1.1500e-003	0.0000	0.7129	0.7129	9.0000e-005	0.0000	0.7152
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**1.2000e-004**	**6.8700e-003**	**1.4700e-003**	**1.0000e-005**	**0.0115**	**0.0000**	**0.0115**	**1.1500e-003**	**0.0000**	**1.1500e-003**	**0.0000**	**0.7129**	**0.7129**	**9.0000e-005**	**0.0000**	**0.7152**

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3.6 P6 Paving - 2026

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	9.6100e-003	0.0901	0.1531	2.4000e-004		4.3900e-003	4.3900e-003		4.0400e-003	4.0400e-003	0.0000	21.0202	21.0202	6.8000e-003	0.0000	21.1902
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**9.6100e-003**	**0.0901**	**0.1531**	**2.4000e-004**		**4.3900e-003**	**4.3900e-003**		**4.0400e-003**	**4.0400e-003**	**0.0000**	**21.0202**	**21.0202**	**6.8000e-003**	**0.0000**	**21.1902**

Unmitigated Construction Off-Site

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

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Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	3.5100e-003	0.1054	0.1816	2.4000e-004		3.9000e-004	3.9000e-004		3.9000e-004	3.9000e-004	0.0000	21.0202	21.0202	6.8000e-003	0.0000	21.1902
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**3.5100e-003**	**0.1054**	**0.1816**	**2.4000e-004**		**3.9000e-004**	**3.9000e-004**		**3.9000e-004**	**3.9000e-004**	**0.0000**	**21.0202**	**21.0202**	**6.8000e-003**	**0.0000**	**21.1902**

Mitigated Construction Off-Site

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

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3.7 P7 Paving - 2026

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	9.6100e-003	0.0901	0.1531	2.4000e-004		4.3900e-003	4.3900e-003		4.0400e-003	4.0400e-003	0.0000	21.0202	21.0202	6.8000e-003	0.0000	21.1902
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**9.6100e-003**	**0.0901**	**0.1531**	**2.4000e-004**		**4.3900e-003**	**4.3900e-003**		**4.0400e-003**	**4.0400e-003**	**0.0000**	**21.0202**	**21.0202**	**6.8000e-003**	**0.0000**	**21.1902**

Unmitigated Construction Off-Site

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

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Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	3.5100e-003	0.1054	0.1816	2.4000e-004		3.9000e-004	3.9000e-004		3.9000e-004	3.9000e-004	0.0000	21.0202	21.0202	6.8000e-003	0.0000	21.1902
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**3.5100e-003**	**0.1054**	**0.1816**	**2.4000e-004**		**3.9000e-004**	**3.9000e-004**		**3.9000e-004**	**3.9000e-004**	**0.0000**	**21.0202**	**21.0202**	**6.8000e-003**	**0.0000**	**21.1902**

Mitigated Construction Off-Site

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

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3.8 P7 Site Preparation (mo. 1) - 2026

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.1987	0.0000	0.1987	0.1092	0.0000	0.1092	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0385	0.3874	0.3023	6.3000e-004		0.0169	0.0169		0.0156	0.0156	0.0000	55.1912	55.1912	0.0160	0.0000	55.5907
Total	**0.0385**	**0.3874**	**0.3023**	**6.3000e-004**	**0.1987**	**0.0169**	**0.2156**	**0.1092**	**0.0156**	**0.1249**	**0.0000**	**55.1912**	**55.1912**	**0.0160**	**0.0000**	**55.5907**

Unmitigated Construction Off-Site

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

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Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0775	0.0000	0.0775	0.0426	0.0000	0.0426	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0308	0.3517	0.3262	6.3000e-004		0.0125	0.0125		0.0116	0.0116	0.0000	55.1911	55.1911	0.0160	0.0000	55.5906
Total	**0.0308**	**0.3517**	**0.3262**	**6.3000e-004**	**0.0775**	**0.0125**	**0.0900**	**0.0426**	**0.0116**	**0.0542**	**0.0000**	**55.1911**	**55.1911**	**0.0160**	**0.0000**	**55.5906**

Mitigated Construction Off-Site

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

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3.9 P7 Building Construction 1 (mo. 2-4) - 2026

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0412	0.3823	0.4867	8.4000e-004		0.0157	0.0157		0.0148	0.0148	0.0000	71.8296	71.8296	0.0165	0.0000	72.2413
Total	**0.0412**	**0.3823**	**0.4867**	**8.4000e-004**		**0.0157**	**0.0157**		**0.0148**	**0.0148**	**0.0000**	**71.8296**	**71.8296**	**0.0165**	**0.0000**	**72.2413**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	3.8000e-004	0.0216	4.6100e-003	2.0000e-005	0.0844	1.0000e-005	0.0844	8.4300e-003	1.0000e-005	8.4300e-003	0.0000	2.2406	2.2406	2.9000e-004	0.0000	2.2479
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**3.8000e-004**	**0.0216**	**4.6100e-003**	**2.0000e-005**	**0.0844**	**1.0000e-005**	**0.0844**	**8.4300e-003**	**1.0000e-005**	**8.4300e-003**	**0.0000**	**2.2406**	**2.2406**	**2.9000e-004**	**0.0000**	**2.2479**

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Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0404	0.3898	0.4978	8.4000e-004		0.0145	0.0145		0.0137	0.0137	0.0000	71.8295	71.8295	0.0165	0.0000	72.2413
Total	**0.0404**	**0.3898**	**0.4978**	**8.4000e-004**		**0.0145**	**0.0145**		**0.0137**	**0.0137**	**0.0000**	**71.8295**	**71.8295**	**0.0165**	**0.0000**	**72.2413**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	3.8000e-004	0.0216	4.6100e-003	2.0000e-005	0.0362	1.0000e-005	0.0362	3.6100e-003	1.0000e-005	3.6200e-003	0.0000	2.2406	2.2406	2.9000e-004	0.0000	2.2479
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**3.8000e-004**	**0.0216**	**4.6100e-003**	**2.0000e-005**	**0.0362**	**1.0000e-005**	**0.0362**	**3.6100e-003**	**1.0000e-005**	**3.6200e-003**	**0.0000**	**2.2406**	**2.2406**	**2.9000e-004**	**0.0000**	**2.2479**

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3.10 P7 Architectural Coating - 2026

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	2.3118					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	7.5200e-003	0.0504	0.0796	1.3000e-004		2.2700e-003	2.2700e-003		2.2700e-003	2.2700e-003	0.0000	11.2343	11.2343	6.1000e-004	0.0000	11.2496
Total	**2.3193**	**0.0504**	**0.0796**	**1.3000e-004**		**2.2700e-003**	**2.2700e-003**		**2.2700e-003**	**2.2700e-003**	**0.0000**	**11.2343**	**11.2343**	**6.1000e-004**	**0.0000**	**11.2496**

Unmitigated Construction Off-Site

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

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Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	2.3118					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.4000e-003	0.0466	0.0806	1.3000e-004		1.7000e-004	1.7000e-004		1.7000e-004	1.7000e-004	0.0000	11.2343	11.2343	6.1000e-004	0.0000	11.2496
Total	**2.3142**	**0.0466**	**0.0806**	**1.3000e-004**		**1.7000e-004**	**1.7000e-004**		**1.7000e-004**	**1.7000e-004**	**0.0000**	**11.2343**	**11.2343**	**6.1000e-004**	**0.0000**	**11.2496**

Mitigated Construction Off-Site

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

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3.11 P7 Building Construction 2 (mo. 5) - 2027

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0172	0.1649	0.2251	3.7000e-004		6.5700e-003	6.5700e-003		6.1700e-003	6.1700e-003	0.0000	31.8308	31.8308	8.0400e-003	0.0000	32.0317
Total	**0.0172**	**0.1649**	**0.2251**	**3.7000e-004**		**6.5700e-003**	**6.5700e-003**		**6.1700e-003**	**6.1700e-003**	**0.0000**	**31.8308**	**31.8308**	**8.0400e-003**	**0.0000**	**32.0317**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.2000e-004	6.8100e-003	1.4300e-003	1.0000e-005	0.0268	0.0000	0.0268	2.6800e-003	0.0000	2.6800e-003	0.0000	0.7063	0.7063	9.0000e-005	0.0000	0.7085
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**1.2000e-004**	**6.8100e-003**	**1.4300e-003**	**1.0000e-005**	**0.0268**	**0.0000**	**0.0268**	**2.6800e-003**	**0.0000**	**2.6800e-003**	**0.0000**	**0.7063**	**0.7063**	**9.0000e-005**	**0.0000**	**0.7085**

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Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0160	0.1713	0.2296	3.7000e-004		6.4300e-003	6.4300e-003		6.1200e-003	6.1200e-003	0.0000	31.8307	31.8307	8.0400e-003	0.0000	32.0317
Total	**0.0160**	**0.1713**	**0.2296**	**3.7000e-004**		**6.4300e-003**	**6.4300e-003**		**6.1200e-003**	**6.1200e-003**	**0.0000**	**31.8307**	**31.8307**	**8.0400e-003**	**0.0000**	**32.0317**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.2000e-004	6.8100e-003	1.4300e-003	1.0000e-005	0.0115	0.0000	0.0115	1.1500e-003	0.0000	1.1500e-003	0.0000	0.7063	0.7063	9.0000e-005	0.0000	0.7085
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**1.2000e-004**	**6.8100e-003**	**1.4300e-003**	**1.0000e-005**	**0.0115**	**0.0000**	**0.0115**	**1.1500e-003**	**0.0000**	**1.1500e-003**	**0.0000**	**0.7063**	**0.7063**	**9.0000e-005**	**0.0000**	**0.7085**

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3.12 P8 Paving - 2027

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	9.6100e-003	0.0901	0.1531	2.4000e-004		4.3900e-003	4.3900e-003		4.0400e-003	4.0400e-003	0.0000	21.0202	21.0202	6.8000e-003	0.0000	21.1902
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**9.6100e-003**	**0.0901**	**0.1531**	**2.4000e-004**		**4.3900e-003**	**4.3900e-003**		**4.0400e-003**	**4.0400e-003**	**0.0000**	**21.0202**	**21.0202**	**6.8000e-003**	**0.0000**	**21.1902**

Unmitigated Construction Off-Site

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

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Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	3.5100e-003	0.1054	0.1816	2.4000e-004		3.9000e-004	3.9000e-004		3.9000e-004	3.9000e-004	0.0000	21.0202	21.0202	6.8000e-003	0.0000	21.1902
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**3.5100e-003**	**0.1054**	**0.1816**	**2.4000e-004**		**3.9000e-004**	**3.9000e-004**		**3.9000e-004**	**3.9000e-004**	**0.0000**	**21.0202**	**21.0202**	**6.8000e-003**	**0.0000**	**21.1902**

Mitigated Construction Off-Site

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

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3.13 P8 Site Preparation (mo. 1) - 2027

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.1807	0.0000	0.1807	0.0993	0.0000	0.0993	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0350	0.3522	0.2748	5.7000e-004		0.0153	0.0153		0.0142	0.0142	0.0000	50.1738	50.1738	0.0145	0.0000	50.5370
Total	**0.0350**	**0.3522**	**0.2748**	**5.7000e-004**	**0.1807**	**0.0153**	**0.1960**	**0.0993**	**0.0142**	**0.1135**	**0.0000**	**50.1738**	**50.1738**	**0.0145**	**0.0000**	**50.5370**

Unmitigated Construction Off-Site

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

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Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0705	0.0000	0.0705	0.0387	0.0000	0.0387	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0280	0.3197	0.2965	5.7000e-004		0.0114	0.0114		0.0105	0.0105	0.0000	50.1737	50.1737	0.0145	0.0000	50.5369
Total	**0.0280**	**0.3197**	**0.2965**	**5.7000e-004**	**0.0705**	**0.0114**	**0.0818**	**0.0387**	**0.0105**	**0.0492**	**0.0000**	**50.1737**	**50.1737**	**0.0145**	**0.0000**	**50.5369**

