DPW Reaches 101-105, 108-110, 112-121 - Los Angeles-South Coast County, Winter

DPW Reaches 101-105, 108-110, 112-121

Los Angeles-South Coast County, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
User Defined Industrial	1.00	User Defined Unit	698.00	0.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	33
Climate Zone	9			**Operational Year**	2019
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	702.44	**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 reaches acreage

Construction Phase - .

Off-road Equipment - 2 Exc

8 hand-held

Off-road Equipment - 1 exc, 1 loader, 8 handheld

Off-road Equipment - 1 dozer, 2 loader, 2 exc, 1 machine-mower (other material), 12 hand-held

Off-road Equipment - 1 dozer, 1 loader, 1 material-handling, 9 general

Off-road Equipment - 1 loader, 8 other general industrial

Off-road Equipment - 1 loader, 2 exc, 4 handheld

Off-road Equipment - 1 loader, 2 mowers, 7 handheld

Off-road Equipment - 1 loader, 1 mower, 2 exc, 8 handheld

Off-road Equipment - 1 loader, 6 handheld

Off-road Equipment - 2 loaders, 1 mower, 2 exc, 28 handheld

Off-road Equipment - 2 dozers, 1 loader, 6 mowers, 2 exc, 22 handheld

Off-road Equipment - . 1 loader, 1 exc, 7 handheld

Off-road Equipment - No Equipment.

Trips and VMT - .

Grading - .

Construction Off-road Equipment Mitigation - Tier 3 for equipment over 50 HP

Table Name	Column Name	Default Value	New Value
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	14.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	12.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	13.00
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstructionPhase	NumDays	420.00	15.00
tblConstructionPhase	NumDays	420.00	3.00
tblConstructionPhase	NumDays	420.00	15.00
tblConstructionPhase	NumDays	420.00	15.00
tblConstructionPhase	NumDays	420.00	40.00
tblConstructionPhase	NumDays	420.00	5.00
tblConstructionPhase	NumDays	420.00	3.00
tblConstructionPhase	NumDays	420.00	60.00
tblConstructionPhase	NumDays	420.00	2.00
tblConstructionPhase	NumDays	420.00	15.00
tblConstructionPhase	NumDays	420.00	4.00

tblConstructionPhase	NumDays	420.00	1.00
tblConstructionPhase	NumDays	420.00	5.00
tblGrading	MaterialExported	0.00	250.00
tblGrading	MaterialExported	0.00	6,000.00
tblGrading	MaterialExported	0.00	600.00
tblGrading	MaterialExported	0.00	450.00
tblGrading	MaterialExported	0.00	400.00
tblGrading	MaterialExported	0.00	750.00
tblGrading	MaterialExported	0.00	1,528.00
tblGrading	MaterialExported	0.00	750.00
tblGrading	MaterialExported	0.00	100.00
tblGrading	MaterialExported	0.00	700.00
tblLandUse	LotAcreage	0.00	698.00
tblOffRoadEquipment	HorsePower	88.00	6.00
tblOffRoadEquipment	HorsePower	88.00	6.00
tblOffRoadEquipment	HorsePower	88.00	6.00
tblOffRoadEquipment	HorsePower	88.00	6.00
tblOffRoadEquipment	HorsePower	88.00	6.00
tblOffRoadEquipment	HorsePower	88.00	6.00
tblOffRoadEquipment	HorsePower	88.00	6.00
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tblOffRoadEquipment	HorsePower	88.00	6.00
tblOffRoadEquipment	HorsePower	88.00	6.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00

tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	0.00
tblTripsAndVMT	HaulingTripNumber	31.00	50.00
tblTripsAndVMT	HaulingTripNumber	750.00	1,200.00
tblTripsAndVMT	HaulingTripNumber	75.00	120.00
tblTripsAndVMT	HaulingTripNumber	56.00	180.00
tblTripsAndVMT	HaulingTripNumber	50.00	80.00

tblTripsAndVMT	HaulingTripNumber	94.00	150.00
tblTripsAndVMT	HaulingTripNumber	191.00	306.00
tblTripsAndVMT	HaulingTripNumber	94.00	150.00
tblTripsAndVMT	HaulingTripNumber	94.00	0.00
tblTripsAndVMT	HaulingTripNumber	13.00	20.00
tblTripsAndVMT	HaulingTripNumber	88.00	140.00
tblTripsAndVMT	HaulingTripNumber	88.00	0.00
tblTripsAndVMT	WorkerTripNumber	23.00	20.00
tblTripsAndVMT	WorkerTripNumber	25.00	12.00
tblTripsAndVMT	WorkerTripNumber	30.00	16.00
tblTripsAndVMT	WorkerTripNumber	18.00	30.00
tblTripsAndVMT	WorkerTripNumber	83.00	36.00
tblTripsAndVMT	WorkerTripNumber	25.00	20.00
tblTripsAndVMT	WorkerTripNumber	83.00	40.00
tblTripsAndVMT	WorkerTripNumber	25.00	12.00
tblTripsAndVMT	WorkerTripNumber	45.00	20.00
tblTripsAndVMT	WorkerTripNumber	30.00	12.00
tblTripsAndVMT	WorkerTripNumber	30.00	0.00
tblTripsAndVMT	WorkerTripNumber	18.00	12.00
tblTripsAndVMT	WorkerTripNumber	18.00	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					

2018	11.4234	111.4036	84.4639	0.1683	13.9387	6.9178	20.3458	7.1143	6.3654	13.0107	0.0000	17,411.4465	17,411.4465	3.5871	0.0000	17,500.6692
2019	6.0650	56.4566	46.3316	0.0759	12.5158	2.8819	15.3977	6.7455	2.6515	9.3970	0.0000	7,545.2049	7,545.2049	2.2092	0.0000	7,600.4338
Maximum	**11.4234**	**111.4036**	**84.4639**	**0.1683**	**13.9387**	**6.9178**	**20.3458**	**7.1143**	**6.3654**	**13.0107**	**0.0000**	**17,411.4465**	**17,411.4465**	**3.5871**	**0.0000**	**17,500.6692**

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					
2018	8.1887	85.4433	87.6543	0.1683	6.5784	4.6395	11.1718	3.0738	4.2763	7.3068	0.0000	17,411.4465	17,411.4465	3.5871	0.0000	17,500.6692
2019	1.8541	8.3526	50.4405	0.0759	5.1678	0.4095	5.5773	2.7069	0.3854	3.0923	0.0000	7,545.2049	7,545.2049	2.2092	0.0000	7,600.4338
Maximum	**8.1887**	**85.4433**	**87.6543**	**0.1683**	**6.5784**	**4.6395**	**11.1718**	**3.0738**	**4.2763**	**7.3068**	**0.0000**	**17,411.4465**	**17,411.4465**	**3.5871**	**0.0000**	**17,500.6692**

	ROG	NOx	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	**42.57**	**44.12**	**-5.58**	**0.00**	**55.60**	**48.48**	**53.14**	**58.29**	**48.30**	**53.59**	**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	1.0000e-005	0.0000	1.0000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		2.2000e-004	2.2000e-004	0.0000		2.3000e-004
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	**1.0000e-005**	**0.0000**	**1.0000e-004**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**		**2.2000e-004**	**2.2000e-004**	**0.0000**	**0.0000**	**2.3000e-004**

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	1.0000e-005	0.0000	1.0000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		2.2000e-004	2.2000e-004	0.0000		2.3000e-004
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	**1.0000e-005**	**0.0000**	**1.0000e-004**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**		**2.2000e-004**	**2.2000e-004**	**0.0000**	**0.0000**	**2.3000e-004**

	ROG	NOx	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	Reach 115	Site Preparation	2/9/2018	3/1/2018	5	15	
2	Reach 101	Site Preparation	9/1/2018	9/7/2018	5	5	
3	Site Preparation	Site Preparation	9/1/2018	9/5/2018	5	3	
4	Reach 113	Site Preparation	9/1/2018	11/23/2018	5	60	
5	Reach 102	Site Preparation	9/8/2018	9/11/2018	5	2	
6	Reach 103	Site Preparation	9/12/2018	10/2/2018	5	15	

7	Reach 104	Site Preparation	10/3/2018	10/8/2018	5	4	
8	Reach 105	Site Preparation	10/9/2018	10/9/2018	5	1	
9	Reach 108	Site Preparation	10/10/2018	10/16/2018	5	5	
10	Reach 109	Site Preparation	10/17/2018	10/19/2018	5	3	
11	Reach 110	Site Preparation	10/20/2018	11/9/2018	5	15	
12	Reach 112	Site Preparation	11/24/2018	12/14/2018	5	15	
13	Reach 114	Site Preparation	12/15/2018	2/8/2019	5	40	

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
Reach 115	Excavators	1	8.00	158	0.38
Reach 115	Other General Industrial Equipment	7	8.00	6	0.34
Reach 115	Rubber Tired Dozers	0	8.00	247	0.40
Reach 115	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Reach 101	Excavators	2	8.00	158	0.38
Reach 101	Other General Industrial Equipment	8	8.00	6	0.34
Reach 101	Rubber Tired Dozers	0	8.00	247	0.40
Reach 101	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Reach 114	Excavators	2	8.00	158	0.38
Reach 114	Other General Industrial Equipment	22	8.00	6	0.34
Reach 114	Other Material Handling Equipment	6	8.00	168	0.40
Reach 114	Rubber Tired Dozers	2	8.00	247	0.40
Reach 114	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Site Preparation	Rubber Tired Dozers	0	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	0	8.00	97	0.37

Reach 102	Excavators	1	8.00	158	0.38
Reach 102	Other General Industrial Equipment	8	8.00	6	0.34
Reach 102	Rubber Tired Dozers	0	8.00	247	0.40
Reach 102	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Reach 103	Excavators	2	8.00	158	0.38
Reach 103	Other General Industrial Equipment	12	8.00	6	0.34
Reach 103	Other Material Handling Equipment	1	8.00	168	0.40
Reach 103	Rubber Tired Dozers	1	8.00	247	0.40
Reach 103	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Reach 104	Concrete/Industrial Saws	0		81	0.73
Reach 104	Excavators	0		158	0.38
Reach 104	Other General Industrial Equipment	9	8.00	6	0.34
Reach 104	Other Material Handling Equipment	1	8.00	168	0.40
Reach 104	Rubber Tired Dozers	1	8.00	247	0.40
Reach 104	Rubber Tired Dozers	0	8.00	247	0.40
Reach 104	Rubber Tired Dozers	0	8.00	247	0.40
Reach 104	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Reach 104	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Reach 105	Other General Industrial Equipment	8	8.00	6	0.34
Reach 105	Rubber Tired Dozers	0	8.00	247	0.40
Reach 105	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Reach 108	Excavators	2	8.00	158	0.38
Reach 108	Other General Industrial Equipment	4	8.00	6	0.34
Reach 108	Rubber Tired Dozers	0	8.00	247	0.40
Reach 108	Rubber Tired Dozers	0	8.00	247	0.40
Reach 108	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Reach 108	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Reach 109	Other General Industrial Equipment	7	8.00	6	0.34
Reach 109	Other Material Handling Equipment	2	8.00	168	0.40
Reach 109	Rubber Tired Dozers	0	8.00	247	0.40