Mitigated Construction Off-Site

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

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3.14 P8 Building Construction 1 (mo. 2-4) - 2027

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0412	0.3823	0.4867	8.4000e-004		0.0157	0.0157		0.0148	0.0148	0.0000	71.8296	71.8296	0.0165	0.0000	72.2413
Total	**0.0412**	**0.3823**	**0.4867**	**8.4000e-004**		**0.0157**	**0.0157**		**0.0148**	**0.0148**	**0.0000**	**71.8296**	**71.8296**	**0.0165**	**0.0000**	**72.2413**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	3.7000e-004	0.0214	4.4900e-003	2.0000e-005	0.0844	0.0000	0.0844	8.4300e-003	0.0000	8.4300e-003	0.0000	2.2197	2.2197	2.8000e-004	0.0000	2.2266
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**3.7000e-004**	**0.0214**	**4.4900e-003**	**2.0000e-005**	**0.0844**	**0.0000**	**0.0844**	**8.4300e-003**	**0.0000**	**8.4300e-003**	**0.0000**	**2.2197**	**2.2197**	**2.8000e-004**	**0.0000**	**2.2266**

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Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0404	0.3898	0.4978	8.4000e-004		0.0145	0.0145		0.0137	0.0137	0.0000	71.8295	71.8295	0.0165	0.0000	72.2413
Total	**0.0404**	**0.3898**	**0.4978**	**8.4000e-004**		**0.0145**	**0.0145**		**0.0137**	**0.0137**	**0.0000**	**71.8295**	**71.8295**	**0.0165**	**0.0000**	**72.2413**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	3.7000e-004	0.0214	4.4900e-003	2.0000e-005	0.0362	0.0000	0.0362	3.6100e-003	0.0000	3.6200e-003	0.0000	2.2197	2.2197	2.8000e-004	0.0000	2.2266
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**3.7000e-004**	**0.0214**	**4.4900e-003**	**2.0000e-005**	**0.0362**	**0.0000**	**0.0362**	**3.6100e-003**	**0.0000**	**3.6200e-003**	**0.0000**	**2.2197**	**2.2197**	**2.8000e-004**	**0.0000**	**2.2266**

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3.15 P8 Architectural Coating - 2027

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	2.3118					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	7.3500e-003	0.0493	0.0778	1.3000e-004		2.2100e-003	2.2100e-003		2.2100e-003	2.2100e-003	0.0000	10.9790	10.9790	6.0000e-004	0.0000	10.9940
Total	**2.3191**	**0.0493**	**0.0778**	**1.3000e-004**		**2.2100e-003**	**2.2100e-003**		**2.2100e-003**	**2.2100e-003**	**0.0000**	**10.9790**	**10.9790**	**6.0000e-004**	**0.0000**	**10.9940**

Unmitigated Construction Off-Site

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

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Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	2.3118					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.3400e-003	0.0456	0.0788	1.3000e-004		1.7000e-004	1.7000e-004		1.7000e-004	1.7000e-004	0.0000	10.9790	10.9790	6.0000e-004	0.0000	10.9940
Total	**2.3141**	**0.0456**	**0.0788**	**1.3000e-004**		**1.7000e-004**	**1.7000e-004**		**1.7000e-004**	**1.7000e-004**	**0.0000**	**10.9790**	**10.9790**	**6.0000e-004**	**0.0000**	**10.9940**

Mitigated Construction Off-Site

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

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3.16 P8 Building Construction 2 (mo. 5) - 2027

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0181	0.1728	0.2358	3.9000e-004		6.8900e-003	6.8900e-003		6.4700e-003	6.4700e-003	0.0000	33.3465	33.3465	8.4200e-003	0.0000	33.5570
Total	**0.0181**	**0.1728**	**0.2358**	**3.9000e-004**		**6.8900e-003**	**6.8900e-003**		**6.4700e-003**	**6.4700e-003**	**0.0000**	**33.3465**	**33.3465**	**8.4200e-003**	**0.0000**	**33.5570**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.2000e-004	7.1400e-003	1.5000e-003	1.0000e-005	0.0281	0.0000	0.0281	2.8100e-003	0.0000	2.8100e-003	0.0000	0.7399	0.7399	9.0000e-005	0.0000	0.7422
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**1.2000e-004**	**7.1400e-003**	**1.5000e-003**	**1.0000e-005**	**0.0281**	**0.0000**	**0.0281**	**2.8100e-003**	**0.0000**	**2.8100e-003**	**0.0000**	**0.7399**	**0.7399**	**9.0000e-005**	**0.0000**	**0.7422**

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Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0168	0.1794	0.2406	3.9000e-004		6.7400e-003	6.7400e-003		6.4100e-003	6.4100e-003	0.0000	33.3465	33.3465	8.4200e-003	0.0000	33.5570
Total	**0.0168**	**0.1794**	**0.2406**	**3.9000e-004**		**6.7400e-003**	**6.7400e-003**		**6.4100e-003**	**6.4100e-003**	**0.0000**	**33.3465**	**33.3465**	**8.4200e-003**	**0.0000**	**33.5570**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.2000e-004	7.1400e-003	1.5000e-003	1.0000e-005	0.0121	0.0000	0.0121	1.2000e-003	0.0000	1.2100e-003	0.0000	0.7399	0.7399	9.0000e-005	0.0000	0.7422
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**1.2000e-004**	**7.1400e-003**	**1.5000e-003**	**1.0000e-005**	**0.0121**	**0.0000**	**0.0121**	**1.2000e-003**	**0.0000**	**1.2100e-003**	**0.0000**	**0.7399**	**0.7399**	**9.0000e-005**	**0.0000**	**0.7422**

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3.17 P9 Paving - 2027

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0101	0.0944	0.1604	2.5000e-004		4.6000e-003	4.6000e-003		4.2400e-003	4.2400e-003	0.0000	22.0212	22.0212	7.1200e-003	0.0000	22.1992
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0101**	**0.0944**	**0.1604**	**2.5000e-004**		**4.6000e-003**	**4.6000e-003**		**4.2400e-003**	**4.2400e-003**	**0.0000**	**22.0212**	**22.0212**	**7.1200e-003**	**0.0000**	**22.1992**

Unmitigated Construction Off-Site

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

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Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	3.6700e-003	0.1104	0.1903	2.5000e-004		4.1000e-004	4.1000e-004		4.1000e-004	4.1000e-004	0.0000	22.0212	22.0212	7.1200e-003	0.0000	22.1992
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**3.6700e-003**	**0.1104**	**0.1903**	**2.5000e-004**		**4.1000e-004**	**4.1000e-004**		**4.1000e-004**	**4.1000e-004**	**0.0000**	**22.0212**	**22.0212**	**7.1200e-003**	**0.0000**	**22.1992**

Mitigated Construction Off-Site

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

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3.18 P9 Site Preparation (mo. 1) - 2027

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.1987	0.0000	0.1987	0.1092	0.0000	0.1092	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0385	0.3874	0.3023	6.3000e-004		0.0169	0.0169		0.0156	0.0156	0.0000	55.1912	55.1912	0.0160	0.0000	55.5907
Total	**0.0385**	**0.3874**	**0.3023**	**6.3000e-004**	**0.1987**	**0.0169**	**0.2156**	**0.1092**	**0.0156**	**0.1249**	**0.0000**	**55.1912**	**55.1912**	**0.0160**	**0.0000**	**55.5907**

Unmitigated Construction Off-Site

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

h

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0775	0.0000	0.0775	0.0426	0.0000	0.0426	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0308	0.3517	0.3262	6.3000e-004		0.0125	0.0125		0.0116	0.0116	0.0000	55.1911	55.1911	0.0160	0.0000	55.5906
Total	**0.0308**	**0.3517**	**0.3262**	**6.3000e-004**	**0.0775**	**0.0125**	**0.0900**	**0.0426**	**0.0116**	**0.0542**	**0.0000**	**55.1911**	**55.1911**	**0.0160**	**0.0000**	**55.5906**

Mitigated Construction Off-Site

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

h

3.19 P9 Building Construction 1 (mo. 2-4) - 2027

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0406	0.3765	0.4793	8.2000e-004		0.0155	0.0155		0.0146	0.0146	0.0000	70.7413	70.7413	0.0162	0.0000	71.1468
Total	**0.0406**	**0.3765**	**0.4793**	**8.2000e-004**		**0.0155**	**0.0155**		**0.0146**	**0.0146**	**0.0000**	**70.7413**	**70.7413**	**0.0162**	**0.0000**	**71.1468**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	3.7000e-004	0.0211	4.4200e-003	2.0000e-005	0.0831	0.0000	0.0831	8.3000e-003	0.0000	8.3000e-003	0.0000	2.1860	2.1860	2.7000e-004	0.0000	2.1929
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**3.7000e-004**	**0.0211**	**4.4200e-003**	**2.0000e-005**	**0.0831**	**0.0000**	**0.0831**	**8.3000e-003**	**0.0000**	**8.3000e-003**	**0.0000**	**2.1860**	**2.1860**	**2.7000e-004**	**0.0000**	**2.1929**

h

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0397	0.3839	0.4903	8.2000e-004		0.0143	0.0143		0.0135	0.0135	0.0000	70.7412	70.7412	0.0162	0.0000	71.1467
Total	**0.0397**	**0.3839**	**0.4903**	**8.2000e-004**		**0.0143**	**0.0143**		**0.0135**	**0.0135**	**0.0000**	**70.7412**	**70.7412**	**0.0162**	**0.0000**	**71.1467**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	3.7000e-004	0.0211	4.4200e-003	2.0000e-005	0.0356	0.0000	0.0356	3.5600e-003	0.0000	3.5600e-003	0.0000	2.1860	2.1860	2.7000e-004	0.0000	2.1929
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**3.7000e-004**	**0.0211**	**4.4200e-003**	**2.0000e-005**	**0.0356**	**0.0000**	**0.0356**	**3.5600e-003**	**0.0000**	**3.5600e-003**	**0.0000**	**2.1860**	**2.1860**	**2.7000e-004**	**0.0000**	**2.1929**

h

3.20 P9 Architectural Coating - 2027

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	2.3118					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	7.3500e-003	0.0493	0.0778	1.3000e-004		2.2100e-003	2.2100e-003		2.2100e-003	2.2100e-003	0.0000	10.9790	10.9790	6.0000e-004	0.0000	10.9940
Total	**2.3191**	**0.0493**	**0.0778**	**1.3000e-004**		**2.2100e-003**	**2.2100e-003**		**2.2100e-003**	**2.2100e-003**	**0.0000**	**10.9790**	**10.9790**	**6.0000e-004**	**0.0000**	**10.9940**

Unmitigated Construction Off-Site

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

h

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	2.3118					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.3400e-003	0.0456	0.0788	1.3000e-004		1.7000e-004	1.7000e-004		1.7000e-004	1.7000e-004	0.0000	10.9790	10.9790	6.0000e-004	0.0000	10.9940
Total	**2.3141**	**0.0456**	**0.0788**	**1.3000e-004**		**1.7000e-004**	**1.7000e-004**		**1.7000e-004**	**1.7000e-004**	**0.0000**	**10.9790**	**10.9790**	**6.0000e-004**	**0.0000**	**10.9940**

Mitigated Construction Off-Site

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

h

3.21 P9 Building Construction 2 (mo. 5) - 2027

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0181	0.1728	0.2358	3.9000e-004		6.8900e-003	6.8900e-003		6.4700e-003	6.4700e-003	0.0000	33.3465	33.3465	8.4200e-003	0.0000	33.5570
Total	**0.0181**	**0.1728**	**0.2358**	**3.9000e-004**		**6.8900e-003**	**6.8900e-003**		**6.4700e-003**	**6.4700e-003**	**0.0000**	**33.3465**	**33.3465**	**8.4200e-003**	**0.0000**	**33.5570**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.2000e-004	7.1400e-003	1.5000e-003	1.0000e-005	0.0281	0.0000	0.0281	2.8100e-003	0.0000	2.8100e-003	0.0000	0.7399	0.7399	9.0000e-005	0.0000	0.7422
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**1.2000e-004**	**7.1400e-003**	**1.5000e-003**	**1.0000e-005**	**0.0281**	**0.0000**	**0.0281**	**2.8100e-003**	**0.0000**	**2.8100e-003**	**0.0000**	**0.7399**	**0.7399**	**9.0000e-005**	**0.0000**	**0.7422**

h

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0168	0.1794	0.2406	3.9000e-004		6.7400e-003	6.7400e-003		6.4100e-003	6.4100e-003	0.0000	33.3465	33.3465	8.4200e-003	0.0000	33.5570
Total	**0.0168**	**0.1794**	**0.2406**	**3.9000e-004**		**6.7400e-003**	**6.7400e-003**		**6.4100e-003**	**6.4100e-003**	**0.0000**	**33.3465**	**33.3465**	**8.4200e-003**	**0.0000**	**33.5570**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.2000e-004	7.1400e-003	1.5000e-003	1.0000e-005	0.0121	0.0000	0.0121	1.2000e-003	0.0000	1.2100e-003	0.0000	0.7399	0.7399	9.0000e-005	0.0000	0.7422
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**1.2000e-004**	**7.1400e-003**	**1.5000e-003**	**1.0000e-005**	**0.0121**	**0.0000**	**0.0121**	**1.2000e-003**	**0.0000**	**1.2100e-003**	**0.0000**	**0.7399**	**0.7399**	**9.0000e-005**	**0.0000**	**0.7422**

APPENDIX B

AERMOD Output Files and Cancer Risk Estimates

```
**
****************************************
**
** AERMOD Input Produced by:
** AERMOD View Ver. 9.3.0
** Lakes Environmental Software Inc.
** Date: 6/8/2017
** File: C:\Lakes\AERMOD View\Proctor Valley Construction HRA\060617
Discrete Refined Residential\0608SS2\0608SS2.ADI
**
****************************************
**
**
****************************************
** AERMOD Control Pathway
****************************************
**
**
CO STARTING
   TITLEONE C:\Lakes\AERMOD View\Proctor Valley Construction HRA\Proctor
Valley
   MODELOPT DFAULT CONC
   AVERTIME 1 PERIOD
   POLLUTID PM_10
   RUNORNOT RUN
   ERRORFIL 0608SS2.err
CO FINISHED
**
****************************************
** AERMOD Source Pathway
****************************************
**
**
SO STARTING
** Source Location **
** Source ID - Type - X Coord. - Y Coord. **
   LOCATION PAREA6       AREAPOLY   509146.400  3617120.500      289.090
** DESCRSRC Polygon Area 6- North Parcel
   LOCATION PAREA7       AREAPOLY   509944.900  3617161.300      305.170
** DESCRSRC North Parcel
   LOCATION PAREA8       AREAPOLY   510948.600  3616326.300      476.030
** DESCRSRC East Parcel
** Source Parameters **
   SRCPARAM PAREA6       8.1141E-07     5.000        12     1.200
   AREAVERT PAREA6       509146.400 3617120.500 509120.600 3617935.200
   AREAVERT PAREA6       508721.750 3617948.900 508721.200 3618333.500
   AREAVERT PAREA6       509521.650 3618333.800 509521.950 3618406.600
   AREAVERT PAREA6       509876.250 3618485.400 510013.500 3618454.400
   AREAVERT PAREA6       510337.750 3618543.100 510332.600 3618341.700
   AREAVERT PAREA6       509924.200 3618330.500 509927.000 3617121.600
   SRCPARAM PAREA7       3.7199E-06     5.000        18     1.200
   AREAVERT PAREA7       509944.900 3617161.300 510062.100 3617119.500
   AREAVERT PAREA7       510735.350 3617129.000 510737.500 3617045.100
   AREAVERT PAREA7       510769.400 3617060.200 510888.450 3616945.900
```

```
   AREAVERT PAREA7       510954.800 3616935.250 511071.100 3616953.700
   AREAVERT PAREA7       511159.700 3616949.800 511159.700 3616908.400
   AREAVERT PAREA7       511027.400 3616880.150 510945.200 3616912.600
   AREAVERT PAREA7       510814.700 3616888.600 510758.300 3616893.600
   AREAVERT PAREA7       510701.600 3616930.700 510332.100 3616925.300
   AREAVERT PAREA7       510328.650 3616726.700 509936.400 3616723.400
   SRCPARAM PAREA8       1.2773E-06     5.000        15     1.200
   AREAVERT PAREA8       510948.600 3616326.300 510950.900 3616726.200
   AREAVERT PAREA8       511161.800 3616731.300 511167.500 3617941.000
   AREAVERT PAREA8       511411.500 3617954.750 511412.700 3618054.200
   AREAVERT PAREA8       511466.650 3618168.700 511465.600 3618384.650
   AREAVERT PAREA8       511488.500 3618409.650 511516.300 3618345.200
   AREAVERT PAREA8       511524.300 3618137.650 511462.500 3618039.650
   AREAVERT PAREA8       511457.800 3617959.900 511580.500 3617953.850
   AREAVERT PAREA8       511580.900 3616337.400

** Variable Emissions Type: "By Hour / Day (HRDOW)"
** Variable Emission Scenario: "Construction Activity"
** WeekDays:
   EMISFACT PAREA6       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA6       HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA6       HRDOW 1.0 1.0 1.0 1.0 1.0 0.0
   EMISFACT PAREA6       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT PAREA6       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA6       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA6       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA6       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT PAREA6       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA6       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA6       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA6       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT PAREA7       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA7       HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA7       HRDOW 1.0 1.0 1.0 1.0 1.0 0.0
   EMISFACT PAREA7       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT PAREA7       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA7       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA7       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA7       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT PAREA7       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA7       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA7       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA7       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT PAREA8       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA8       HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA8       HRDOW 1.0 1.0 1.0 1.0 1.0 0.0
   EMISFACT PAREA8       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
```

```
   EMISFACT PAREA8       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA8       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA8       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA8       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT PAREA8       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA8       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA8       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA8       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   SRCGROUP ALL
SO FINISHED
**
****************************************
** AERMOD Receptor Pathway
****************************************
**
**
RE STARTING
   INCLUDED 0608SS2.rou
RE FINISHED
**
****************************************
** AERMOD Meteorology Pathway
****************************************
**
**
ME STARTING
   SURFFILE "..\..\Proctor Valley Construction HRA.SFC"
   PROFFILE "..\..\Proctor Valley Construction HRA.PFL"
   SURFDATA 23188 2010
   UAIRDATA 3190 2010
   PROFBASE 55.0 METERS
ME FINISHED
**
****************************************
** AERMOD Output Pathway
****************************************
**
**
OU STARTING
   RECTABLE ALLAVE 1ST
   RECTABLE 1 1ST
** Auto-Generated Plotfiles
   PLOTFILE 1 ALL 1ST 0608SS2.AD\01H1GALL.PLT 31
   PLOTFILE PERIOD ALL 0608SS2.AD\PE00GALL.PLT 32
   SUMMFILE 0608SS2.sum
OU FINISHED

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

```
 *** AERMOD - VERSION 16216r ***   *** C:\Lakes\AERMOD View\Proctor
Valley Construction HRA\Proctor Valley  ***        06/08/17
 *** AERMET - VERSION  15181 ***   ***
***        13:07:22

PAGE   1
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL

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

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

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

 **Model Uses RURAL Dispersion Only.

 **Model Uses Regulatory DEFAULT Options:
        1. Stack-tip Downwash.
        2. Model Accounts for ELEVated Terrain Effects.
        3. Use Calms Processing Routine.
        4. Use Missing Data Processing Routine.
        5. No Exponential Decay.

 **Other Options Specified:
        CCVR_Sub - Meteorological data includes CCVR substitutions
        TEMP_Sub - Meteorological data includes TEMP substitutions

 **Model Assumes No FLAGPOLE Receptor Heights.

 **The User Specified a Pollutant Type of:  PM_10

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

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

                with:      0 POINT(s), including
                           0 POINTCAP(s) and      0 POINTHOR(s)
                 and:      0 VOLUME source(s)
                 and:      3 AREA type source(s)
                 and:      0 LINE source(s)
                 and:      0 OPENPIT source(s)
                 and:      0 BUOYANT LINE source(s) with      0 line(s)


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

```
 **The AERMET Input Meteorological Data Version Date:  15181

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

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

 **Misc. Inputs:  Base Elev. for Pot. Temp. Profile (m MSL) =    55.00 ;
Decay Coef. =    0.000     ;  Rot. Angle =     0.0
                  Emission Units = GRAMS/SEC
;  Emission Rate Unit Factor =   0.10000E+07
                  Output Units   = MICROGRAMS/M**3

 **Approximate Storage Requirements of Model =      3.5 MB of RAM.

 **Detailed Error/Message File:   0608SS2.err
 **File for Summary of Results:   0608SS2.sum
```

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** AREAPOLY SOURCE DATA ***

NUMBER SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC /METER**2)	LOCATION OF AREA X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	NUMBER OF VERTS.	INIT. SZ	URBAN SOURCE BY	EMISSION RATE SCALAR VARY
PAREA6	0	0.81141E-06	509146.4	3617120.5	289.1	5.00	12	1.20	NO	HRDOW
PAREA7	0	0.37199E-05	509944.9	3617161.3	305.2	5.00	18	1.20	NO	HRDOW
PAREA8	0	0.12773E-05	510948.6	3616326.3	476.0	5.00	15	1.20	NO	HRDOW

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** SOURCE IDs DEFINING SOURCE GROUPS ***

SRCGROUP ID	SOURCE IDs
ALL	PAREA6 , PAREA7 , PAREA8 ,

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

SOURCE ID = PAREA6 ; SOURCE TYPE = AREAPOLY :

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SUNDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

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

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

 SOURCE ID = PAREA7       ; SOURCE TYPE = AREAPOLY :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - -
                                              DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5
.0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13
.1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .0000E+00   19  .0000E+00   20  .0000E+00   21
.0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5
.0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13
.0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21
.0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5
.0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13
.0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21
.0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
```

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

SOURCE ID = PAREA8 ; SOURCE TYPE = AREAPOLY :

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

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

(509477.0, 3618425.0, 289.2, 782.0, 0.0); (509403.0, 3618404.0, 288.0, 782.0, 0.0);
(509340.0, 3618376.0, 286.2, 782.0, 0.0); (509305.0, 3618372.0, 286.2, 782.0, 0.0);
(509262.0, 3618371.0, 286.5, 782.0, 0.0); (509305.0, 3618358.0, 285.4, 782.0, 0.0);

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

```
           1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
           1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
           1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
           1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
           1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
           1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
           1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
           1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
           1 1 1 1 1 1 1 1 1 1   1 1 1 1 1
```

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

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

1.54, 3.09, 5.14, 8.23, 10.80,

```
 *** AERMOD - VERSION 16216r ***   *** C:\Lakes\AERMOD View\Proctor
Valley Construction HRA\Proctor Valley  ***        06/08/17
 *** AERMET - VERSION  15181 ***   ***
***        13:07:22

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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL

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

   Surface file:   ..\..\Proctor Valley Construction HRA.SFC
Met Version:  15181
   Profile file:   ..\..\Proctor Valley Construction HRA.PFL
   Surface format: FREE
   Profile format: FREE
   Surface station no.:    23188                  Upper air station no.:
3190
                  Name: UNKNOWN                                     Name:
UNKNOWN
                  Year:   2010                                      Year:
2010