Reach 109	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Reach 110	Excavators	2	8.00	158	0.38
Reach 110	Other General Industrial Equipment	8	8.00	6	0.34
Reach 110	Other Material Handling Equipment	1	8.00	168	0.40
Reach 110	Rubber Tired Dozers	0	8.00	247	0.40
Reach 110	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Reach 112	Other General Industrial Equipment	6	8.00	6	0.34
Reach 112	Rubber Tired Dozers	0	8.00	247	0.40
Reach 112	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Reach 113	Excavators	2	8.00	158	0.38
Reach 113	Other General Industrial Equipment	28	6.00	88	0.34
Reach 113	Other Material Handling Equipment	1	8.00	168	0.40
Reach 113	Rubber Tired Dozers	0	8.00	247	0.40
Reach 113	Tractors/Loaders/Backhoes	2	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
Reach 115	9	20.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Reach 101	10	20.00	0.00	180.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Reach 114	33	36.00	0.00	120.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	0	0.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Reach 102	10	12.00	0.00	150.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Reach 103	18	20.00	0.00	306.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Reach 104	12	12.00	0.00	150.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Reach 104	12	0.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Reach 105	9	23.00	0.00	20.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Reach 108	7	12.00	0.00	140.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Reach 108	7	0.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Reach 109	10	12.00	0.00	50.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

Reach 110	12	16.00	0.00	1,200.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Reach 112	7	30.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Reach 113	33	40.00	0.00	80.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Water Exposed Area

3.2 Reach 115 - 2018

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	0.8460	6.9795	7.0800	9.6400e-003		0.4406	0.4406		0.4054	0.4054		970.0353	970.0353	0.3020		977.5849
Total	**0.8460**	**6.9795**	**7.0800**	**9.6400e-003**	**0.0000**	**0.4406**	**0.4406**	**0.0000**	**0.4054**	**0.4054**		**970.0353**	**970.0353**	**0.3020**		**977.5849**

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	0.1223	0.0923	0.9945	2.3700e-003	0.2236	1.9900e-003	0.2256	0.0593	1.8400e-003	0.0611		236.1152	236.1152	8.8900e-003		236.3373
Total	**0.1223**	**0.0923**	**0.9945**	**2.3700e-003**	**0.2236**	**1.9900e-003**	**0.2256**	**0.0593**	**1.8400e-003**	**0.0611**		**236.1152**	**236.1152**	**8.8900e-003**		**236.3373**

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	0.3923	1.6938	7.7277	9.6400e-003		0.1177	0.1177		0.1094	0.1094	0.0000	970.0353	970.0353	0.3020		977.5849
Total	**0.3923**	**1.6938**	**7.7277**	**9.6400e-003**	**0.0000**	**0.1177**	**0.1177**	**0.0000**	**0.1094**	**0.1094**	**0.0000**	**970.0353**	**970.0353**	**0.3020**		**977.5849**

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	0.1223	0.0923	0.9945	2.3700e-003	0.2236	1.9900e-003	0.2256	0.0593	1.8400e-003	0.0611		236.1152	236.1152	8.8900e-003		236.3373
Total	**0.1223**	**0.0923**	**0.9945**	**2.3700e-003**	**0.2236**	**1.9900e-003**	**0.2256**	**0.0593**	**1.8400e-003**	**0.0611**		**236.1152**	**236.1152**	**8.8900e-003**		**236.3373**

3.3 Reach 101 - 2018

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					0.0102	0.0000	0.0102	1.5400e-003	0.0000	1.5400e-003			0.0000			0.0000
Off-Road	0.9106	7.6248	8.2286	0.0119		0.4194	0.4194		0.3858	0.3858		1,196.5121	1,196.5121	0.3725		1,205.8244
Total	**0.9106**	**7.6248**	**8.2286**	**0.0119**	**0.0102**	**0.4194**	**0.4295**	**1.5400e-003**	**0.3858**	**0.3874**		**1,196.5121**	**1,196.5121**	**0.3725**		**1,205.8244**

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	0.3664	11.7896	2.5744	0.0287	0.6294	0.0451	0.6745	0.1725	0.0432	0.2157		3,099.4674	3,099.4674	0.2255		3,105.1042
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	0.1223	0.0923	0.9945	2.3700e-003	0.2236	1.9900e-003	0.2256	0.0593	1.8400e-003	0.0611		236.1152	236.1152	8.8900e-003		236.3373
Total	**0.4887**	**11.8819**	**3.5690**	**0.0311**	**0.8529**	**0.0471**	**0.9001**	**0.2318**	**0.0450**	**0.2768**		**3,335.5826**	**3,335.5826**	**0.2344**		**3,341.4415**

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					3.9700e-003	0.0000	3.9700e-003	6.0000e-004	0.0000	6.0000e-004			0.0000			0.0000
Off-Road	0.4594	1.9837	9.5133	0.0119		0.1360	0.1360		0.1265	0.1265	0.0000	1,196.5121	1,196.5121	0.3725		1,205.8244
Total	**0.4594**	**1.9837**	**9.5133**	**0.0119**	**3.9700e-003**	**0.1360**	**0.1400**	**6.0000e-004**	**0.1265**	**0.1271**	**0.0000**	**1,196.5121**	**1,196.5121**	**0.3725**		**1,205.8244**

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	0.3664	11.7896	2.5744	0.0287	0.6294	0.0451	0.6745	0.1725	0.0432	0.2157		3,099.4674	3,099.4674	0.2255		3,105.1042
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	0.1223	0.0923	0.9945	2.3700e-003	0.2236	1.9900e-003	0.2256	0.0593	1.8400e-003	0.0611		236.1152	236.1152	8.8900e-003		236.3373
Total	**0.4887**	**11.8819**	**3.5690**	**0.0311**	**0.8529**	**0.0471**	**0.9001**	**0.2318**	**0.0450**	**0.2768**		**3,335.5826**	**3,335.5826**	**0.2344**		**3,341.4415**

3.4 Site Preparation - 2018

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	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**		**0.0000**

Unmitigated Construction Off-Site

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

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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**

3.5 Reach 113 - 2018

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					7.5000e-004	0.0000	7.5000e-004	1.1000e-004	0.0000	1.1000e-004			0.0000			0.0000
Off-Road	7.6734	70.3054	57.9950	0.0760		5.2180	5.2180		4.8006	4.8006		7,657.0936	7,657.0936	2.3838		7,716.6875
Total	**7.6734**	**70.3054**	**57.9950**	**0.0760**	**7.5000e-004**	**5.2180**	**5.2188**	**1.1000e-004**	**4.8006**	**4.8007**		**7,657.0936**	**7,657.0936**	**2.3838**		**7,716.6875**

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	0.0136	0.4367	0.0954	1.0600e-003	0.0233	1.6700e-003	0.0250	6.3900e-003	1.6000e-003	7.9900e-003		114.7951	114.7951	8.3500e-003		115.0039
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	0.2446	0.1847	1.9891	4.7500e-003	0.4471	3.9900e-003	0.4511	0.1186	3.6800e-003	0.1223		472.2304	472.2304	0.0178		472.6747

Total	**0.2582**	**0.6213**	**2.0844**	**5.8100e-003**	**0.4704**	**5.6600e-003**	**0.4761**	**0.1250**	**5.2800e-003**	**0.1302**		**587.0255**	**587.0255**	**0.0261**		**587.6785**

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					2.9000e-004	0.0000	2.9000e-004	4.0000e-005	0.0000	4.0000e-005			0.0000			0.0000
Off-Road	6.4501	56.0926	59.8616	0.0760		4.3772	4.3772		4.0299	4.0299	0.0000	7,657.0935	7,657.0935	2.3838		7,716.6875
Total	**6.4501**	**56.0926**	**59.8616**	**0.0760**	**2.9000e-004**	**4.3772**	**4.3775**	**4.0000e-005**	**4.0299**	**4.0300**	**0.0000**	**7,657.0935**	**7,657.0935**	**2.3838**		**7,716.6875**

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	0.0136	0.4367	0.0954	1.0600e-003	0.0233	1.6700e-003	0.0250	6.3900e-003	1.6000e-003	7.9900e-003		114.7951	114.7951	8.3500e-003		115.0039
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	0.2446	0.1847	1.9891	4.7500e-003	0.4471	3.9900e-003	0.4511	0.1186	3.6800e-003	0.1223		472.2304	472.2304	0.0178		472.6747
Total	**0.2582**	**0.6213**	**2.0844**	**5.8100e-003**	**0.4704**	**5.6600e-003**	**0.4761**	**0.1250**	**5.2800e-003**	**0.1302**		**587.0255**	**587.0255**	**0.0261**		**587.6785**

3.6 Reach 102 - 2018

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					0.0424	0.0000	0.0424	6.4200e-003	0.0000	6.4200e-003			0.0000			0.0000
Off-Road	0.8875	7.1586	7.2896	9.8300e-003		0.4555	0.4555		0.4191	0.4191		989.7030	989.7030	0.3081		997.4057
Total	**0.8875**	**7.1586**	**7.2896**	**9.8300e-003**	**0.0424**	**0.4555**	**0.4979**	**6.4200e-003**	**0.4191**	**0.4255**		**989.7030**	**989.7030**	**0.3081**		**997.4057**

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	0.7633	24.5617	5.3634	0.0598	1.3112	0.0940	1.4052	0.3594	0.0899	0.4493		6,457.2237	6,457.2237	0.4697		6,468.9670
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	0.0734	0.0554	0.5967	1.4200e-003	0.1341	1.2000e-003	0.1353	0.0356	1.1000e-003	0.0367		141.6691	141.6691	5.3300e-003		141.8024
Total	**0.8366**	**24.6171**	**5.9601**	**0.0612**	**1.4454**	**0.0952**	**1.5405**	**0.3950**	**0.0910**	**0.4860**		**6,598.8928**	**6,598.8928**	**0.4751**		**6,610.7694**

Mitigated Construction On-Site

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

Fugitive Dust					0.0165	0.0000	0.0165	2.5000e-003	0.0000	2.5000e-003			0.0000			0.0000
Off-Road	0.4338	1.8729	7.9374	9.8300e-003		0.1326	0.1326		0.1231	0.1231	0.0000	989.7030	989.7030	0.3081		997.4057
Total	**0.4338**	**1.8729**	**7.9374**	**9.8300e-003**	**0.0165**	**0.1326**	**0.1491**	**2.5000e-003**	**0.1231**	**0.1256**	**0.0000**	**989.7030**	**989.7030**	**0.3081**		**997.4057**

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	0.7633	24.5617	5.3634	0.0598	1.3112	0.0940	1.4052	0.3594	0.0899	0.4493		6,457.2237	6,457.2237	0.4697		6,468.9670
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	0.0734	0.0554	0.5967	1.4200e-003	0.1341	1.2000e-003	0.1353	0.0356	1.1000e-003	0.0367		141.6691	141.6691	5.3300e-003		141.8024
Total	**0.8366**	**24.6171**	**5.9601**	**0.0612**	**1.4454**	**0.0952**	**1.5405**	**0.3950**	**0.0910**	**0.4860**		**6,598.8928**	**6,598.8928**	**0.4751**		**6,610.7694**

3.7 Reach 103 - 2018

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					6.0336	0.0000	6.0336	3.3120	0.0000	3.3120			0.0000			0.0000
Off-Road	3.1619	30.1102	21.9312	0.0332		1.6666	1.6666		1.5332	1.5332		3,342.3503	3,342.3503	1.0405		3,368.3633
Total	**3.1619**	**30.1102**	**21.9312**	**0.0332**	**6.0336**	**1.6666**	**7.7002**	**3.3120**	**1.5332**	**4.8452**		**3,342.3503**	**3,342.3503**	**1.0405**		**3,368.3633**

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	0.2076	6.6808	1.4588	0.0163	0.3567	0.0256	0.3822	0.0978	0.0245	0.1222		1,756.3649	1,756.3649	0.1278		1,759.5590
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	0.1223	0.0923	0.9945	2.3700e-003	0.2236	1.9900e-003	0.2256	0.0593	1.8400e-003	0.0611		236.1152	236.1152	8.8900e-003		236.3373
Total	**0.3299**	**6.7731**	**2.4534**	**0.0186**	**0.5802**	**0.0276**	**0.6078**	**0.1571**	**0.0263**	**0.1833**		**1,992.4800**	**1,992.4800**	**0.1367**		**1,995.8964**