 First 24 hours of scalar data
 YR MO DY JDY HR     H0     U*     W*  DT/DZ ZICNV ZIMCH  M-O LEN    Z0
BOWEN ALBEDO  REF WS   WD     HT  REF TA     HT
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - -
 10 01 01   1 01   -2.5  0.056 -9.000 -9.000 -999.   32.      6.4  0.42
1.07   1.00    0.89   48.   10.0  283.1   10.0
 10 01 01   1 02   -2.7  0.059 -9.000 -9.000 -999.   34.      6.9  0.48
1.07   1.00    0.89   62.   10.0  283.1   10.0
 10 01 01   1 03   -2.5  0.056 -9.000 -9.000 -999.   32.      6.4  0.42
1.07   1.00    0.89   45.   10.0  282.5   10.0
 10 01 01   1 04   -2.7  0.059 -9.000 -9.000 -999.   34.      6.9  0.48
1.07   1.00    0.89   79.   10.0  281.9   10.0
 10 01 01   1 05   -0.6  0.026 -9.000 -9.000 -999.   10.      2.9  0.34
1.07   1.00    0.44  356.   10.0  280.9   10.0
 10 01 01   1 06   -2.5  0.056 -9.000 -9.000 -999.   32.      6.4  0.42
1.07   1.00    0.89   45.   10.0  280.9   10.0
 10 01 01   1 07   -2.0  0.056 -9.000 -9.000 -999.   32.      8.1  0.42
1.07   1.00    0.89   47.   10.0  281.9   10.0
 10 01 01   1 08   -1.6  0.059 -9.000 -9.000 -999.   34.     11.7  0.48
1.07   0.49    0.89   78.   10.0  282.5   10.0
 10 01 01   1 09   20.0  0.132  0.299  0.009   48.  115.    -10.4  0.25
1.07   0.30    0.89   24.   10.0  286.4   10.0
 10 01 01   1 10   62.9  0.163  0.574  0.009  109.  158.     -6.3  0.34
1.07   0.23    0.89  351.   10.0  288.1   10.0
 10 01 01   1 11   61.6  0.261  0.739  0.008  237.  320.    -26.1  0.35
1.07   0.21    1.78  311.   10.0  290.9   10.0
 10 01 01   1 12   70.0  0.312  0.881  0.008  354.  419.    -39.4  0.35
1.07   0.20    2.23  313.   10.0  292.5   10.0
 10 01 01   1 13   69.3  0.264  0.945  0.008  441.  326.    -23.9  0.35
1.07   0.20    1.78  305.   10.0  293.6   10.0
```

```
 10 01 01   1 14   59.8  0.310  0.942  0.008  504.  414.    -44.9  0.35
1.07   0.21    2.23  278.   10.0  294.8   10.0
 10 01 01   1 15   40.5  0.398  0.847  0.008  541.  603.   -140.6  0.35
1.07   0.24    3.12  289.   10.0  293.1   10.0
 10 01 01   1 16   21.6  0.290  0.694  0.008  558.  382.   -101.6  0.35
1.07   0.33    2.23  296.   10.0  291.4   10.0
 10 01 01   1 17   -3.5  0.079 -9.000 -9.000 -999.  127.     13.1  0.34
1.07   0.60    1.34  337.   10.0  291.4   10.0
 10 01 01   1 18   -3.7  0.079 -9.000 -9.000 -999.   55.     12.4  0.34
1.07   1.00    1.34  337.   10.0  290.4   10.0
 10 01 01   1 19   -0.5  0.029 -9.000 -9.000 -999.   13.      4.7  0.47
1.07   1.00    0.44  252.   10.0  288.6   10.0
 10 01 01   1 20   -0.4  0.028 -9.000 -9.000 -999.   11.      4.5  0.43
1.07   1.00    0.44  113.   10.0  287.5   10.0
 10 01 01   1 21   -1.6  0.050 -9.000 -9.000 -999.   27.      6.9  0.28
1.07   1.00    0.89  122.   10.0  286.9   10.0
 10 01 01   1 22   -5.4  0.085 -9.000 -9.000 -999.   60.     10.3  0.43
1.07   1.00    1.34   99.   10.0  286.4   10.0
 10 01 01   1 23   -2.2  0.053 -9.000 -9.000 -999.   29.      5.9  0.34
1.07   1.00    0.89  331.   10.0  285.4   10.0
 10 01 01   1 24   -2.5  0.056 -9.000 -9.000 -999.   32.      6.5  0.42
1.07   1.00    0.89   40.   10.0  285.4   10.0


 First hour of profile data
 YR MO DY HR HEIGHT F  WDIR    WSPD AMB_TMP sigmaA  sigmaW  sigmaV
 10 01 01 01   10.0 1   48.    0.89   283.2   30.0  -99.00    0.41

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

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): PAREA6 , PAREA7 , PAREA8 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

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

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
509477.00	3618425.00	0.52039	509403.00	3618404.00	0.54493
509340.00	3618376.00	0.64459	509305.00	3618372.00	0.65545
509262.00	3618371.00	0.64623	509305.00	3618358.00	0.76358

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): PAREA6 , PAREA7 , PAREA8 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

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

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
509477.00	3618425.00	248.66248	(11112408)	509403.00	3618404.00	259.72409	(11112408)
509340.00	3618376.00	272.00731	(11112408)	509305.00	3618372.00	282.98166	(11112408)
509262.00	3618371.00	296.80474	(11112408)	509305.00	3618358.00	281.46329	(11112408)

```
 *** AERMOD - VERSION 16216r ***   *** C:\Lakes\AERMOD View\Proctor
Valley Construction HRA\Proctor Valley  ***        06/08/17
 *** AERMET - VERSION  15181 ***   ***
***        13:07:22

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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL

                                        *** THE SUMMARY OF MAXIMUM PERIOD
( 26304 HRS) RESULTS ***


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


NETWORK
GROUP ID                      AVERAGE CONC                RECEPTOR  (XR,
YR, ZELEV, ZHILL, ZFLAG)  OF TYPE  GRID-ID
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -

ALL       1ST HIGHEST VALUE IS       0.76358 AT (  509305.00,
3618358.00,   285.40,   782.00,    0.00)  DC
          2ND HIGHEST VALUE IS       0.65545 AT (  509305.00,
3618372.00,   286.20,   782.00,    0.00)  DC
          3RD HIGHEST VALUE IS       0.64623 AT (  509262.00,
3618371.00,   286.51,   782.00,    0.00)  DC
          4TH HIGHEST VALUE IS       0.64459 AT (  509340.00,
3618376.00,   286.16,   782.00,    0.00)  DC
          5TH HIGHEST VALUE IS       0.54493 AT (  509403.00,
3618404.00,   288.02,   782.00,    0.00)  DC
          6TH HIGHEST VALUE IS       0.52039 AT (  509477.00,
3618425.00,   289.15,   782.00,    0.00)  DC
          7TH HIGHEST VALUE IS       0.00000 AT (       0.00,
0.00,     0.00,     0.00,    0.00)
          8TH HIGHEST VALUE IS       0.00000 AT (       0.00,
0.00,     0.00,     0.00,    0.00)
          9TH HIGHEST VALUE IS       0.00000 AT (       0.00,
0.00,     0.00,     0.00,    0.00)
         10TH HIGHEST VALUE IS       0.00000 AT (       0.00,
0.00,     0.00,     0.00,    0.00)


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

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** THE SUMMARY OF HIGHEST 1-HR RESULTS ***

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

NETWORK GROUP ID	RECEPTOR (XR, YR, ZELEV, ZHILL, ZFLAG)	AVERAGE CONC OF TYPE	DATE (YYMMDDHH) GRID-ID
ALL	HIGH 1ST HIGH VALUE IS 296.80474 ON 11112408: AT (509262.00, 3618371.00, 286.51, 782.00, 0.00) DC		

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

```
 *** AERMOD - VERSION 16216r ***   *** C:\Lakes\AERMOD View\Proctor
Valley Construction HRA\Proctor Valley  ***        06/08/17
 *** AERMET - VERSION  15181 ***   ***
***        13:07:22

PAGE  14
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL

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

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

 A Total of            0 Fatal Error Message(s)
 A Total of           36 Warning Message(s)
 A Total of          746 Informational Message(s)

 A Total of        26304 Hours Were Processed

 A Total of          421 Calm Hours Identified

 A Total of          325 Missing Hours Identified (  1.24 Percent)


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


    ********   WARNING MESSAGES   ********
 MX W441   14167        METQA: Vert Pot Temp Grad abv ZI set to min .005,
KURDAT=     11081407
 MX W441   14168        METQA: Vert Pot Temp Grad abv ZI set to min .005,
KURDAT=     11081408
 MX W441   14169        METQA: Vert Pot Temp Grad abv ZI set to min .005,
KURDAT=     11081409
 MX W441   14170        METQA: Vert Pot Temp Grad abv ZI set to min .005,
KURDAT=     11081410
 MX W441   14171        METQA: Vert Pot Temp Grad abv ZI set to min .005,
KURDAT=     11081411
 MX W441   14172        METQA: Vert Pot Temp Grad abv ZI set to min .005,
KURDAT=     11081412
 MX W441   14173        METQA: Vert Pot Temp Grad abv ZI set to min .005,
KURDAT=     11081413
 MX W441   14174        METQA: Vert Pot Temp Grad abv ZI set to min .005,
KURDAT=     11081414
 MX W441   14175        METQA: Vert Pot Temp Grad abv ZI set to min .005,
KURDAT=     11081415
 MX W441   14176        METQA: Vert Pot Temp Grad abv ZI set to min .005,
KURDAT=     11081416
 MX W441   14177        METQA: Vert Pot Temp Grad abv ZI set to min .005,
KURDAT=     11081417
 MX W441   14178        METQA: Vert Pot Temp Grad abv ZI set to min .005,
KURDAT=     11081418
 MX W441   14191        METQA: Vert Pot Temp Grad abv ZI set to min .005,
KURDAT=     11081507
```

```
 MX W441   14192        METQA: Vert Pot Temp Grad abv ZI set to min .005,
KURDAT=     11081508
 MX W441   14193        METQA: Vert Pot Temp Grad abv ZI set to min .005,
KURDAT=     11081509
 MX W441   14194        METQA: Vert Pot Temp Grad abv ZI set to min .005,
KURDAT=     11081510
 MX W441   14195        METQA: Vert Pot Temp Grad abv ZI set to min .005,
KURDAT=     11081511
 MX W441   14196        METQA: Vert Pot Temp Grad abv ZI set to min .005,
KURDAT=     11081512
 MX W441   14197        METQA: Vert Pot Temp Grad abv ZI set to min .005,
KURDAT=     11081513
 MX W441   14198        METQA: Vert Pot Temp Grad abv ZI set to min .005,
KURDAT=     11081514
 MX W441   14199        METQA: Vert Pot Temp Grad abv ZI set to min .005,
KURDAT=     11081515
 MX W441   14200        METQA: Vert Pot Temp Grad abv ZI set to min .005,
KURDAT=     11081516
 MX W441   14201        METQA: Vert Pot Temp Grad abv ZI set to min .005,
KURDAT=     11081517
 MX W441   14202        METQA: Vert Pot Temp Grad abv ZI set to min .005,
KURDAT=     11081518
 MX W441   14215        METQA: Vert Pot Temp Grad abv ZI set to min .005,
KURDAT=     11081607
 MX W441   14216        METQA: Vert Pot Temp Grad abv ZI set to min .005,
KURDAT=     11081608
 MX W441   14217        METQA: Vert Pot Temp Grad abv ZI set to min .005,
KURDAT=     11081609
 MX W441   14218        METQA: Vert Pot Temp Grad abv ZI set to min .005,
KURDAT=     11081610
 MX W441   14219        METQA: Vert Pot Temp Grad abv ZI set to min .005,
KURDAT=     11081611
 MX W441   14220        METQA: Vert Pot Temp Grad abv ZI set to min .005,
KURDAT=     11081612
 MX W441   14221        METQA: Vert Pot Temp Grad abv ZI set to min .005,
KURDAT=     11081613
 MX W441   14222        METQA: Vert Pot Temp Grad abv ZI set to min .005,
KURDAT=     11081614
 MX W441   14223        METQA: Vert Pot Temp Grad abv ZI set to min .005,
KURDAT=     11081615
 MX W441   14224        METQA: Vert Pot Temp Grad abv ZI set to min .005,
KURDAT=     11081616
 MX W441   14225        METQA: Vert Pot Temp Grad abv ZI set to min .005,
KURDAT=     11081617
 MX W441   14226        METQA: Vert Pot Temp Grad abv ZI set to min .005,
KURDAT=     11081618

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

```
**
****************************************
**
** AERMOD Input Produced by:
** AERMOD View Ver. 9.3.0
** Lakes Environmental Software Inc.
** Date: 6/7/2017
** File: C:\Lakes\AERMOD View\0607S9No\0607S9No.ADI
**
****************************************
**
**
****************************************
** AERMOD Control Pathway
****************************************
**
**
CO STARTING
   TITLEONE C:\Lakes\AERMOD View\Proctor Valley Construction HRA\Proctor
Valley
   MODELOPT DFAULT CONC
   AVERTIME 1 PERIOD
   POLLUTID PM_10
   RUNORNOT RUN
   ERRORFIL 0606S8NO.ERR
CO FINISHED
**
****************************************
** AERMOD Source Pathway
****************************************
**
**
SO STARTING
** Source Location **
** Source ID - Type - X Coord. - Y Coord. **
   LOCATION PAREA6       AREAPOLY   509146.400  3617120.500      289.090
** DESCRSRC Polygon Area 6- North Parcel
   LOCATION PAREA7       AREAPOLY   509944.900  3617161.300      305.170
** DESCRSRC North Parcel
   LOCATION PAREA8       AREAPOLY   510948.600  3616326.300      476.030
** DESCRSRC East Parcel
** Source Parameters **
   SRCPARAM PAREA6       8.1141E-07     5.000        12     1.200
   AREAVERT PAREA6       509146.400 3617120.500 509120.600 3617935.200
   AREAVERT PAREA6       508721.750 3617948.900 508721.200 3618333.500
   AREAVERT PAREA6       509521.650 3618333.800 509521.950 3618406.600
   AREAVERT PAREA6       509876.250 3618485.400 510013.500 3618454.400
   AREAVERT PAREA6       510337.750 3618543.100 510332.600 3618341.700
   AREAVERT PAREA6       509924.200 3618330.500 509927.000 3617121.600
   SRCPARAM PAREA7       3.7199E-06     5.000        18     1.200
   AREAVERT PAREA7       509944.900 3617161.300 510062.100 3617119.500
   AREAVERT PAREA7       510735.350 3617129.000 510737.500 3617045.100
   AREAVERT PAREA7       510769.400 3617060.200 510888.450 3616945.900
   AREAVERT PAREA7       510954.800 3616935.250 511071.100 3616953.700
```

```
   AREAVERT PAREA7       511159.700 3616949.800 511159.700 3616908.400
   AREAVERT PAREA7       511027.400 3616880.150 510945.200 3616912.600
   AREAVERT PAREA7       510814.700 3616888.600 510758.300 3616893.600
   AREAVERT PAREA7       510701.600 3616930.700 510332.100 3616925.300
   AREAVERT PAREA7       510328.650 3616726.700 509936.400 3616723.400
   SRCPARAM PAREA8       1.2773E-06     5.000        15     1.200
   AREAVERT PAREA8       510948.600 3616326.300 510950.900 3616726.200
   AREAVERT PAREA8       511161.800 3616731.300 511167.500 3617941.000
   AREAVERT PAREA8       511411.500 3617954.750 511412.700 3618054.200
   AREAVERT PAREA8       511466.650 3618168.700 511465.600 3618384.650
   AREAVERT PAREA8       511488.500 3618409.650 511516.300 3618345.200
   AREAVERT PAREA8       511524.300 3618137.650 511462.500 3618039.650
   AREAVERT PAREA8       511457.800 3617959.900 511580.500 3617953.850
   AREAVERT PAREA8       511580.900 3616337.400
   SRCGROUP ALL
SO FINISHED
**
****************************************
** AERMOD Receptor Pathway
****************************************
**
**
RE STARTING
   INCLUDED 0607S9No.rou
RE FINISHED
**
****************************************
** AERMOD Meteorology Pathway
****************************************
**
**
ME STARTING
   SURFFILE "MetData\Proctor Valley Construction HRA.SFC"
   PROFFILE "MetData\Proctor Valley Construction HRA.PFL"
   SURFDATA 23188 2010 SAN_DIEGO/LINDBERGH_FIELD
   UAIRDATA 3190 2010
   SITEDATA 1 2010
   PROFBASE 55.0 METERS
ME FINISHED
**
****************************************
** AERMOD Output Pathway
****************************************
**
**
OU STARTING
   RECTABLE ALLAVE 1ST
   RECTABLE 1 1ST
** Auto-Generated Plotfiles
   PLOTFILE 1 ALL 1ST 0607S9No.AD\01H1GALL.PLT 31
   PLOTFILE PERIOD ALL 0607S9No.AD\PE00GALL.PLT 32
   SUMMFILE 0606S8NO.SUM
OU FINISHED
```

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

```
 *** AERMOD - VERSION 16216r ***   *** C:\Lakes\AERMOD View\Proctor
Valley Construction HRA\Proctor Valley  ***        06/07/17
 *** AERMET - VERSION  15181 ***   ***
***        13:16:52

PAGE   1
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL

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

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

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

 **Model Uses RURAL Dispersion Only.

 **Model Uses Regulatory DEFAULT Options:
         1. Stack-tip Downwash.
         2. Model Accounts for ELEVated Terrain Effects.
         3. Use Calms Processing Routine.
         4. Use Missing Data Processing Routine.
         5. No Exponential Decay.

 **Other Options Specified:
         CCVR_Sub - Meteorological data includes CCVR substitutions
         TEMP_Sub - Meteorological data includes TEMP substitutions

 **Model Assumes No FLAGPOLE Receptor Heights.

 **The User Specified a Pollutant Type of:  PM_10

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

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

                with:      0 POINT(s), including
                           0 POINTCAP(s) and      0 POINTHOR(s)
                 and:      0 VOLUME source(s)
                 and:      3 AREA type source(s)
                 and:      0 LINE source(s)
                 and:      0 OPENPIT source(s)
                 and:      0 BUOYANT LINE source(s) with      0 line(s)


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

```
 **The AERMET Input Meteorological Data Version Date:  15181

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

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

 **Misc. Inputs:  Base Elev. for Pot. Temp. Profile (m MSL) =    55.00 ;
Decay Coef. =    0.000     ;  Rot. Angle =     0.0
                  Emission Units = GRAMS/SEC
;  Emission Rate Unit Factor =   0.10000E+07
                  Output Units   = MICROGRAMS/M**3

 **Approximate Storage Requirements of Model =      3.5 MB of RAM.

 **Detailed Error/Message File:   0606S8NO.ERR
 **File for Summary of Results:   0606S8NO.SUM
```

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** AREAPOLY SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC /METER**2)	LOCATION OF AREA X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	NUMBER OF VERTS.	INIT. SZ	URBAN SOURCE BY	EMISSION RATE SCALAR VARY
PAREA6	0	0.81141E-06	509146.4	3617120.5	289.1	5.00	12	1.20	NO	
PAREA7	0	0.37199E-05	509944.9	3617161.3	305.2	5.00	18	1.20	NO	
PAREA8	0	0.12773E-05	510948.6	3616326.3	476.0	5.00	15	1.20	NO	

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** SOURCE IDs DEFINING SOURCE GROUPS ***

SRCGROUP ID	SOURCE IDs
ALL	PAREA6 , PAREA7 , PAREA8 ,

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

(512040.0, 3618362.0, 302.2, 610.0, 0.0); (512170.0, 3618362.0, 298.5, 610.0, 0.0);

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

```
           1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
           1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
           1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
           1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
           1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
           1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
           1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
           1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
           1 1 1 1 1 1 1 1 1 1   1 1 1 1 1
```

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

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

1.54, 3.09, 5.14, 8.23, 10.80,

```
 *** AERMOD - VERSION 16216r ***   *** C:\Lakes\AERMOD View\Proctor
Valley Construction HRA\Proctor Valley  ***        06/07/17
 *** AERMET - VERSION  15181 ***   ***
***        13:16:52

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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL

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

   Surface file:   MetData\Proctor Valley Construction HRA.SFC
Met Version:  15181
   Profile file:   MetData\Proctor Valley Construction HRA.PFL
   Surface format: FREE
   Profile format: FREE
   Surface station no.:    23188                  Upper air station no.:
3190
                  Name: SAN_DIEGO/LINDBERGH_FIELD                  Name:
UNKNOWN
                  Year:   2010                                     Year:
2010

 First 24 hours of scalar data
 YR MO DY JDY HR     H0     U*     W*  DT/DZ ZICNV ZIMCH  M-O LEN    Z0
BOWEN ALBEDO  REF WS   WD     HT  REF TA     HT
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - -
 10 01 01   1 01   -2.5  0.056 -9.000 -9.000 -999.   32.      6.4  0.42
1.07   1.00    0.89   48.   10.0  283.1   10.0
 10 01 01   1 02   -2.7  0.059 -9.000 -9.000 -999.   34.      6.9  0.48
1.07   1.00    0.89   62.   10.0  283.1   10.0
 10 01 01   1 03   -2.5  0.056 -9.000 -9.000 -999.   32.      6.4  0.42
1.07   1.00    0.89   45.   10.0  282.5   10.0
 10 01 01   1 04   -2.7  0.059 -9.000 -9.000 -999.   34.      6.9  0.48
1.07   1.00    0.89   79.   10.0  281.9   10.0
 10 01 01   1 05   -0.6  0.026 -9.000 -9.000 -999.   10.      2.9  0.34
1.07   1.00    0.44  356.   10.0  280.9   10.0
 10 01 01   1 06   -2.5  0.056 -9.000 -9.000 -999.   32.      6.4  0.42
1.07   1.00    0.89   45.   10.0  280.9   10.0
 10 01 01   1 07   -2.0  0.056 -9.000 -9.000 -999.   32.      8.1  0.42
1.07   1.00    0.89   47.   10.0  281.9   10.0
 10 01 01   1 08   -1.6  0.059 -9.000 -9.000 -999.   34.     11.7  0.48
1.07   0.49    0.89   78.   10.0  282.5   10.0
 10 01 01   1 09   20.0  0.132  0.299  0.009   48.  115.    -10.4  0.25
1.07   0.30    0.89   24.   10.0  286.4   10.0
 10 01 01   1 10   62.9  0.163  0.574  0.009  109.  158.     -6.3  0.34
1.07   0.23    0.89  351.   10.0  288.1   10.0
 10 01 01   1 11   61.6  0.261  0.739  0.008  237.  320.    -26.1  0.35
1.07   0.21    1.78  311.   10.0  290.9   10.0
 10 01 01   1 12   70.0  0.312  0.881  0.008  354.  419.    -39.4  0.35
1.07   0.20    2.23  313.   10.0  292.5   10.0
 10 01 01   1 13   69.3  0.264  0.945  0.008  441.  326.    -23.9  0.35
1.07   0.20    1.78  305.   10.0  293.6   10.0
```