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					2.3531	0.0000	2.3531	1.2917	0.0000	1.2917			0.0000			0.0000
Off-Road	0.8771	3.7905	23.2549	0.0332		0.2291	0.2291		0.2148	0.2148	0.0000	3,342.3503	3,342.3503	1.0405		3,368.3633
Total	**0.8771**	**3.7905**	**23.2549**	**0.0332**	**2.3531**	**0.2291**	**2.5822**	**1.2917**	**0.2148**	**1.5065**	**0.0000**	**3,342.3503**	**3,342.3503**	**1.0405**		**3,368.3633**

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	0.2076	6.6808	1.4588	0.0163	0.3567	0.0256	0.3822	0.0978	0.0245	0.1222		1,756.3649	1,756.3649	0.1278		1,759.5590
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	0.1223	0.0923	0.9945	2.3700e-003	0.2236	1.9900e-003	0.2256	0.0593	1.8400e-003	0.0611		236.1152	236.1152	8.8900e-003		236.3373
Total	**0.3299**	**6.7731**	**2.4534**	**0.0186**	**0.5802**	**0.0276**	**0.6078**	**0.1571**	**0.0263**	**0.1833**		**1,992.4800**	**1,992.4800**	**0.1367**		**1,995.8964**

3.8 Reach 104 - 2018

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					12.0654	0.0000	12.0654	6.6237	0.0000	6.6237			0.0000			0.0000
Off-Road	2.1929	20.7513	12.4141	0.0192		1.1353	1.1353		1.0445	1.0445		1,931.4010	1,931.4010	0.6013		1,946.4328
Total	**2.1929**	**20.7513**	**12.4141**	**0.0192**	**12.0654**	**1.1353**	**13.2007**	**6.6237**	**1.0445**	**7.6682**		**1,931.4010**	**1,931.4010**	**0.6013**		**1,946.4328**

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	0.3816	12.2808	2.6817	0.0299	1.1514	0.0470	1.1984	0.3014	0.0450	0.3464		3,228.6119	3,228.6119	0.2349		3,234.4835
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	0.0734	0.0554	0.5967	1.4200e-003	0.2507	1.2000e-003	0.2519	0.0642	1.1000e-003	0.0653		141.6691	141.6691	5.3300e-003		141.8024

Total	**0.4550**	**12.3362**	**3.2784**	**0.0313**	**1.4022**	**0.0482**	**1.4503**	**0.3656**	**0.0461**	**0.4117**		**3,370.2810**	**3,370.2810**	**0.2402**		**3,376.2859**

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					4.7055	0.0000	4.7055	2.5832	0.0000	2.5832			0.0000			0.0000
Off-Road	0.5875	2.5379	12.4478	0.0192		0.1624	0.1624		0.1517	0.1517	0.0000	1,931.4010	1,931.4010	0.6013		1,946.4328
Total	**0.5875**	**2.5379**	**12.4478**	**0.0192**	**4.7055**	**0.1624**	**4.8679**	**2.5832**	**0.1517**	**2.7350**	**0.0000**	**1,931.4010**	**1,931.4010**	**0.6013**		**1,946.4328**

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	0.3816	12.2808	2.6817	0.0299	1.1514	0.0470	1.1984	0.3014	0.0450	0.3464		3,228.6119	3,228.6119	0.2349		3,234.4835
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	0.0734	0.0554	0.5967	1.4200e-003	0.2507	1.2000e-003	0.2519	0.0642	1.1000e-003	0.0653		141.6691	141.6691	5.3300e-003		141.8024
Total	**0.4550**	**12.3362**	**3.2784**	**0.0313**	**1.4022**	**0.0482**	**1.4503**	**0.3656**	**0.0461**	**0.4117**		**3,370.2810**	**3,370.2810**	**0.2402**		**3,376.2859**

3.9 Reach 105 - 2018

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					0.0113	0.0000	0.0113	1.7100e-003	0.0000	1.7100e-003			0.0000			0.0000
Off-Road	0.5984	4.0627	4.0140	4.6600e-003		0.3054	0.3054		0.2809	0.2809		470.1179	470.1179	0.1464		473.7768
Total	**0.5984**	**4.0627**	**4.0140**	**4.6600e-003**	**0.0113**	**0.3054**	**0.3167**	**1.7100e-003**	**0.2809**	**0.2827**		**470.1179**	**470.1179**	**0.1464**		**473.7768**

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	0.2035	6.5498	1.4302	0.0159	0.3497	0.0251	0.3747	0.0959	0.0240	0.1198		1,721.9263	1,721.9263	0.1253		1,725.0579
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	0.1406	0.1062	1.1437	2.7300e-003	0.2571	2.2900e-003	0.2594	0.0682	2.1100e-003	0.0703		271.5325	271.5325	0.0102		271.7879
Total	**0.3442**	**6.6560**	**2.5740**	**0.0187**	**0.6068**	**0.0274**	**0.6341**	**0.1640**	**0.0261**	**0.1901**		**1,993.4588**	**1,993.4588**	**0.1355**		**1,996.8458**

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					4.4100e-003	0.0000	4.4100e-003	6.7000e-004	0.0000	6.7000e-004			0.0000			0.0000
Off-Road	0.3703	1.5976	4.0193	4.6600e-003		0.1241	0.1241		0.1146	0.1146	0.0000	470.1179	470.1179	0.1464		473.7768
Total	**0.3703**	**1.5976**	**4.0193**	**4.6600e-003**	**4.4100e-003**	**0.1241**	**0.1285**	**6.7000e-004**	**0.1146**	**0.1153**	**0.0000**	**470.1179**	**470.1179**	**0.1464**		**473.7768**

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	0.2035	6.5498	1.4302	0.0159	0.3497	0.0251	0.3747	0.0959	0.0240	0.1198		1,721.9263	1,721.9263	0.1253		1,725.0579
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	0.1406	0.1062	1.1437	2.7300e-003	0.2571	2.2900e-003	0.2594	0.0682	2.1100e-003	0.0703		271.5325	271.5325	0.0102		271.7879
Total	**0.3442**	**6.6560**	**2.5740**	**0.0187**	**0.6068**	**0.0274**	**0.6341**	**0.1640**	**0.0261**	**0.1901**		**1,993.4588**	**1,993.4588**	**0.1355**		**1,996.8458**

3.10 Reach 108 - 2018

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					0.0158	0.0000	0.0158	2.4000e-003	0.0000	2.4000e-003			0.0000			0.0000
Off-Road	1.0105	9.5380	9.7267	0.0142		0.5461	0.5461		0.5024	0.5024		1,430.6171	1,430.6171	0.4454		1,441.7513
Total	**1.0105**	**9.5380**	**9.7267**	**0.0142**	**0.0158**	**0.5461**	**0.5620**	**2.4000e-003**	**0.5024**	**0.5048**		**1,430.6171**	**1,430.6171**	**0.4454**		**1,441.7513**

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	0.2850	9.1697	2.0023	0.0223	0.8597	0.0351	0.8948	0.2251	0.0336	0.2586		2,410.6969	2,410.6969	0.1754		2,415.0810
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	0.0734	0.0554	0.5967	1.4200e-003	0.2507	1.2000e-003	0.2519	0.0642	1.1000e-003	0.0653		141.6691	141.6691	5.3300e-003		141.8024
Total	**0.3583**	**9.2251**	**2.5991**	**0.0237**	**1.1105**	**0.0363**	**1.1467**	**0.2892**	**0.0347**	**0.3239**		**2,552.3660**	**2,552.3660**	**0.1807**		**2,556.8834**

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					6.1700e-003	0.0000	6.1700e-003	9.4000e-004	0.0000	9.4000e-004			0.0000			0.0000
Off-Road	0.3312	1.4317	11.0167	0.0142		0.0815	0.0815		0.0768	0.0768	0.0000	1,430.6171	1,430.6171	0.4454		1,441.7513
Total	**0.3312**	**1.4317**	**11.0167**	**0.0142**	**6.1700e-003**	**0.0815**	**0.0877**	**9.4000e-004**	**0.0768**	**0.0777**	**0.0000**	**1,430.6171**	**1,430.6171**	**0.4454**		**1,441.7513**

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	0.2850	9.1697	2.0023	0.0223	0.8597	0.0351	0.8948	0.2251	0.0336	0.2586		2,410.6969	2,410.6969	0.1754		2,415.0810
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	0.0734	0.0554	0.5967	1.4200e-003	0.2507	1.2000e-003	0.2519	0.0642	1.1000e-003	0.0653		141.6691	141.6691	5.3300e-003		141.8024
Total	**0.3583**	**9.2251**	**2.5991**	**0.0237**	**1.1105**	**0.0363**	**1.1467**	**0.2892**	**0.0347**	**0.3239**		**2,552.3660**	**2,552.3660**	**0.1807**		**2,556.8834**

3.11 Reach 109 - 2018

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					9.4200e-003	0.0000	9.4200e-003	1.4300e-003	0.0000	1.4300e-003			0.0000			0.0000
Off-Road	1.3307	11.7826	11.4324	0.0160		0.6995	0.6995		0.6435	0.6435		1,613.3341	1,613.3341	0.5023		1,625.8904
Total	**1.3307**	**11.7826**	**11.4324**	**0.0160**	**9.4200e-003**	**0.6995**	**0.7089**	**1.4300e-003**	**0.6435**	**0.6449**		**1,613.3341**	**1,613.3341**	**0.5023**		**1,625.8904**

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	0.1696	5.4582	1.1919	0.0133	0.2914	0.0209	0.3123	0.0799	0.0200	0.0999		1,434.9386	1,434.9386	0.1044		1,437.5482
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	0.0734	0.0554	0.5967	1.4200e-003	0.1341	1.2000e-003	0.1353	0.0356	1.1000e-003	0.0367		141.6691	141.6691	5.3300e-003		141.8024

Total	**0.2430**	**5.5136**	**1.7886**	**0.0147**	**0.4255**	**0.0221**	**0.4476**	**0.1154**	**0.0211**	**0.1365**		**1,576.6077**	**1,576.6077**	**0.1097**		**1,579.3506**

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					3.6800e-003	0.0000	3.6800e-003	5.6000e-004	0.0000	5.6000e-004			0.0000			0.0000
Off-Road	0.4710	2.0348	12.5802	0.0160		0.1282	0.1282		0.1199	0.1199	0.0000	1,613.3341	1,613.3341	0.5023		1,625.8904
Total	**0.4710**	**2.0348**	**12.5802**	**0.0160**	**3.6800e-003**	**0.1282**	**0.1319**	**5.6000e-004**	**0.1199**	**0.1204**	**0.0000**	**1,613.3341**	**1,613.3341**	**0.5023**		**1,625.8904**

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	0.1696	5.4582	1.1919	0.0133	0.2914	0.0209	0.3123	0.0799	0.0200	0.0999		1,434.9386	1,434.9386	0.1044		1,437.5482
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	0.0734	0.0554	0.5967	1.4200e-003	0.1341	1.2000e-003	0.1353	0.0356	1.1000e-003	0.0367		141.6691	141.6691	5.3300e-003		141.8024
Total	**0.2430**	**5.5136**	**1.7886**	**0.0147**	**0.4255**	**0.0221**	**0.4476**	**0.1154**	**0.0211**	**0.1365**		**1,576.6077**	**1,576.6077**	**0.1097**		**1,579.3506**