```
 10 01 01   1 14   59.8  0.310  0.942  0.008  504.  414.    -44.9  0.35
1.07   0.21    2.23  278.   10.0  294.8   10.0
 10 01 01   1 15   40.5  0.398  0.847  0.008  541.  603.   -140.6  0.35
1.07   0.24    3.12  289.   10.0  293.1   10.0
 10 01 01   1 16   21.6  0.290  0.694  0.008  558.  382.   -101.6  0.35
1.07   0.33    2.23  296.   10.0  291.4   10.0
 10 01 01   1 17   -3.5  0.079 -9.000 -9.000 -999.  127.     13.1  0.34
1.07   0.60    1.34  337.   10.0  291.4   10.0
 10 01 01   1 18   -3.7  0.079 -9.000 -9.000 -999.   55.     12.4  0.34
1.07   1.00    1.34  337.   10.0  290.4   10.0
 10 01 01   1 19   -0.5  0.029 -9.000 -9.000 -999.   13.      4.7  0.47
1.07   1.00    0.44  252.   10.0  288.6   10.0
 10 01 01   1 20   -0.4  0.028 -9.000 -9.000 -999.   11.      4.5  0.43
1.07   1.00    0.44  113.   10.0  287.5   10.0
 10 01 01   1 21   -1.6  0.050 -9.000 -9.000 -999.   27.      6.9  0.28
1.07   1.00    0.89  122.   10.0  286.9   10.0
 10 01 01   1 22   -5.4  0.085 -9.000 -9.000 -999.   60.     10.3  0.43
1.07   1.00    1.34   99.   10.0  286.4   10.0
 10 01 01   1 23   -2.2  0.053 -9.000 -9.000 -999.   29.      5.9  0.34
1.07   1.00    0.89  331.   10.0  285.4   10.0
 10 01 01   1 24   -2.5  0.056 -9.000 -9.000 -999.   32.      6.5  0.42
1.07   1.00    0.89   40.   10.0  285.4   10.0


 First hour of profile data
 YR MO DY HR HEIGHT F  WDIR    WSPD AMB_TMP sigmaA  sigmaW  sigmaV
 10 01 01 01   10.0 1   48.    0.89   283.2   30.0  -99.00    0.41

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

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): PAREA6 , PAREA7 , PAREA8 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

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

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
512040.00	3618362.00	5.86775	512170.00	3618362.00	5.54518

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): PAREA6 , PAREA7 , PAREA8 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

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

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
512040.00	3618362.00	355.16028	(11020821)	512170.00	3618362.00	319.20347	(12100221)

```
 *** AERMOD - VERSION 16216r ***   *** C:\Lakes\AERMOD View\Proctor
Valley Construction HRA\Proctor Valley  ***        06/07/17
 *** AERMET - VERSION  15181 ***   ***
***        13:16:52

PAGE   9
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL

                                        *** THE SUMMARY OF MAXIMUM PERIOD
( 26304 HRS) RESULTS ***


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


NETWORK
GROUP ID                      AVERAGE CONC                RECEPTOR  (XR,
YR, ZELEV, ZHILL, ZFLAG)  OF TYPE  GRID-ID
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - -

ALL       1ST HIGHEST VALUE IS       5.86775 AT (  512040.00,
3618362.00,   302.18,   610.00,    0.00)  DC
          2ND HIGHEST VALUE IS       5.54518 AT (  512170.00,
3618362.00,   298.46,   610.00,    0.00)  DC
          3RD HIGHEST VALUE IS       0.00000 AT (       0.00,
0.00,     0.00,     0.00,    0.00)
          4TH HIGHEST VALUE IS       0.00000 AT (       0.00,
0.00,     0.00,     0.00,    0.00)
          5TH HIGHEST VALUE IS       0.00000 AT (       0.00,
0.00,     0.00,     0.00,    0.00)
          6TH HIGHEST VALUE IS       0.00000 AT (       0.00,
0.00,     0.00,     0.00,    0.00)
          7TH HIGHEST VALUE IS       0.00000 AT (       0.00,
0.00,     0.00,     0.00,    0.00)
          8TH HIGHEST VALUE IS       0.00000 AT (       0.00,
0.00,     0.00,     0.00,    0.00)
          9TH HIGHEST VALUE IS       0.00000 AT (       0.00,
0.00,     0.00,     0.00,    0.00)
         10TH HIGHEST VALUE IS       0.00000 AT (       0.00,
0.00,     0.00,     0.00,    0.00)


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

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** THE SUMMARY OF HIGHEST 1-HR RESULTS ***

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

NETWORK GROUP ID	RECEPTOR (XR, YR, ZELEV, ZHILL, ZFLAG)	AVERAGE CONC OF TYPE	DATE (YYMMDDHH) GRID-ID
ALL	HIGH 1ST HIGH VALUE IS 355.16028 ON 11020821: AT (512040.00, 3618362.00, 302.18, 610.00, 0.00) DC		

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

```
 *** AERMOD - VERSION 16216r ***   *** C:\Lakes\AERMOD View\Proctor
Valley Construction HRA\Proctor Valley  ***        06/07/17
 *** AERMET - VERSION  15181 ***   ***
***        13:16:52

PAGE  11
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL

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

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

 A Total of            0 Fatal Error Message(s)
 A Total of           36 Warning Message(s)
 A Total of          746 Informational Message(s)

 A Total of        26304 Hours Were Processed

 A Total of          421 Calm Hours Identified

 A Total of          325 Missing Hours Identified (  1.24 Percent)


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


    ********   WARNING MESSAGES   ********
 MX W441   14167        METQA: Vert Pot Temp Grad abv ZI set to min .005,
KURDAT=     11081407
 MX W441   14168        METQA: Vert Pot Temp Grad abv ZI set to min .005,
KURDAT=     11081408
 MX W441   14169        METQA: Vert Pot Temp Grad abv ZI set to min .005,
KURDAT=     11081409
 MX W441   14170        METQA: Vert Pot Temp Grad abv ZI set to min .005,
KURDAT=     11081410
 MX W441   14171        METQA: Vert Pot Temp Grad abv ZI set to min .005,
KURDAT=     11081411
 MX W441   14172        METQA: Vert Pot Temp Grad abv ZI set to min .005,
KURDAT=     11081412
 MX W441   14173        METQA: Vert Pot Temp Grad abv ZI set to min .005,
KURDAT=     11081413
 MX W441   14174        METQA: Vert Pot Temp Grad abv ZI set to min .005,
KURDAT=     11081414
 MX W441   14175        METQA: Vert Pot Temp Grad abv ZI set to min .005,
KURDAT=     11081415
 MX W441   14176        METQA: Vert Pot Temp Grad abv ZI set to min .005,
KURDAT=     11081416
 MX W441   14177        METQA: Vert Pot Temp Grad abv ZI set to min .005,
KURDAT=     11081417
 MX W441   14178        METQA: Vert Pot Temp Grad abv ZI set to min .005,
KURDAT=     11081418
 MX W441   14191        METQA: Vert Pot Temp Grad abv ZI set to min .005,
KURDAT=     11081507
```

```
 MX W441   14192        METQA: Vert Pot Temp Grad abv ZI set to min .005,
KURDAT=     11081508
 MX W441   14193        METQA: Vert Pot Temp Grad abv ZI set to min .005,
KURDAT=     11081509
 MX W441   14194        METQA: Vert Pot Temp Grad abv ZI set to min .005,
KURDAT=     11081510
 MX W441   14195        METQA: Vert Pot Temp Grad abv ZI set to min .005,
KURDAT=     11081511
 MX W441   14196        METQA: Vert Pot Temp Grad abv ZI set to min .005,
KURDAT=     11081512
 MX W441   14197        METQA: Vert Pot Temp Grad abv ZI set to min .005,
KURDAT=     11081513
 MX W441   14198        METQA: Vert Pot Temp Grad abv ZI set to min .005,
KURDAT=     11081514
 MX W441   14199        METQA: Vert Pot Temp Grad abv ZI set to min .005,
KURDAT=     11081515
 MX W441   14200        METQA: Vert Pot Temp Grad abv ZI set to min .005,
KURDAT=     11081516
 MX W441   14201        METQA: Vert Pot Temp Grad abv ZI set to min .005,
KURDAT=     11081517
 MX W441   14202        METQA: Vert Pot Temp Grad abv ZI set to min .005,
KURDAT=     11081518
 MX W441   14215        METQA: Vert Pot Temp Grad abv ZI set to min .005,
KURDAT=     11081607
 MX W441   14216        METQA: Vert Pot Temp Grad abv ZI set to min .005,
KURDAT=     11081608
 MX W441   14217        METQA: Vert Pot Temp Grad abv ZI set to min .005,
KURDAT=     11081609
 MX W441   14218        METQA: Vert Pot Temp Grad abv ZI set to min .005,
KURDAT=     11081610
 MX W441   14219        METQA: Vert Pot Temp Grad abv ZI set to min .005,
KURDAT=     11081611
 MX W441   14220        METQA: Vert Pot Temp Grad abv ZI set to min .005,
KURDAT=     11081612
 MX W441   14221        METQA: Vert Pot Temp Grad abv ZI set to min .005,
KURDAT=     11081613
 MX W441   14222        METQA: Vert Pot Temp Grad abv ZI set to min .005,
KURDAT=     11081614
 MX W441   14223        METQA: Vert Pot Temp Grad abv ZI set to min .005,
KURDAT=     11081615
 MX W441   14224        METQA: Vert Pot Temp Grad abv ZI set to min .005,
KURDAT=     11081616
 MX W441   14225        METQA: Vert Pot Temp Grad abv ZI set to min .005,
KURDAT=     11081617
 MX W441   14226        METQA: Vert Pot Temp Grad abv ZI set to min .005,
KURDAT=     11081618

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

```
**
****************************************
**
** AERMOD Input Produced by:
** AERMOD View Ver. 9.3.0
** Lakes Environmental Software Inc.
** Date: 6/7/2017
** File: C:\Lakes\AERMOD View\0606S10N\0606S10N.ADI
**
****************************************
**
**
****************************************
** AERMOD Control Pathway
****************************************
**
**
CO STARTING
   TITLEONE C:\Lakes\AERMOD View\Proctor Valley Construction HRA\Proctor
Valley
   MODELOPT DFAULT CONC
   AVERTIME 1 PERIOD
   POLLUTID PM_10
   RUNORNOT RUN
   ERRORFIL 0606S10N.err
CO FINISHED
**
****************************************
** AERMOD Source Pathway
****************************************
**
**
SO STARTING
** Source Location **
** Source ID - Type - X Coord. - Y Coord. **
   LOCATION PAREA6       AREAPOLY   509146.400  3617120.500      289.090
** DESCRSRC Polygon Area 6- North Parcel
   LOCATION PAREA7       AREAPOLY   509944.900  3617161.300      305.170
** DESCRSRC North Parcel
   LOCATION PAREA8       AREAPOLY   510948.600  3616326.300      476.030
** DESCRSRC East Parcel
** Source Parameters **
   SRCPARAM PAREA6       8.1141E-07     5.000        12     1.200
   AREAVERT PAREA6       509146.400 3617120.500 509120.600 3617935.200
   AREAVERT PAREA6       508721.750 3617948.900 508721.200 3618333.500
   AREAVERT PAREA6       509521.650 3618333.800 509521.950 3618406.600
   AREAVERT PAREA6       509876.250 3618485.400 510013.500 3618454.400
   AREAVERT PAREA6       510337.750 3618543.100 510332.600 3618341.700
   AREAVERT PAREA6       509924.200 3618330.500 509927.000 3617121.600
   SRCPARAM PAREA7       3.7199E-06     5.000        18     1.200
   AREAVERT PAREA7       509944.900 3617161.300 510062.100 3617119.500
   AREAVERT PAREA7       510735.350 3617129.000 510737.500 3617045.100
   AREAVERT PAREA7       510769.400 3617060.200 510888.450 3616945.900
   AREAVERT PAREA7       510954.800 3616935.250 511071.100 3616953.700
```

```
   AREAVERT PAREA7       511159.700 3616949.800 511159.700 3616908.400
   AREAVERT PAREA7       511027.400 3616880.150 510945.200 3616912.600
   AREAVERT PAREA7       510814.700 3616888.600 510758.300 3616893.600
   AREAVERT PAREA7       510701.600 3616930.700 510332.100 3616925.300
   AREAVERT PAREA7       510328.650 3616726.700 509936.400 3616723.400
   SRCPARAM PAREA8       1.2773E-06     5.000        15     1.200
   AREAVERT PAREA8       510948.600 3616326.300 510950.900 3616726.200
   AREAVERT PAREA8       511161.800 3616731.300 511167.500 3617941.000
   AREAVERT PAREA8       511411.500 3617954.750 511412.700 3618054.200
   AREAVERT PAREA8       511466.650 3618168.700 511465.600 3618384.650
   AREAVERT PAREA8       511488.500 3618409.650 511516.300 3618345.200
   AREAVERT PAREA8       511524.300 3618137.650 511462.500 3618039.650
   AREAVERT PAREA8       511457.800 3617959.900 511580.500 3617953.850
   AREAVERT PAREA8       511580.900 3616337.400
   SRCGROUP ALL
SO FINISHED
**
****************************************
** AERMOD Receptor Pathway
****************************************
**
**
RE STARTING
   INCLUDED 0606S10N.rou
RE FINISHED
**
****************************************
** AERMOD Meteorology Pathway
****************************************
**
**
ME STARTING
   SURFFILE "MetData\Proctor Valley Construction HRA.SFC"
   PROFFILE "MetData\Proctor Valley Construction HRA.PFL"
   SURFDATA 23188 2010 SAN_DIEGO/LINDBERGH_FIELD
   UAIRDATA 3190 2010
   SITEDATA 1 2010
   PROFBASE 55.0 METERS
ME FINISHED
**
****************************************
** AERMOD Output Pathway
****************************************
**
**
OU STARTING
   RECTABLE ALLAVE 1ST
   RECTABLE 1 1ST
** Auto-Generated Plotfiles
   PLOTFILE 1 ALL 1ST 0606S10N.AD\01H1GALL.PLT 31
   PLOTFILE PERIOD ALL 0606S10N.AD\PE00GALL.PLT 32
   SUMMFILE 0606S10N.sum
OU FINISHED
```

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

```
 *** AERMOD - VERSION 16216r ***   *** C:\Lakes\AERMOD View\Proctor
Valley Construction HRA\Proctor Valley  ***        06/07/17
 *** AERMET - VERSION  15181 ***   ***
***        14:12:06

PAGE   1
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL

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

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

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

 **Model Uses RURAL Dispersion Only.

 **Model Uses Regulatory DEFAULT Options:
         1. Stack-tip Downwash.
         2. Model Accounts for ELEVated Terrain Effects.
         3. Use Calms Processing Routine.
         4. Use Missing Data Processing Routine.
         5. No Exponential Decay.

 **Other Options Specified:
         CCVR_Sub - Meteorological data includes CCVR substitutions
         TEMP_Sub - Meteorological data includes TEMP substitutions

 **Model Assumes No FLAGPOLE Receptor Heights.

 **The User Specified a Pollutant Type of:  PM_10

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

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

                with:      0 POINT(s), including
                           0 POINTCAP(s) and      0 POINTHOR(s)
                 and:      0 VOLUME source(s)
                 and:      3 AREA type source(s)
                 and:      0 LINE source(s)
                 and:      0 OPENPIT source(s)
                 and:      0 BUOYANT LINE source(s) with      0 line(s)


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

```
 **The AERMET Input Meteorological Data Version Date:  15181

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

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

 **Misc. Inputs:  Base Elev. for Pot. Temp. Profile (m MSL) =    55.00 ;
Decay Coef. =    0.000     ;  Rot. Angle =     0.0
                  Emission Units = GRAMS/SEC
;  Emission Rate Unit Factor =   0.10000E+07
                  Output Units   = MICROGRAMS/M**3

 **Approximate Storage Requirements of Model =      3.5 MB of RAM.

 **Detailed Error/Message File:   0606S10N.err
 **File for Summary of Results:   0606S10N.sum
```

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** AREAPOLY SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC /METER**2)	LOCATION OF AREA X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	NUMBER OF VERTS.	INIT. SZ	URBAN SOURCE BY	EMISSION RATE SCALAR VARY
PAREA6	0	0.81141E-06	509146.4	3617120.5	289.1	5.00	12	1.20	NO	
PAREA7	0	0.37199E-05	509944.9	3617161.3	305.2	5.00	18	1.20	NO	
PAREA8	0	0.12773E-05	510948.6	3616326.3	476.0	5.00	15	1.20	NO	

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** SOURCE IDs DEFINING SOURCE GROUPS ***

SRCGROUP ID	SOURCE IDs
ALL	PAREA6 , PAREA7 , PAREA8 ,

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

(510800.0, 3619100.0, 305.0, 427.0, 0.0);

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

```
           1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
           1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
           1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
           1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
           1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
           1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
           1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
           1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
           1 1 1 1 1 1 1 1 1 1   1 1 1 1 1
```

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

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

1.54, 3.09, 5.14, 8.23, 10.80,

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

Surface file: MetData\Proctor Valley Construction HRA.SFC Met Version: 15181
Profile file: MetData\Proctor Valley Construction HRA.PFL
Surface format: FREE
Profile format: FREE
Surface station no.: 23188 Upper air station no.: 3190
Name: SAN_DIEGO/LINDBERGH_FIELD Name: UNKNOWN
Year: 2010 Year: 2010

First 24 hours of scalar data

YR	MO	DY	JDY	HR	H0	U*	W*	DT/DZ	ZICNV	ZIMCH	M-O LEN	Z0	BOWEN	ALBEDO	REF	WS	WD	HT	REF	TA	HT
10	01	01	1	01	-2.5	0.056	-9.000	-9.000	-999.	32.	6.4	0.42	1.07	1.00	0.89	48.	10.0	283.1	10.0		
10	01	01	1	02	-2.7	0.059	-9.000	-9.000	-999.	34.	6.9	0.48	1.07	1.00	0.89	62.	10.0	283.1	10.0		
10	01	01	1	03	-2.5	0.056	-9.000	-9.000	-999.	32.	6.4	0.42	1.07	1.00	0.89	45.	10.0	282.5	10.0		
10	01	01	1	04	-2.7	0.059	-9.000	-9.000	-999.	34.	6.9	0.48	1.07	1.00	0.89	79.	10.0	281.9	10.0		
10	01	01	1	05	-0.6	0.026	-9.000	-9.000	-999.	10.	2.9	0.34	1.07	1.00	0.44	356.	10.0	280.9	10.0		
10	01	01	1	06	-2.5	0.056	-9.000	-9.000	-999.	32.	6.4	0.42	1.07	1.00	0.89	45.	10.0	280.9	10.0		
10	01	01	1	07	-2.0	0.056	-9.000	-9.000	-999.	32.	8.1	0.42	1.07	1.00	0.89	47.	10.0	281.9	10.0		
10	01	01	1	08	-1.6	0.059	-9.000	-9.000	-999.	34.	11.7	0.48	1.07	0.49	0.89	78.	10.0	282.5	10.0		
10	01	01	1	09	20.0	0.132	0.299	0.009	48.	115.	-10.4	0.25	1.07	0.30	0.89	24.	10.0	286.4	10.0		
10	01	01	1	10	62.9	0.163	0.574	0.009	109.	158.	-6.3	0.34	1.07	0.23	0.89	351.	10.0	288.1	10.0		
10	01	01	1	11	61.6	0.261	0.739	0.008	237.	320.	-26.1	0.35	1.07	0.21	1.78	311.	10.0	290.9	10.0		
10	01	01	1	12	70.0	0.312	0.881	0.008	354.	419.	-39.4	0.35	1.07	0.20	2.23	313.	10.0	292.5	10.0		
10	01	01	1	13	69.3	0.264	0.945	0.008	441.	326.	-23.9	0.35	1.07	0.20	1.78	305.	10.0	293.6	10.0		

```
 10 01 01   1 14   59.8  0.310  0.942  0.008  504.  414.    -44.9  0.35
1.07   0.21    2.23  278.   10.0  294.8   10.0
 10 01 01   1 15   40.5  0.398  0.847  0.008  541.  603.   -140.6  0.35
1.07   0.24    3.12  289.   10.0  293.1   10.0
 10 01 01   1 16   21.6  0.290  0.694  0.008  558.  382.   -101.6  0.35
1.07   0.33    2.23  296.   10.0  291.4   10.0
 10 01 01   1 17   -3.5  0.079 -9.000 -9.000 -999.  127.     13.1  0.34
1.07   0.60    1.34  337.   10.0  291.4   10.0
 10 01 01   1 18   -3.7  0.079 -9.000 -9.000 -999.   55.     12.4  0.34
1.07   1.00    1.34  337.   10.0  290.4   10.0
 10 01 01   1 19   -0.5  0.029 -9.000 -9.000 -999.   13.      4.7  0.47
1.07   1.00    0.44  252.   10.0  288.6   10.0
 10 01 01   1 20   -0.4  0.028 -9.000 -9.000 -999.   11.      4.5  0.43
1.07   1.00    0.44  113.   10.0  287.5   10.0
 10 01 01   1 21   -1.6  0.050 -9.000 -9.000 -999.   27.      6.9  0.28
1.07   1.00    0.89  122.   10.0  286.9   10.0
 10 01 01   1 22   -5.4  0.085 -9.000 -9.000 -999.   60.     10.3  0.43
1.07   1.00    1.34   99.   10.0  286.4   10.0
 10 01 01   1 23   -2.2  0.053 -9.000 -9.000 -999.   29.      5.9  0.34
1.07   1.00    0.89  331.   10.0  285.4   10.0
 10 01 01   1 24   -2.5  0.056 -9.000 -9.000 -999.   32.      6.5  0.42
1.07   1.00    0.89   40.   10.0  285.4   10.0


 First hour of profile data
 YR MO DY HR HEIGHT F  WDIR    WSPD AMB_TMP sigmaA  sigmaW  sigmaV
 10 01 01 01   10.0 1   48.    0.89   283.2   30.0  -99.00    0.41

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

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): PAREA6 , PAREA7 , PAREA8 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

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

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
510800.00	3619100.00	3.85184			

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): PAREA6 , PAREA7 , PAREA8 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