3.12 Reach 110 - 2018

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					0.0452	0.0000	0.0452	6.8500e-003	0.0000	6.8500e-003			0.0000			0.0000
Off-Road	1.5636	14.2040	14.3793	0.0208		0.8102	0.8102		0.7453	0.7453		2,090.7300	2,090.7300	0.6509		2,107.0018
Total	**1.5636**	**14.2040**	**14.3793**	**0.0208**	**0.0452**	**0.8102**	**0.8554**	**6.8500e-003**	**0.7453**	**0.7522**		**2,090.7300**	**2,090.7300**	**0.6509**		**2,107.0018**

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	0.8141	26.1991	5.7210	0.0638	1.3987	0.1002	1.4989	0.3834	0.0959	0.4793		6,887.7053	6,887.7053	0.5011		6,900.2315
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	0.0978	0.0739	0.7956	1.9000e-003	0.1788	1.5900e-003	0.1804	0.0474	1.4700e-003	0.0489		188.8922	188.8922	7.1100e-003		189.0699
Total	**0.9120**	**26.2730**	**6.5166**	**0.0657**	**1.5775**	**0.1018**	**1.6793**	**0.4308**	**0.0974**	**0.5282**		**7,076.5974**	**7,076.5974**	**0.5082**		**7,089.3013**

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					0.0176	0.0000	0.0176	2.6700e-003	0.0000	2.6700e-003			0.0000			0.0000
Off-Road	0.5684	2.4564	16.2406	0.0208		0.1506	0.1506		0.1410	0.1410	0.0000	2,090.7300	2,090.7300	0.6509		2,107.0018
Total	**0.5684**	**2.4564**	**16.2406**	**0.0208**	**0.0176**	**0.1506**	**0.1682**	**2.6700e-003**	**0.1410**	**0.1437**	**0.0000**	**2,090.7300**	**2,090.7300**	**0.6509**		**2,107.0018**

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	0.8141	26.1991	5.7210	0.0638	1.3987	0.1002	1.4989	0.3834	0.0959	0.4793		6,887.7053	6,887.7053	0.5011		6,900.2315
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	0.0978	0.0739	0.7956	1.9000e-003	0.1788	1.5900e-003	0.1804	0.0474	1.4700e-003	0.0489		188.8922	188.8922	7.1100e-003		189.0699
Total	**0.9120**	**26.2730**	**6.5166**	**0.0657**	**1.5775**	**0.1018**	**1.6793**	**0.4308**	**0.0974**	**0.5282**		**7,076.5974**	**7,076.5974**	**0.5082**		**7,089.3013**

3.13 Reach 112 - 2018

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	0.5153	3.7045	3.5947	4.2800e-003		0.2756	0.2756		0.2536	0.2536		430.7824	430.7824	0.1341		434.1352
Total	**0.5153**	**3.7045**	**3.5947**	**4.2800e-003**	**0.0000**	**0.2756**	**0.2756**	**0.0000**	**0.2536**	**0.2536**		**430.7824**	**430.7824**	**0.1341**		**434.1352**

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	0.1834	0.1385	1.4918	3.5600e-003	0.3353	2.9900e-003	0.3383	0.0889	2.7600e-003	0.0917		354.1728	354.1728	0.0133		354.5060
Total	**0.1834**	**0.1385**	**1.4918**	**3.5600e-003**	**0.3353**	**2.9900e-003**	**0.3383**	**0.0889**	**2.7600e-003**	**0.0917**		**354.1728**	**354.1728**	**0.0133**		**354.5060**

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	0.2872	1.2393	3.6000	4.2800e-003		0.0944	0.0944		0.0872	0.0872	0.0000	430.7824	430.7824	0.1341		434.1352
Total	**0.2872**	**1.2393**	**3.6000**	**4.2800e-003**	**0.0000**	**0.0944**	**0.0944**	**0.0000**	**0.0872**	**0.0872**	**0.0000**	**430.7824**	**430.7824**	**0.1341**		**434.1352**

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	0.1834	0.1385	1.4918	3.5600e-003	0.3353	2.9900e-003	0.3383	0.0889	2.7600e-003	0.0917		354.1728	354.1728	0.0133		354.5060
Total	**0.1834**	**0.1385**	**1.4918**	**3.5600e-003**	**0.3353**	**2.9900e-003**	**0.3383**	**0.0889**	**2.7600e-003**	**0.0917**		**354.1728**	**354.1728**	**0.0133**		**354.5060**

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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					12.0459	0.0000	12.0459	6.6207	0.0000	6.6207			0.0000			0.0000
Off-Road	6.4119	61.5790	45.1376	0.0695		3.2621	3.2621		3.0011	3.0011		6,993.6349	6,993.6349	2.1772		7,048.0652
Total	**6.4119**	**61.5790**	**45.1376**	**0.0695**	**12.0459**	**3.2621**	**15.3080**	**6.6207**	**3.0011**	**9.6218**		**6,993.6349**	**6,993.6349**	**2.1772**		**7,048.0652**

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	0.0305	0.9825	0.2145	2.3900e-003	0.1570	3.7600e-003	0.1608	0.0400	3.6000e-003	0.0436		258.2890	258.2890	0.0188		258.7587
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	0.2201	0.1662	1.7902	4.2700e-003	0.4024	3.5900e-003	0.4060	0.1067	3.3100e-003	0.1100		425.0074	425.0074	0.0160		425.4072

Total	**0.2507**	**1.1487**	**2.0047**	**6.6600e-003**	**0.5594**	**7.3500e-003**	**0.5668**	**0.1468**	**6.9100e-003**	**0.1537**		**683.2963**	**683.2963**	**0.0348**		**684.1659**

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					4.6979	0.0000	4.6979	2.5821	0.0000	2.5821			0.0000			0.0000
Off-Road	1.7146	7.4110	48.7693	0.0695		0.4342	0.4342		0.4080	0.4080	0.0000	6,993.6349	6,993.6349	2.1772		7,048.0652
Total	**1.7146**	**7.4110**	**48.7693**	**0.0695**	**4.6979**	**0.4342**	**5.1321**	**2.5821**	**0.4080**	**2.9901**	**0.0000**	**6,993.6349**	**6,993.6349**	**2.1772**		**7,048.0652**

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	0.0305	0.9825	0.2145	2.3900e-003	0.1570	3.7600e-003	0.1608	0.0400	3.6000e-003	0.0436		258.2890	258.2890	0.0188		258.7587
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	0.2201	0.1662	1.7902	4.2700e-003	0.4024	3.5900e-003	0.4060	0.1067	3.3100e-003	0.1100		425.0074	425.0074	0.0160		425.4072
Total	**0.2507**	**1.1487**	**2.0047**	**6.6600e-003**	**0.5594**	**7.3500e-003**	**0.5668**	**0.1468**	**6.9100e-003**	**0.1537**		**683.2963**	**683.2963**	**0.0348**		**684.1659**

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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					12.0459	0.0000	12.0459	6.6207	0.0000	6.6207			0.0000			0.0000
Off-Road	5.8368	55.3791	44.5296	0.0695		2.8750	2.8750		2.6450	2.6450		6,879.0829	6,879.0829	2.1765		6,933.4946
Total	**5.8368**	**55.3791**	**44.5296**	**0.0695**	**12.0459**	**2.8750**	**14.9209**	**6.6207**	**2.6450**	**9.2657**		**6,879.0829**	**6,879.0829**	**2.1765**		**6,933.4946**

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	0.0289	0.9311	0.2092	2.3600e-003	0.0675	3.4300e-003	0.0709	0.0181	3.2900e-003	0.0214		254.9549	254.9549	0.0185		255.4185
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	0.1994	0.1464	1.5929	4.1300e-003	0.4024	3.4700e-003	0.4059	0.1067	3.2000e-003	0.1099		411.1671	411.1671	0.0141		411.5207
Total	**0.2283**	**1.0775**	**1.8021**	**6.4900e-003**	**0.4699**	**6.9000e-003**	**0.4768**	**0.1248**	**6.4900e-003**	**0.1313**		**666.1220**	**666.1220**	**0.0327**		**666.9392**

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					4.6979	0.0000	4.6979	2.5821	0.0000	2.5821			0.0000			0.0000
Off-Road	1.6258	7.2751	48.6384	0.0695		0.4026	0.4026		0.3789	0.3789	0.0000	6,879.0829	6,879.0829	2.1765		6,933.4946
Total	**1.6258**	**7.2751**	**48.6384**	**0.0695**	**4.6979**	**0.4026**	**5.1005**	**2.5821**	**0.3789**	**2.9610**	**0.0000**	**6,879.0829**	**6,879.0829**	**2.1765**		**6,933.4946**

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	0.0289	0.9311	0.2092	2.3600e-003	0.0675	3.4300e-003	0.0709	0.0181	3.2900e-003	0.0214		254.9549	254.9549	0.0185		255.4185
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	0.1994	0.1464	1.5929	4.1300e-003	0.4024	3.4700e-003	0.4059	0.1067	3.2000e-003	0.1099		411.1671	411.1671	0.0141		411.5207
Total	**0.2283**	**1.0775**	**1.8021**	**6.4900e-003**	**0.4699**	**6.9000e-003**	**0.4768**	**0.1248**	**6.4900e-003**	**0.1313**		**666.1220**	**666.1220**	**0.0327**		**666.9392**

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 Industrial	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 Industrial	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
User Defined Industrial	0.548007	0.045751	0.200309	0.124119	0.017133	0.006025	0.018861	0.028423	0.002391	0.002469	0.004915	0.000672	0.000925

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 Industrial	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**

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 Industrial	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	1.0000e-005	0.0000	1.0000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		2.2000e-004	2.2000e-004	0.0000		2.3000e-004
Unmitigated	1.0000e-005	0.0000	1.0000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		2.2000e-004	2.2000e-004	0.0000		2.3000e-004

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
Landscaping	1.0000e-005	0.0000	1.0000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		2.2000e-004	2.2000e-004	0.0000		2.3000e-004
Total	**1.0000e-005**	**0.0000**	**1.0000e-004**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**		**2.2000e-004**	**2.2000e-004**	**0.0000**		**2.3000e-004**

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
Landscaping	1.0000e-005	0.0000	1.0000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		2.2000e-004	2.2000e-004	0.0000		2.3000e-004
Total	**1.0000e-005**	**0.0000**	**1.0000e-004**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**		**2.2000e-004**	**2.2000e-004**	**0.0000**		**2.3000e-004**

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

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

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

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

DPW Reaches 101-105, 108-110, 112-121 - Los Angeles-South Coast County, Summer

DPW Reaches 101-105, 108-110, 112-121

Los Angeles-South Coast County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
User Defined Industrial	1.00	User Defined Unit	698.00	0.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	33
Climate Zone	9			**Operational Year**	2019
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	702.44	**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 reaches acreage

Construction Phase - .

Off-road Equipment - 2 Exc

8 hand-held

Off-road Equipment - 1 exc, 1 loader, 8 handheld

Off-road Equipment - 1 dozer, 2 loader, 2 exc, 1 machine-mower (other material), 12 hand-held

Off-road Equipment - 1 dozer, 1 loader, 1 material-handling, 9 general

Off-road Equipment - 1 loader, 8 other general industrial

Off-road Equipment - 1 loader, 2 exc, 4 handheld

Off-road Equipment - 1 loader, 2 mowers, 7 handheld

Off-road Equipment - 1 loader, 1 mower, 2 exc, 8 handheld

Off-road Equipment - 1 loader, 6 handheld

Off-road Equipment - 2 loaders, 1 mower, 2 exc, 28 handheld

Off-road Equipment - 2 dozers, 1 loader, 6 mowers, 2 exc, 22 handheld

Off-road Equipment - . 1 loader, 1 exc, 7 handheld

Off-road Equipment - No Equipment.

Trips and VMT - .

Grading - .

Construction Off-road Equipment Mitigation - Tier 3 for equipment over 50 HP

Table Name	Column Name	Default Value	New Value
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	14.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	12.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	13.00
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstructionPhase	NumDays	420.00	15.00
tblConstructionPhase	NumDays	420.00	3.00
tblConstructionPhase	NumDays	420.00	15.00
tblConstructionPhase	NumDays	420.00	15.00
tblConstructionPhase	NumDays	420.00	40.00
tblConstructionPhase	NumDays	420.00	5.00
tblConstructionPhase	NumDays	420.00	3.00
tblConstructionPhase	NumDays	420.00	60.00
tblConstructionPhase	NumDays	420.00	2.00
tblConstructionPhase	NumDays	420.00	15.00
tblConstructionPhase	NumDays	420.00	4.00

tblConstructionPhase	NumDays	420.00	1.00
tblConstructionPhase	NumDays	420.00	5.00
tblGrading	MaterialExported	0.00	250.00
tblGrading	MaterialExported	0.00	6,000.00
tblGrading	MaterialExported	0.00	600.00
tblGrading	MaterialExported	0.00	450.00
tblGrading	MaterialExported	0.00	400.00
tblGrading	MaterialExported	0.00	750.00
tblGrading	MaterialExported	0.00	1,528.00
tblGrading	MaterialExported	0.00	750.00
tblGrading	MaterialExported	0.00	100.00
tblGrading	MaterialExported	0.00	700.00
tblLandUse	LotAcreage	0.00	698.00
tblOffRoadEquipment	HorsePower	88.00	6.00
tblOffRoadEquipment	HorsePower	88.00	6.00
tblOffRoadEquipment	HorsePower	88.00	6.00
tblOffRoadEquipment	HorsePower	88.00	6.00
tblOffRoadEquipment	HorsePower	88.00	6.00
tblOffRoadEquipment	HorsePower	88.00	6.00
tblOffRoadEquipment	HorsePower	88.00	6.00
tblOffRoadEquipment	HorsePower	88.00	6.00
tblOffRoadEquipment	HorsePower	88.00	6.00
tblOffRoadEquipment	HorsePower	88.00	6.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00

tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	0.00
tblTripsAndVMT	HaulingTripNumber	31.00	50.00
tblTripsAndVMT	HaulingTripNumber	750.00	1,200.00
tblTripsAndVMT	HaulingTripNumber	75.00	120.00
tblTripsAndVMT	HaulingTripNumber	56.00	180.00
tblTripsAndVMT	HaulingTripNumber	50.00	80.00

tblTripsAndVMT	HaulingTripNumber	94.00	150.00
tblTripsAndVMT	HaulingTripNumber	191.00	306.00
tblTripsAndVMT	HaulingTripNumber	94.00	150.00
tblTripsAndVMT	HaulingTripNumber	94.00	0.00
tblTripsAndVMT	HaulingTripNumber	13.00	20.00
tblTripsAndVMT	HaulingTripNumber	88.00	140.00
tblTripsAndVMT	HaulingTripNumber	88.00	0.00
tblTripsAndVMT	WorkerTripNumber	23.00	20.00
tblTripsAndVMT	WorkerTripNumber	25.00	12.00
tblTripsAndVMT	WorkerTripNumber	30.00	16.00
tblTripsAndVMT	WorkerTripNumber	18.00	30.00
tblTripsAndVMT	WorkerTripNumber	83.00	36.00
tblTripsAndVMT	WorkerTripNumber	25.00	20.00
tblTripsAndVMT	WorkerTripNumber	83.00	40.00
tblTripsAndVMT	WorkerTripNumber	25.00	12.00
tblTripsAndVMT	WorkerTripNumber	45.00	20.00
tblTripsAndVMT	WorkerTripNumber	30.00	12.00
tblTripsAndVMT	WorkerTripNumber	30.00	0.00
tblTripsAndVMT	WorkerTripNumber	18.00	12.00
tblTripsAndVMT	WorkerTripNumber	18.00	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					

2018	11.3826	111.0187	84.6194	0.1698	13.9387	6.9172	20.3449	7.1143	6.3649	13.0098	0.0000	17,571.5550	17,571.5550	3.5835	0.0000	17,660.3357
2019	6.0448	56.4302	46.4613	0.0762	12.5158	2.8819	15.3976	6.7455	2.6514	9.3969	0.0000	7,575.0995	7,575.0995	2.2093	0.0000	7,630.3327
Maximum	**11.3826**	**111.0187**	**84.6194**	**0.1698**	**13.9387**	**6.9172**	**20.3449**	**7.1143**	**6.3649**	**13.0098**	**0.0000**	**17,571.5550**	**17,571.5550**	**3.5835**	**0.0000**	**17,660.3357**

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					
2018	8.1353	85.0584	87.8098	0.1698	6.5784	4.6390	11.1709	3.0738	4.2758	7.3059	0.0000	17,571.5550	17,571.5550	3.5835	0.0000	17,660.3357
2019	1.8338	8.3261	50.5701	0.0762	5.1678	0.4095	5.5772	2.7069	0.3854	3.0922	0.0000	7,575.0994	7,575.0994	2.2093	0.0000	7,630.3327
Maximum	**8.1353**	**85.0584**	**87.8098**	**0.1698**	**6.5784**	**4.6390**	**11.1709**	**3.0738**	**4.2758**	**7.3059**	**0.0000**	**17,571.5550**	**17,571.5550**	**3.5835**	**0.0000**	**17,660.3357**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**42.80**	**44.23**	**-5.57**	**0.00**	**55.60**	**48.48**	**53.14**	**58.29**	**48.30**	**53.59**	**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	1.0000e-005	0.0000	1.0000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		2.2000e-004	2.2000e-004	0.0000		2.3000e-004
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	**1.0000e-005**	**0.0000**	**1.0000e-004**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**		**2.2000e-004**	**2.2000e-004**	**0.0000**	**0.0000**	**2.3000e-004**

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	1.0000e-005	0.0000	1.0000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		2.2000e-004	2.2000e-004	0.0000		2.3000e-004
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	**1.0000e-005**	**0.0000**	**1.0000e-004**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**		**2.2000e-004**	**2.2000e-004**	**0.0000**	**0.0000**	**2.3000e-004**

	ROG	NOx	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	Reach 115	Site Preparation	2/9/2018	3/1/2018	5	15	
2	Reach 101	Site Preparation	9/1/2018	9/7/2018	5	5	
3	Site Preparation	Site Preparation	9/1/2018	9/5/2018	5	3	
4	Reach 113	Site Preparation	9/1/2018	11/23/2018	5	60	
5	Reach 102	Site Preparation	9/8/2018	9/11/2018	5	2	
6	Reach 103	Site Preparation	9/12/2018	10/2/2018	5	15	

7	Reach 104	Site Preparation	10/3/2018	10/8/2018	5	4	
8	Reach 105	Site Preparation	10/9/2018	10/9/2018	5	1	
9	Reach 108	Site Preparation	10/10/2018	10/16/2018	5	5	
10	Reach 109	Site Preparation	10/17/2018	10/19/2018	5	3	
11	Reach 110	Site Preparation	10/20/2018	11/9/2018	5	15	
12	Reach 112	Site Preparation	11/24/2018	12/14/2018	5	15	
13	Reach 114	Site Preparation	12/15/2018	2/8/2019	5	40	

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
Reach 115	Excavators	1	8.00	158	0.38
Reach 115	Other General Industrial Equipment	7	8.00	6	0.34
Reach 115	Rubber Tired Dozers	0	8.00	247	0.40
Reach 115	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Reach 101	Excavators	2	8.00	158	0.38
Reach 101	Other General Industrial Equipment	8	8.00	6	0.34
Reach 101	Rubber Tired Dozers	0	8.00	247	0.40
Reach 101	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Reach 114	Excavators	2	8.00	158	0.38
Reach 114	Other General Industrial Equipment	22	8.00	6	0.34
Reach 114	Other Material Handling Equipment	6	8.00	168	0.40
Reach 114	Rubber Tired Dozers	2	8.00	247	0.40
Reach 114	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Site Preparation	Rubber Tired Dozers	0	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	0	8.00	97	0.37

Reach 102	Excavators	1	8.00	158	0.38
Reach 102	Other General Industrial Equipment	8	8.00	6	0.34
Reach 102	Rubber Tired Dozers	0	8.00	247	0.40
Reach 102	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Reach 103	Excavators	2	8.00	158	0.38
Reach 103	Other General Industrial Equipment	12	8.00	6	0.34
Reach 103	Other Material Handling Equipment	1	8.00	168	0.40
Reach 103	Rubber Tired Dozers	1	8.00	247	0.40
Reach 103	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Reach 104	Concrete/Industrial Saws	0		81	0.73
Reach 104	Excavators	0		158	0.38
Reach 104	Other General Industrial Equipment	9	8.00	6	0.34
Reach 104	Other Material Handling Equipment	1	8.00	168	0.40
Reach 104	Rubber Tired Dozers	1	8.00	247	0.40
Reach 104	Rubber Tired Dozers	0	8.00	247	0.40
Reach 104	Rubber Tired Dozers	0	8.00	247	0.40
Reach 104	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Reach 104	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Reach 105	Other General Industrial Equipment	8	8.00	6	0.34
Reach 105	Rubber Tired Dozers	0	8.00	247	0.40
Reach 105	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Reach 108	Excavators	2	8.00	158	0.38
Reach 108	Other General Industrial Equipment	4	8.00	6	0.34
Reach 108	Rubber Tired Dozers	0	8.00	247	0.40
Reach 108	Rubber Tired Dozers	0	8.00	247	0.40
Reach 108	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Reach 108	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Reach 109	Other General Industrial Equipment	7	8.00	6	0.34
Reach 109	Other Material Handling Equipment	2	8.00	168	0.40
Reach 109	Rubber Tired Dozers	0	8.00	247	0.40

Reach 109	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Reach 110	Excavators	2	8.00	158	0.38
Reach 110	Other General Industrial Equipment	8	8.00	6	0.34
Reach 110	Other Material Handling Equipment	1	8.00	168	0.40
Reach 110	Rubber Tired Dozers	0	8.00	247	0.40
Reach 110	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Reach 112	Other General Industrial Equipment	6	8.00	6	0.34
Reach 112	Rubber Tired Dozers	0	8.00	247	0.40
Reach 112	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Reach 113	Excavators	2	8.00	158	0.38
Reach 113	Other General Industrial Equipment	28	6.00	88	0.34
Reach 113	Other Material Handling Equipment	1	8.00	168	0.40
Reach 113	Rubber Tired Dozers	0	8.00	247	0.40
Reach 113	Tractors/Loaders/Backhoes	2	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
Reach 115	9	20.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Reach 101	10	20.00	0.00	180.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Reach 114	33	36.00	0.00	120.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	0	0.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Reach 102	10	12.00	0.00	150.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Reach 103	18	20.00	0.00	306.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Reach 104	12	12.00	0.00	150.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Reach 104	12	0.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Reach 105	9	23.00	0.00	20.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Reach 108	7	12.00	0.00	140.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Reach 108	7	0.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Reach 109	10	12.00	0.00	50.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

Reach 110	12	16.00	0.00	1,200.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Reach 112	7	30.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Reach 113	33	40.00	0.00	80.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Water Exposed Area

3.2 Reach 115 - 2018

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	0.8460	6.9795	7.0800	9.6400e-003		0.4406	0.4406		0.4054	0.4054		970.0353	970.0353	0.3020		977.5849
Total	**0.8460**	**6.9795**	**7.0800**	**9.6400e-003**	**0.0000**	**0.4406**	**0.4406**	**0.0000**	**0.4054**	**0.4054**		**970.0353**	**970.0353**	**0.3020**		**977.5849**