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

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
510800.00	3619100.00	205.60706	(12022924)				

```
 *** AERMOD - VERSION 16216r ***   *** C:\Lakes\AERMOD View\Proctor
Valley Construction HRA\Proctor Valley  ***       06/07/17
 *** AERMET - VERSION  15181 ***   ***
***        14:12:06

PAGE   9
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL

                                        *** THE SUMMARY OF MAXIMUM PERIOD
( 26304 HRS) RESULTS ***


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


NETWORK
GROUP ID                      AVERAGE CONC               RECEPTOR  (XR,
YR, ZELEV, ZHILL, ZFLAG)  OF TYPE  GRID-ID
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - -

ALL       1ST HIGHEST VALUE IS       3.85184 AT (  510800.00,
3619100.00,  305.00,   427.00,    0.00)  DC
          2ND HIGHEST VALUE IS       0.00000 AT (       0.00,
0.00,     0.00,     0.00,    0.00)
          3RD HIGHEST VALUE IS       0.00000 AT (       0.00,
0.00,     0.00,     0.00,    0.00)
          4TH HIGHEST VALUE IS       0.00000 AT (       0.00,
0.00,     0.00,     0.00,    0.00)
          5TH HIGHEST VALUE IS       0.00000 AT (       0.00,
0.00,     0.00,     0.00,    0.00)
          6TH HIGHEST VALUE IS       0.00000 AT (       0.00,
0.00,     0.00,     0.00,    0.00)
          7TH HIGHEST VALUE IS       0.00000 AT (       0.00,
0.00,     0.00,     0.00,    0.00)
          8TH HIGHEST VALUE IS       0.00000 AT (       0.00,
0.00,     0.00,     0.00,    0.00)
          9TH HIGHEST VALUE IS       0.00000 AT (       0.00,
0.00,     0.00,     0.00,    0.00)
         10TH HIGHEST VALUE IS       0.00000 AT (       0.00,
0.00,     0.00,     0.00,    0.00)


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

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** THE SUMMARY OF HIGHEST 1-HR RESULTS ***

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

NETWORK GROUP ID	RECEPTOR (XR, YR, ZELEV, ZHILL, ZFLAG)	AVERAGE CONC OF TYPE	DATE (YYMMDDHH) GRID-ID
ALL	HIGH 1ST HIGH VALUE IS 205.60706 ON 12022924: AT (510800.00, 3619100.00, 305.00, 427.00, 0.00) DC		

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

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

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

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

 A Total of            0 Fatal Error Message(s)
 A Total of           36 Warning Message(s)
 A Total of          746 Informational Message(s)

 A Total of        26304 Hours Were Processed

 A Total of          421 Calm Hours Identified

 A Total of          325 Missing Hours Identified (  1.24 Percent)


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


    ********   WARNING MESSAGES   ********
 MX W441   14167        METQA: Vert Pot Temp Grad abv ZI set to min .005,
KURDAT=     11081407
 MX W441   14168        METQA: Vert Pot Temp Grad abv ZI set to min .005,
KURDAT=     11081408
 MX W441   14169        METQA: Vert Pot Temp Grad abv ZI set to min .005,
KURDAT=     11081409
 MX W441   14170        METQA: Vert Pot Temp Grad abv ZI set to min .005,
KURDAT=     11081410
 MX W441   14171        METQA: Vert Pot Temp Grad abv ZI set to min .005,
KURDAT=     11081411
 MX W441   14172        METQA: Vert Pot Temp Grad abv ZI set to min .005,
KURDAT=     11081412
 MX W441   14173        METQA: Vert Pot Temp Grad abv ZI set to min .005,
KURDAT=     11081413
 MX W441   14174        METQA: Vert Pot Temp Grad abv ZI set to min .005,
KURDAT=     11081414
 MX W441   14175        METQA: Vert Pot Temp Grad abv ZI set to min .005,
KURDAT=     11081415
 MX W441   14176        METQA: Vert Pot Temp Grad abv ZI set to min .005,
KURDAT=     11081416
 MX W441   14177        METQA: Vert Pot Temp Grad abv ZI set to min .005,
KURDAT=     11081417
 MX W441   14178        METQA: Vert Pot Temp Grad abv ZI set to min .005,
KURDAT=     11081418
 MX W441   14191        METQA: Vert Pot Temp Grad abv ZI set to min .005,
KURDAT=     11081507
```

```
 MX W441   14192        METQA: Vert Pot Temp Grad abv ZI set to min .005,
KURDAT=     11081508
 MX W441   14193        METQA: Vert Pot Temp Grad abv ZI set to min .005,
KURDAT=     11081509
 MX W441   14194        METQA: Vert Pot Temp Grad abv ZI set to min .005,
KURDAT=     11081510
 MX W441   14195        METQA: Vert Pot Temp Grad abv ZI set to min .005,
KURDAT=     11081511
 MX W441   14196        METQA: Vert Pot Temp Grad abv ZI set to min .005,
KURDAT=     11081512
 MX W441   14197        METQA: Vert Pot Temp Grad abv ZI set to min .005,
KURDAT=     11081513
 MX W441   14198        METQA: Vert Pot Temp Grad abv ZI set to min .005,
KURDAT=     11081514
 MX W441   14199        METQA: Vert Pot Temp Grad abv ZI set to min .005,
KURDAT=     11081515
 MX W441   14200        METQA: Vert Pot Temp Grad abv ZI set to min .005,
KURDAT=     11081516
 MX W441   14201        METQA: Vert Pot Temp Grad abv ZI set to min .005,
KURDAT=     11081517
 MX W441   14202        METQA: Vert Pot Temp Grad abv ZI set to min .005,
KURDAT=     11081518
 MX W441   14215        METQA: Vert Pot Temp Grad abv ZI set to min .005,
KURDAT=     11081607
 MX W441   14216        METQA: Vert Pot Temp Grad abv ZI set to min .005,
KURDAT=     11081608
 MX W441   14217        METQA: Vert Pot Temp Grad abv ZI set to min .005,
KURDAT=     11081609
 MX W441   14218        METQA: Vert Pot Temp Grad abv ZI set to min .005,
KURDAT=     11081610
 MX W441   14219        METQA: Vert Pot Temp Grad abv ZI set to min .005,
KURDAT=     11081611
 MX W441   14220        METQA: Vert Pot Temp Grad abv ZI set to min .005,
KURDAT=     11081612
 MX W441   14221        METQA: Vert Pot Temp Grad abv ZI set to min .005,
KURDAT=     11081613
 MX W441   14222        METQA: Vert Pot Temp Grad abv ZI set to min .005,
KURDAT=     11081614
 MX W441   14223        METQA: Vert Pot Temp Grad abv ZI set to min .005,
KURDAT=     11081615
 MX W441   14224        METQA: Vert Pot Temp Grad abv ZI set to min .005,
KURDAT=     11081616
 MX W441   14225        METQA: Vert Pot Temp Grad abv ZI set to min .005,
KURDAT=     11081617
 MX W441   14226        METQA: Vert Pot Temp Grad abv ZI set to min .005,
KURDAT=     11081618

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

Proctor Valley SRP Construction - Residential Cancer Risk (Unmitigated)

**HARP - Air Dispersion Modeling and Risk Tool v17023
**6/8/2017

REC	GRP	X	Y	RISK_SUM	SCENARIO	INH_RISK	
1	ALL	509477	3618425	8.38E-07	5YrCancerDerived_Inh	8.38E-07	
2	ALL	509403	3618404	8.78E-07	5YrCancerDerived_Inh	8.78E-07	
3	ALL	509340	3618376	1.04E-06	5YrCancerDerived_Inh	1.04E-06	
4	ALL	509305	3618372	1.06E-06	5YrCancerDerived_Inh	1.06E-06	*Off-Site MEIR*
5	ALL	509262	3618371	1.04E-06	5YrCancerDerived_Inh	1.04E-06	
6	ALL	509305	3618358	1.23E-06	5YrCancerDerived_Inh	1.23E-06	*On-Site MEIR*

Proctor Valley SRP Construction - Residential Cancer Risk (Mitigated)

**HARP - Air Dispersion Modeling and Risk Tool v17023
**6/8/2017

REC	GRP	X	Y	RISK_SUM	SCENARIO	INH_RISK	
1	ALL	509477	3618425	7.25E-07	5YrCancerDerived_Inh	7.25E-07	
2	ALL	509403	3618404	7.59E-07	5YrCancerDerived_Inh	7.59E-07	
3	ALL	509340	3618376	8.97E-07	5YrCancerDerived_Inh	8.97E-07	
4	ALL	509305	3618372	9.13E-07	5YrCancerDerived_Inh	9.13E-07	*Off-Site MEIR*
5	ALL	509262	3618371	9.00E-07	5YrCancerDerived_Inh	9.00E-07	
6	ALL	509305	3618358	1.06E-06	5YrCancerDerived_Inh	1.06E-06	*On-Site MEIR*

Proctor Valley SRP Construction - Residential Chronic Risk (Unmitigated)

**HARP - Air Dispersion Modeling and Risk Tool v17023
**6/8/2017

REC	GRP	X	Y	SCENARIO	RESP	MAXHI	
1	ALL	509477	3618425	NonCancerChronicDerived_Inh	3.65E-04	3.65E-04	
2	ALL	509403	3618404	NonCancerChronicDerived_Inh	3.83E-04	3.83E-04	
3	ALL	509340	3618376	NonCancerChronicDerived_Inh	4.53E-04	4.53E-04	
4	ALL	509305	3618372	NonCancerChronicDerived_Inh	4.60E-04	4.60E-04	*Off-Site MEIR*
5	ALL	509262	3618371	NonCancerChronicDerived_Inh	4.54E-04	4.54E-04	
6	ALL	509305	3618358	NonCancerChronicDerived_Inh	5.36E-04	5.36E-04	*On-Site MEIR*

Proctor Valley SRP Construction - Residential Chronic Risk (Mitigated)

**HARP - Air Dispersion Modeling and Risk Tool v17023
**6/8/2017

REC	GRP	X	Y	SCENARIO	RESP	MAXHI	
1	ALL	509477	3618425	NonCancerChronicDerived_Inh	3.16E-04	3.16E-04	
2	ALL	509403	3618404	NonCancerChronicDerived_Inh	3.31E-04	3.31E-04	
3	ALL	509340	3618376	NonCancerChronicDerived_Inh	3.91E-04	3.91E-04	
4	ALL	509305	3618372	NonCancerChronicDerived_Inh	3.98E-04	3.98E-04	*Off-Site MEIR*
5	ALL	509262	3618371	NonCancerChronicDerived_Inh	3.92E-04	3.92E-04	
6	ALL	509305	3618358	NonCancerChronicDerived_Inh	4.63E-04	4.63E-04	*On-Site MEIR*

Proctor Valley SRP Construction - Worker Cancer Risk (Unmitigated)

**HARP - Air Dispersion Modeling and Risk Tool v17023
**6/8/2017

REC	GRP	X	Y	RISK_SUM	SCENARIO	INH_RISK
1	ALL	512040	3618362	1.11E-07	5YrCancerDerived_InhSoilDerm	1.11E-07
2	ALL	512170	3618362	1.05E-07	5YrCancerDerived_InhSoilDerm	1.05E-07

Proctor Valley SRP Construction - Worker Cancer Risk (Mitigated)

**HARP - Air Dispersion Modeling and Risk Tool v17023
**6/7/2017

REC	GRP	X	Y	RISK_SUM	SCENARIO	INH_RISK
1	ALL	512040	3618362	9.58E-08	5YrCancerDerived_InhSoilDerm	9.58E-08
2	ALL	512170	3618362	9.05E-08	5YrCancerDerived_InhSoilDerm	9.05E-08

Proctor Valley SRP Construction - Worker Chronic Risk (Unmitigated)

**HARP - Air Dispersion Modeling and Risk Tool v17023
**6/8/2017

REC	GRP	X	Y	SCENARIO	RESP	MAXHI
1	ALL	512040	3618362	NonCancerChronicDerived_InhSoilDerm	1.72E-03	1.72E-03
2	ALL	512170	3618362	NonCancerChronicDerived_InhSoilDerm	1.62E-03	1.62E-03

Proctor Valley SRP Construction - Worker Chronic Risk (Mitigated)

**HARP - Air Dispersion Modeling and Risk Tool v17023
**6/7/2017

REC	GRP	X	Y	SCENARIO	RESP	MAXHI
1	ALL	512040	3618362	NonCancerChronicDerived_InhSoilDerm	1.48E-03	1.48E-03
2	ALL	512170	3618362	NonCancerChronicDerived_InhSoilDerm	1.40E-03	1.40E-03

Proctor Valley SRP Construction - School Cancer Risk (Unmitigated)

**HARP - Air Dispersion Modeling and Risk Tool v17023
**6/7/2017

REC	GRP	X	Y	RISK_SUM	SCENARIO	INH_RISK
1	ALL	510800	3619100	3.23E-06	5YrCancerDerived_Inh	3.23E-06

Proctor Valley SRP Construction - School Cancer Risk (Mitigated)

**HARP - Air Dispersion Modeling and Risk Tool v17023
**6/7/2017

REC	GRP	X	Y	RISK_SUM	SCENARIO	INH_RISK
1	ALL	510800	3619100	2.23E-06	5YrCancerDerived_Inh	2.23E-06

Proctor Valley SRP Construction - School Chronic Risk (Unmitigated)

**HARP - Air Dispersion Modeling and Risk Tool v17023
**6/7/2017

REC	GRP	X	Y	SCENARIO	RESP	MAXHI
1	ALL	510800	3619100	NonCancerChronicDerived_Inh	1.41E-03	1.41E-03

Proctor Valley SRP Construction - School Chronic Risk (Mitigated)

**HARP - Air Dispersion Modeling and Risk Tool v17023
**6/7/2017

REC	GRP	X	Y	SCENARIO	RESP	MAXHI
1	ALL	510800	3619100	NonCancerChronicDerived_Inh	9.74E-04	9.74E-04