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	0.1105	0.0834	1.0802	2.5200e-003	0.2236	1.9900e-003	0.2256	0.0593	1.8400e-003	0.0611		250.7380	250.7380	9.4000e-003		250.9731
Total	**0.1105**	**0.0834**	**1.0802**	**2.5200e-003**	**0.2236**	**1.9900e-003**	**0.2256**	**0.0593**	**1.8400e-003**	**0.0611**		**250.7380**	**250.7380**	**9.4000e-003**		**250.9731**

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	0.3923	1.6938	7.7277	9.6400e-003		0.1177	0.1177		0.1094	0.1094	0.0000	970.0353	970.0353	0.3020		977.5849
Total	**0.3923**	**1.6938**	**7.7277**	**9.6400e-003**	**0.0000**	**0.1177**	**0.1177**	**0.0000**	**0.1094**	**0.1094**	**0.0000**	**970.0353**	**970.0353**	**0.3020**		**977.5849**

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	0.1105	0.0834	1.0802	2.5200e-003	0.2236	1.9900e-003	0.2256	0.0593	1.8400e-003	0.0611		250.7380	250.7380	9.4000e-003		250.9731
Total	**0.1105**	**0.0834**	**1.0802**	**2.5200e-003**	**0.2236**	**1.9900e-003**	**0.2256**	**0.0593**	**1.8400e-003**	**0.0611**		**250.7380**	**250.7380**	**9.4000e-003**		**250.9731**

3.3 Reach 101 - 2018

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					0.0102	0.0000	0.0102	1.5400e-003	0.0000	1.5400e-003			0.0000			0.0000
Off-Road	0.9106	7.6248	8.2286	0.0119		0.4194	0.4194		0.3858	0.3858		1,196.5121	1,196.5121	0.3725		1,205.8244
Total	**0.9106**	**7.6248**	**8.2286**	**0.0119**	**0.0102**	**0.4194**	**0.4295**	**1.5400e-003**	**0.3858**	**0.3874**		**1,196.5121**	**1,196.5121**	**0.3725**		**1,205.8244**

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	0.3573	11.6303	2.4065	0.0292	0.6294	0.0442	0.6736	0.1725	0.0423	0.2149		3,152.2124	3,152.2124	0.2170		3,157.6375
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	0.1105	0.0834	1.0802	2.5200e-003	0.2236	1.9900e-003	0.2256	0.0593	1.8400e-003	0.0611		250.7380	250.7380	9.4000e-003		250.9731
Total	**0.4678**	**11.7137**	**3.4866**	**0.0317**	**0.8529**	**0.0462**	**0.8992**	**0.2318**	**0.0442**	**0.2760**		**3,402.9504**	**3,402.9504**	**0.2264**		**3,408.6106**

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					3.9700e-003	0.0000	3.9700e-003	6.0000e-004	0.0000	6.0000e-004			0.0000			0.0000
Off-Road	0.4594	1.9837	9.5133	0.0119		0.1360	0.1360		0.1265	0.1265	0.0000	1,196.5121	1,196.5121	0.3725		1,205.8244
Total	**0.4594**	**1.9837**	**9.5133**	**0.0119**	**3.9700e-003**	**0.1360**	**0.1400**	**6.0000e-004**	**0.1265**	**0.1271**	**0.0000**	**1,196.5121**	**1,196.5121**	**0.3725**		**1,205.8244**

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	0.3573	11.6303	2.4065	0.0292	0.6294	0.0442	0.6736	0.1725	0.0423	0.2149		3,152.2124	3,152.2124	0.2170		3,157.6375
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	0.1105	0.0834	1.0802	2.5200e-003	0.2236	1.9900e-003	0.2256	0.0593	1.8400e-003	0.0611		250.7380	250.7380	9.4000e-003		250.9731
Total	**0.4678**	**11.7137**	**3.4866**	**0.0317**	**0.8529**	**0.0462**	**0.8992**	**0.2318**	**0.0442**	**0.2760**		**3,402.9504**	**3,402.9504**	**0.2264**		**3,408.6106**

3.4 Site Preparation - 2018

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	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**		**0.0000**

Unmitigated Construction Off-Site

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

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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**

3.5 Reach 113 - 2018

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					7.5000e-004	0.0000	7.5000e-004	1.1000e-004	0.0000	1.1000e-004			0.0000			0.0000
Off-Road	7.6734	70.3054	57.9950	0.0760		5.2180	5.2180		4.8006	4.8006		7,657.0936	7,657.0936	2.3838		7,716.6875
Total	**7.6734**	**70.3054**	**57.9950**	**0.0760**	**7.5000e-004**	**5.2180**	**5.2188**	**1.1000e-004**	**4.8006**	**4.8007**		**7,657.0936**	**7,657.0936**	**2.3838**		**7,716.6875**

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	0.0132	0.4308	0.0891	1.0800e-003	0.0233	1.6400e-003	0.0250	6.3900e-003	1.5700e-003	7.9600e-003		116.7486	116.7486	8.0400e-003		116.9495
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	0.2210	0.1668	2.1603	5.0400e-003	0.4471	3.9900e-003	0.4511	0.1186	3.6800e-003	0.1223		501.4759	501.4759	0.0188		501.9462

Total	**0.2342**	**0.5975**	**2.2494**	**6.1200e-003**	**0.4704**	**5.6300e-003**	**0.4760**	**0.1250**	**5.2500e-003**	**0.1302**		**618.2245**	**618.2245**	**0.0269**		**618.8957**

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					2.9000e-004	0.0000	2.9000e-004	4.0000e-005	0.0000	4.0000e-005			0.0000			0.0000
Off-Road	6.4501	56.0926	59.8616	0.0760		4.3772	4.3772		4.0299	4.0299	0.0000	7,657.0935	7,657.0935	2.3838		7,716.6875
Total	**6.4501**	**56.0926**	**59.8616**	**0.0760**	**2.9000e-004**	**4.3772**	**4.3775**	**4.0000e-005**	**4.0299**	**4.0300**	**0.0000**	**7,657.0935**	**7,657.0935**	**2.3838**		**7,716.6875**

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	0.0132	0.4308	0.0891	1.0800e-003	0.0233	1.6400e-003	0.0250	6.3900e-003	1.5700e-003	7.9600e-003		116.7486	116.7486	8.0400e-003		116.9495
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	0.2210	0.1668	2.1603	5.0400e-003	0.4471	3.9900e-003	0.4511	0.1186	3.6800e-003	0.1223		501.4759	501.4759	0.0188		501.9462
Total	**0.2342**	**0.5975**	**2.2494**	**6.1200e-003**	**0.4704**	**5.6300e-003**	**0.4760**	**0.1250**	**5.2500e-003**	**0.1302**		**618.2245**	**618.2245**	**0.0269**		**618.8957**

3.6 Reach 102 - 2018

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					0.0424	0.0000	0.0424	6.4200e-003	0.0000	6.4200e-003			0.0000			0.0000
Off-Road	0.8875	7.1586	7.2896	9.8300e-003		0.4555	0.4555		0.4191	0.4191		989.7030	989.7030	0.3081		997.4057
Total	**0.8875**	**7.1586**	**7.2896**	**9.8300e-003**	**0.0424**	**0.4555**	**0.4979**	**6.4200e-003**	**0.4191**	**0.4255**		**989.7030**	**989.7030**	**0.3081**		**997.4057**

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	0.7444	24.2298	5.0135	0.0608	1.3112	0.0922	1.4034	0.3594	0.0882	0.4476		6,567.1093	6,567.1093	0.4521		6,578.4115
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	0.0663	0.0500	0.6481	1.5100e-003	0.1341	1.2000e-003	0.1353	0.0356	1.1000e-003	0.0367		150.4428	150.4428	5.6400e-003		150.5839
Total	**0.8107**	**24.2799**	**5.6616**	**0.0623**	**1.4454**	**0.0934**	**1.5387**	**0.3950**	**0.0893**	**0.4843**		**6,717.5520**	**6,717.5520**	**0.4577**		**6,728.9953**

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					0.0165	0.0000	0.0165	2.5000e-003	0.0000	2.5000e-003			0.0000			0.0000
Off-Road	0.4338	1.8729	7.9374	9.8300e-003		0.1326	0.1326		0.1231	0.1231	0.0000	989.7030	989.7030	0.3081		997.4057
Total	**0.4338**	**1.8729**	**7.9374**	**9.8300e-003**	**0.0165**	**0.1326**	**0.1491**	**2.5000e-003**	**0.1231**	**0.1256**	**0.0000**	**989.7030**	**989.7030**	**0.3081**		**997.4057**

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	0.7444	24.2298	5.0135	0.0608	1.3112	0.0922	1.4034	0.3594	0.0882	0.4476		6,567.1093	6,567.1093	0.4521		6,578.4115
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	0.0663	0.0500	0.6481	1.5100e-003	0.1341	1.2000e-003	0.1353	0.0356	1.1000e-003	0.0367		150.4428	150.4428	5.6400e-003		150.5839
Total	**0.8107**	**24.2799**	**5.6616**	**0.0623**	**1.4454**	**0.0934**	**1.5387**	**0.3950**	**0.0893**	**0.4843**		**6,717.5520**	**6,717.5520**	**0.4577**		**6,728.9953**

3.7 Reach 103 - 2018

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					6.0336	0.0000	6.0336	3.3120	0.0000	3.3120			0.0000			0.0000
Off-Road	3.1619	30.1102	21.9312	0.0332		1.6666	1.6666		1.5332	1.5332		3,342.3503	3,342.3503	1.0405		3,368.3633
Total	**3.1619**	**30.1102**	**21.9312**	**0.0332**	**6.0336**	**1.6666**	**7.7002**	**3.3120**	**1.5332**	**4.8452**		**3,342.3503**	**3,342.3503**	**1.0405**		**3,368.3633**

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	0.2025	6.5905	1.3637	0.0165	0.3567	0.0251	0.3817	0.0978	0.0240	0.1218		1,786.2537	1,786.2537	0.1230		1,789.3279
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	0.1105	0.0834	1.0802	2.5200e-003	0.2236	1.9900e-003	0.2256	0.0593	1.8400e-003	0.0611		250.7380	250.7380	9.4000e-003		250.9731
Total	**0.3130**	**6.6739**	**2.4438**	**0.0191**	**0.5802**	**0.0271**	**0.6073**	**0.1571**	**0.0258**	**0.1829**		**2,036.9917**	**2,036.9917**	**0.1324**		**2,040.3010**

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					2.3531	0.0000	2.3531	1.2917	0.0000	1.2917			0.0000			0.0000
Off-Road	0.8771	3.7905	23.2549	0.0332		0.2291	0.2291		0.2148	0.2148	0.0000	3,342.3503	3,342.3503	1.0405		3,368.3633
Total	**0.8771**	**3.7905**	**23.2549**	**0.0332**	**2.3531**	**0.2291**	**2.5822**	**1.2917**	**0.2148**	**1.5065**	**0.0000**	**3,342.3503**	**3,342.3503**	**1.0405**		**3,368.3633**

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	0.2025	6.5905	1.3637	0.0165	0.3567	0.0251	0.3817	0.0978	0.0240	0.1218		1,786.2537	1,786.2537	0.1230		1,789.3279
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	0.1105	0.0834	1.0802	2.5200e-003	0.2236	1.9900e-003	0.2256	0.0593	1.8400e-003	0.0611		250.7380	250.7380	9.4000e-003		250.9731
Total	**0.3130**	**6.6739**	**2.4438**	**0.0191**	**0.5802**	**0.0271**	**0.6073**	**0.1571**	**0.0258**	**0.1829**		**2,036.9917**	**2,036.9917**	**0.1324**		**2,040.3010**

3.8 Reach 104 - 2018

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					12.0654	0.0000	12.0654	6.6237	0.0000	6.6237			0.0000			0.0000
Off-Road	2.1929	20.7513	12.4141	0.0192		1.1353	1.1353		1.0445	1.0445		1,931.4010	1,931.4010	0.6013		1,946.4328
Total	**2.1929**	**20.7513**	**12.4141**	**0.0192**	**12.0654**	**1.1353**	**13.2007**	**6.6237**	**1.0445**	**7.6682**		**1,931.4010**	**1,931.4010**	**0.6013**		**1,946.4328**

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	0.3722	12.1149	2.5068	0.0304	1.1514	0.0461	1.1975	0.3014	0.0441	0.3455		3,283.5546	3,283.5546	0.2260		3,289.2057
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	0.0663	0.0500	0.6481	1.5100e-003	0.2507	1.2000e-003	0.2519	0.0642	1.1000e-003	0.0653		150.4428	150.4428	5.6400e-003		150.5839

Total	**0.4385**	**12.1649**	**3.1549**	**0.0319**	**1.4022**	**0.0473**	**1.4494**	**0.3656**	**0.0452**	**0.4108**		**3,433.9974**	**3,433.9974**	**0.2317**		**3,439.7896**

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					4.7055	0.0000	4.7055	2.5832	0.0000	2.5832			0.0000			0.0000
Off-Road	0.5875	2.5379	12.4478	0.0192		0.1624	0.1624		0.1517	0.1517	0.0000	1,931.4010	1,931.4010	0.6013		1,946.4328
Total	**0.5875**	**2.5379**	**12.4478**	**0.0192**	**4.7055**	**0.1624**	**4.8679**	**2.5832**	**0.1517**	**2.7350**	**0.0000**	**1,931.4010**	**1,931.4010**	**0.6013**		**1,946.4328**

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	0.3722	12.1149	2.5068	0.0304	1.1514	0.0461	1.1975	0.3014	0.0441	0.3455		3,283.5546	3,283.5546	0.2260		3,289.2057
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	0.0663	0.0500	0.6481	1.5100e-003	0.2507	1.2000e-003	0.2519	0.0642	1.1000e-003	0.0653		150.4428	150.4428	5.6400e-003		150.5839
Total	**0.4385**	**12.1649**	**3.1549**	**0.0319**	**1.4022**	**0.0473**	**1.4494**	**0.3656**	**0.0452**	**0.4108**		**3,433.9974**	**3,433.9974**	**0.2317**		**3,439.7896**

3.9 Reach 105 - 2018

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					0.0113	0.0000	0.0113	1.7100e-003	0.0000	1.7100e-003			0.0000			0.0000
Off-Road	0.5984	4.0627	4.0140	4.6600e-003		0.3054	0.3054		0.2809	0.2809		470.1179	470.1179	0.1464		473.7768
Total	**0.5984**	**4.0627**	**4.0140**	**4.6600e-003**	**0.0113**	**0.3054**	**0.3167**	**1.7100e-003**	**0.2809**	**0.2827**		**470.1179**	**470.1179**	**0.1464**		**473.7768**

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	0.1985	6.4613	1.3369	0.0162	0.3497	0.0246	0.3742	0.0959	0.0235	0.1194		1,751.2291	1,751.2291	0.1206		1,754.2431
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	0.1271	0.0959	1.2422	2.9000e-003	0.2571	2.2900e-003	0.2594	0.0682	2.1100e-003	0.0703		288.3487	288.3487	0.0108		288.6190
Total	**0.3256**	**6.5572**	**2.5791**	**0.0191**	**0.6068**	**0.0269**	**0.6336**	**0.1640**	**0.0256**	**0.1897**		**2,039.5778**	**2,039.5778**	**0.1314**		**2,042.8621**

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					4.4100e-003	0.0000	4.4100e-003	6.7000e-004	0.0000	6.7000e-004			0.0000			0.0000
Off-Road	0.3703	1.5976	4.0193	4.6600e-003		0.1241	0.1241		0.1146	0.1146	0.0000	470.1179	470.1179	0.1464		473.7768
Total	**0.3703**	**1.5976**	**4.0193**	**4.6600e-003**	**4.4100e-003**	**0.1241**	**0.1285**	**6.7000e-004**	**0.1146**	**0.1153**	**0.0000**	**470.1179**	**470.1179**	**0.1464**		**473.7768**

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	0.1985	6.4613	1.3369	0.0162	0.3497	0.0246	0.3742	0.0959	0.0235	0.1194		1,751.2291	1,751.2291	0.1206		1,754.2431
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	0.1271	0.0959	1.2422	2.9000e-003	0.2571	2.2900e-003	0.2594	0.0682	2.1100e-003	0.0703		288.3487	288.3487	0.0108		288.6190
Total	**0.3256**	**6.5572**	**2.5791**	**0.0191**	**0.6068**	**0.0269**	**0.6336**	**0.1640**	**0.0256**	**0.1897**		**2,039.5778**	**2,039.5778**	**0.1314**		**2,042.8621**

3.10 Reach 108 - 2018

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					0.0158	0.0000	0.0158	2.4000e-003	0.0000	2.4000e-003			0.0000			0.0000
Off-Road	1.0105	9.5380	9.7267	0.0142		0.5461	0.5461		0.5024	0.5024		1,430.6171	1,430.6171	0.4454		1,441.7513
Total	**1.0105**	**9.5380**	**9.7267**	**0.0142**	**0.0158**	**0.5461**	**0.5620**	**2.4000e-003**	**0.5024**	**0.5048**		**1,430.6171**	**1,430.6171**	**0.4454**		**1,441.7513**

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	0.2779	9.0458	1.8717	0.0227	0.8597	0.0344	0.8941	0.2251	0.0329	0.2580		2,451.7208	2,451.7208	0.1688		2,455.9403
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	0.0663	0.0500	0.6481	1.5100e-003	0.2507	1.2000e-003	0.2519	0.0642	1.1000e-003	0.0653		150.4428	150.4428	5.6400e-003		150.5839
Total	**0.3442**	**9.0958**	**2.5198**	**0.0242**	**1.1105**	**0.0356**	**1.1461**	**0.2892**	**0.0340**	**0.3233**		**2,602.1636**	**2,602.1636**	**0.1744**		**2,606.5241**

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					6.1700e-003	0.0000	6.1700e-003	9.4000e-004	0.0000	9.4000e-004			0.0000			0.0000
Off-Road	0.3312	1.4317	11.0167	0.0142		0.0815	0.0815		0.0768	0.0768	0.0000	1,430.6171	1,430.6171	0.4454		1,441.7513
Total	**0.3312**	**1.4317**	**11.0167**	**0.0142**	**6.1700e-003**	**0.0815**	**0.0877**	**9.4000e-004**	**0.0768**	**0.0777**	**0.0000**	**1,430.6171**	**1,430.6171**	**0.4454**		**1,441.7513**

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	0.2779	9.0458	1.8717	0.0227	0.8597	0.0344	0.8941	0.2251	0.0329	0.2580		2,451.7208	2,451.7208	0.1688		2,455.9403
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	0.0663	0.0500	0.6481	1.5100e-003	0.2507	1.2000e-003	0.2519	0.0642	1.1000e-003	0.0653		150.4428	150.4428	5.6400e-003		150.5839
Total	**0.3442**	**9.0958**	**2.5198**	**0.0242**	**1.1105**	**0.0356**	**1.1461**	**0.2892**	**0.0340**	**0.3233**		**2,602.1636**	**2,602.1636**	**0.1744**		**2,606.5241**

3.11 Reach 109 - 2018

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					9.4200e-003	0.0000	9.4200e-003	1.4300e-003	0.0000	1.4300e-003			0.0000			0.0000
Off-Road	1.3307	11.7826	11.4324	0.0160		0.6995	0.6995		0.6435	0.6435		1,613.3341	1,613.3341	0.5023		1,625.8904
Total	**1.3307**	**11.7826**	**11.4324**	**0.0160**	**9.4200e-003**	**0.6995**	**0.7089**	**1.4300e-003**	**0.6435**	**0.6449**		**1,613.3341**	**1,613.3341**	**0.5023**		**1,625.8904**

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	0.1654	5.3844	1.1141	0.0135	0.2914	0.0205	0.3119	0.0799	0.0196	0.0995		1,459.3576	1,459.3576	0.1005		1,461.8692
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	0.0663	0.0500	0.6481	1.5100e-003	0.1341	1.2000e-003	0.1353	0.0356	1.1000e-003	0.0367		150.4428	150.4428	5.6400e-003		150.5839

Total	**0.2317**	**5.4344**	**1.7622**	**0.0150**	**0.4255**	**0.0217**	**0.4472**	**0.1154**	**0.0207**	**0.1361**		**1,609.8004**	**1,609.8004**	**0.1061**		**1,612.4531**

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					3.6800e-003	0.0000	3.6800e-003	5.6000e-004	0.0000	5.6000e-004			0.0000			0.0000
Off-Road	0.4710	2.0348	12.5802	0.0160		0.1282	0.1282		0.1199	0.1199	0.0000	1,613.3341	1,613.3341	0.5023		1,625.8904
Total	**0.4710**	**2.0348**	**12.5802**	**0.0160**	**3.6800e-003**	**0.1282**	**0.1319**	**5.6000e-004**	**0.1199**	**0.1204**	**0.0000**	**1,613.3341**	**1,613.3341**	**0.5023**		**1,625.8904**

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	0.1654	5.3844	1.1141	0.0135	0.2914	0.0205	0.3119	0.0799	0.0196	0.0995		1,459.3576	1,459.3576	0.1005		1,461.8692
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	0.0663	0.0500	0.6481	1.5100e-003	0.1341	1.2000e-003	0.1353	0.0356	1.1000e-003	0.0367		150.4428	150.4428	5.6400e-003		150.5839
Total	**0.2317**	**5.4344**	**1.7622**	**0.0150**	**0.4255**	**0.0217**	**0.4472**	**0.1154**	**0.0207**	**0.1361**		**1,609.8004**	**1,609.8004**	**0.1061**		**1,612.4531**

3.12 Reach 110 - 2018

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					0.0452	0.0000	0.0452	6.8500e-003	0.0000	6.8500e-003			0.0000			0.0000
Off-Road	1.5636	14.2040	14.3793	0.0208		0.8102	0.8102		0.7453	0.7453		2,090.7300	2,090.7300	0.6509		2,107.0018
Total	**1.5636**	**14.2040**	**14.3793**	**0.0208**	**0.0452**	**0.8102**	**0.8554**	**6.8500e-003**	**0.7453**	**0.7522**		**2,090.7300**	**2,090.7300**	**0.6509**		**2,107.0018**

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	0.7941	25.8451	5.3478	0.0648	1.3987	0.0983	1.4970	0.3834	0.0941	0.4774		7,004.9165	7,004.9165	0.4822		7,016.9723
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	0.0884	0.0667	0.8641	2.0200e-003	0.1788	1.5900e-003	0.1804	0.0474	1.4700e-003	0.0489		200.5904	200.5904	7.5200e-003		200.7785
Total	**0.8825**	**25.9119**	**6.2119**	**0.0669**	**1.5775**	**0.0999**	**1.6774**	**0.4308**	**0.0955**	**0.5263**		**7,205.5069**	**7,205.5069**	**0.4898**		**7,217.7507**

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					0.0176	0.0000	0.0176	2.6700e-003	0.0000	2.6700e-003			0.0000			0.0000
Off-Road	0.5684	2.4564	16.2406	0.0208		0.1506	0.1506		0.1410	0.1410	0.0000	2,090.7300	2,090.7300	0.6509		2,107.0018
Total	**0.5684**	**2.4564**	**16.2406**	**0.0208**	**0.0176**	**0.1506**	**0.1682**	**2.6700e-003**	**0.1410**	**0.1437**	**0.0000**	**2,090.7300**	**2,090.7300**	**0.6509**		**2,107.0018**

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	0.7941	25.8451	5.3478	0.0648	1.3987	0.0983	1.4970	0.3834	0.0941	0.4774		7,004.9165	7,004.9165	0.4822		7,016.9723
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	0.0884	0.0667	0.8641	2.0200e-003	0.1788	1.5900e-003	0.1804	0.0474	1.4700e-003	0.0489		200.5904	200.5904	7.5200e-003		200.7785
Total	**0.8825**	**25.9119**	**6.2119**	**0.0669**	**1.5775**	**0.0999**	**1.6774**	**0.4308**	**0.0955**	**0.5263**		**7,205.5069**	**7,205.5069**	**0.4898**		**7,217.7507**

3.13 Reach 112 - 2018

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	0.5153	3.7045	3.5947	4.2800e-003		0.2756	0.2756		0.2536	0.2536		430.7824	430.7824	0.1341		434.1352
Total	**0.5153**	**3.7045**	**3.5947**	**4.2800e-003**	**0.0000**	**0.2756**	**0.2756**	**0.0000**	**0.2536**	**0.2536**		**430.7824**	**430.7824**	**0.1341**		**434.1352**

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	0.1657	0.1251	1.6202	3.7800e-003	0.3353	2.9900e-003	0.3383	0.0889	2.7600e-003	0.0917		376.1070	376.1070	0.0141		376.4596
Total	**0.1657**	**0.1251**	**1.6202**	**3.7800e-003**	**0.3353**	**2.9900e-003**	**0.3383**	**0.0889**	**2.7600e-003**	**0.0917**		**376.1070**	**376.1070**	**0.0141**		**376.4596**

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	0.2872	1.2393	3.6000	4.2800e-003		0.0944	0.0944		0.0872	0.0872	0.0000	430.7824	430.7824	0.1341		434.1352
Total	**0.2872**	**1.2393**	**3.6000**	**4.2800e-003**	**0.0000**	**0.0944**	**0.0944**	**0.0000**	**0.0872**	**0.0872**	**0.0000**	**430.7824**	**430.7824**	**0.1341**		**434.1352**

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	0.1657	0.1251	1.6202	3.7800e-003	0.3353	2.9900e-003	0.3383	0.0889	2.7600e-003	0.0917		376.1070	376.1070	0.0141		376.4596
Total	**0.1657**	**0.1251**	**1.6202**	**3.7800e-003**	**0.3353**	**2.9900e-003**	**0.3383**	**0.0889**	**2.7600e-003**	**0.0917**		**376.1070**	**376.1070**	**0.0141**		**376.4596**

3.14 Reach 114 - 2018

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					12.0459	0.0000	12.0459	6.6207	0.0000	6.6207			0.0000			0.0000
Off-Road	6.4119	61.5790	45.1376	0.0695		3.2621	3.2621		3.0011	3.0011		6,993.6349	6,993.6349	2.1772		7,048.0652
Total	**6.4119**	**61.5790**	**45.1376**	**0.0695**	**12.0459**	**3.2621**	**15.3080**	**6.6207**	**3.0011**	**9.6218**		**6,993.6349**	**6,993.6349**	**2.1772**		**7,048.0652**

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	0.0298	0.9692	0.2005	2.4300e-003	0.1570	3.6900e-003	0.1607	0.0400	3.5300e-003	0.0436		262.6844	262.6844	0.0181		263.1365
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	0.1989	0.1501	1.9443	4.5400e-003	0.4024	3.5900e-003	0.4060	0.1067	3.3100e-003	0.1100		451.3283	451.3283	0.0169		451.7515

Total	**0.2287**	**1.1193**	**2.1448**	**6.9700e-003**	**0.5594**	**7.2800e-003**	**0.5667**	**0.1468**	**6.8400e-003**	**0.1536**		**714.0127**	**714.0127**	**0.0350**		**714.8880**

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					4.6979	0.0000	4.6979	2.5821	0.0000	2.5821			0.0000			0.0000
Off-Road	1.7146	7.4110	48.7693	0.0695		0.4342	0.4342		0.4080	0.4080	0.0000	6,993.6349	6,993.6349	2.1772		7,048.0652
Total	**1.7146**	**7.4110**	**48.7693**	**0.0695**	**4.6979**	**0.4342**	**5.1321**	**2.5821**	**0.4080**	**2.9901**	**0.0000**	**6,993.6349**	**6,993.6349**	**2.1772**		**7,048.0652**

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	0.0298	0.9692	0.2005	2.4300e-003	0.1570	3.6900e-003	0.1607	0.0400	3.5300e-003	0.0436		262.6844	262.6844	0.0181		263.1365
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	0.1989	0.1501	1.9443	4.5400e-003	0.4024	3.5900e-003	0.4060	0.1067	3.3100e-003	0.1100		451.3283	451.3283	0.0169		451.7515
Total	**0.2287**	**1.1193**	**2.1448**	**6.9700e-003**	**0.5594**	**7.2800e-003**	**0.5667**	**0.1468**	**6.8400e-003**	**0.1536**		**714.0127**	**714.0127**	**0.0350**		**714.8880**

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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					12.0459	0.0000	12.0459	6.6207	0.0000	6.6207			0.0000			0.0000
Off-Road	5.8368	55.3791	44.5296	0.0695		2.8750	2.8750		2.6450	2.6450		6,879.0829	6,879.0829	2.1765		6,933.4946
Total	**5.8368**	**55.3791**	**44.5296**	**0.0695**	**12.0459**	**2.8750**	**14.9209**	**6.6207**	**2.6450**	**9.2657**		**6,879.0829**	**6,879.0829**	**2.1765**		**6,933.4946**

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	0.0282	0.9189	0.1959	2.4000e-003	0.0675	3.3700e-003	0.0709	0.0181	3.2300e-003	0.0213		259.3535	259.3535	0.0179		259.8001
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	0.1798	0.1322	1.7358	4.3900e-003	0.4024	3.4700e-003	0.4059	0.1067	3.2000e-003	0.1099		436.6630	436.6630	0.0150		437.0380
Total	**0.2080**	**1.0510**	**1.9317**	**6.7900e-003**	**0.4699**	**6.8400e-003**	**0.4767**	**0.1248**	**6.4300e-003**	**0.1312**		**696.0166**	**696.0166**	**0.0329**		**696.8381**

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					4.6979	0.0000	4.6979	2.5821	0.0000	2.5821			0.0000			0.0000
Off-Road	1.6258	7.2751	48.6384	0.0695		0.4026	0.4026		0.3789	0.3789	0.0000	6,879.0829	6,879.0829	2.1765		6,933.4946
Total	**1.6258**	**7.2751**	**48.6384**	**0.0695**	**4.6979**	**0.4026**	**5.1005**	**2.5821**	**0.3789**	**2.9610**	**0.0000**	**6,879.0829**	**6,879.0829**	**2.1765**		**6,933.4946**

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	0.0282	0.9189	0.1959	2.4000e-003	0.0675	3.3700e-003	0.0709	0.0181	3.2300e-003	0.0213		259.3535	259.3535	0.0179		259.8001
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	0.1798	0.1322	1.7358	4.3900e-003	0.4024	3.4700e-003	0.4059	0.1067	3.2000e-003	0.1099		436.6630	436.6630	0.0150		437.0380
Total	**0.2080**	**1.0510**	**1.9317**	**6.7900e-003**	**0.4699**	**6.8400e-003**	**0.4767**	**0.1248**	**6.4300e-003**	**0.1312**		**696.0166**	**696.0166**	**0.0329**		**696.8381**

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 Industrial	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 Industrial	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
User Defined Industrial	0.548007	0.045751	0.200309	0.124119	0.017133	0.006025	0.018861	0.028423	0.002391	0.002469	0.004915	0.000672	0.000925

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 Industrial	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**

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 Industrial	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	1.0000e-005	0.0000	1.0000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		2.2000e-004	2.2000e-004	0.0000		2.3000e-004
Unmitigated	1.0000e-005	0.0000	1.0000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		2.2000e-004	2.2000e-004	0.0000		2.3000e-004

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
Landscaping	1.0000e-005	0.0000	1.0000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		2.2000e-004	2.2000e-004	0.0000		2.3000e-004
Total	**1.0000e-005**	**0.0000**	**1.0000e-004**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**		**2.2000e-004**	**2.2000e-004**	**0.0000**		**2.3000e-004**

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
Landscaping	1.0000e-005	0.0000	1.0000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		2.2000e-004	2.2000e-004	0.0000		2.3000e-004
Total	**1.0000e-005**	**0.0000**	**1.0000e-004**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**		**2.2000e-004**	**2.2000e-004**	**0.0000**		**2.3000e-004**

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

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

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

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

DPW Reaches 101-105, 108-110, 112-121

Los Angeles-South Coast County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
User Defined Industrial	1.00	User Defined Unit	698.00	0.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	33
Climate Zone	9			**Operational Year**	2019
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	702.44	**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 reaches acreage

Construction Phase - .

Off-road Equipment - 2 Exc
8 hand-held

Off-road Equipment - 1 exc, 1 loader, 8 handheld

Off-road Equipment - 1 dozer, 2 loader, 2 exc, 1 machine-mower (other material), 12 hand-held

Off-road Equipment - 1 dozer, 1 loader, 1 material-handling, 9 general

Off-road Equipment - 1 loader, 8 other general industrial

Off-road Equipment - 1 loader, 2 exc, 4 handheld

Off-road Equipment - 1 loader, 2 mowers, 7 handheld

Off-road Equipment - 1 loader, 1 mower, 2 exc, 8 handheld

Off-road Equipment - 1 loader, 6 handheld

Off-road Equipment - 2 loaders, 1 mower, 2 exc, 28 handheld

Off-road Equipment - 2 dozers, 1 loader, 6 mowers, 2 exc, 22 handheld

Off-road Equipment - . 1 loader, 1 exc, 7 handheld

Off-road Equipment - No Equipment.

Trips and VMT - .

Grading - .

Construction Off-road Equipment Mitigation - Tier 3 for equipment over 50 HP

Table Name	Column Name	Default Value	New Value
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	14.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	12.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	13.00
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstructionPhase	NumDays	420.00	15.00
tblConstructionPhase	NumDays	420.00	3.00
tblConstructionPhase	NumDays	420.00	15.00
tblConstructionPhase	NumDays	420.00	15.00
tblConstructionPhase	NumDays	420.00	40.00
tblConstructionPhase	NumDays	420.00	5.00
tblConstructionPhase	NumDays	420.00	3.00
tblConstructionPhase	NumDays	420.00	60.00
tblConstructionPhase	NumDays	420.00	2.00
tblConstructionPhase	NumDays	420.00	15.00
tblConstructionPhase	NumDays	420.00	4.00

tblConstructionPhase	NumDays	420.00	1.00
tblConstructionPhase	NumDays	420.00	5.00
tblGrading	MaterialExported	0.00	250.00
tblGrading	MaterialExported	0.00	6,000.00
tblGrading	MaterialExported	0.00	600.00
tblGrading	MaterialExported	0.00	450.00
tblGrading	MaterialExported	0.00	400.00
tblGrading	MaterialExported	0.00	750.00
tblGrading	MaterialExported	0.00	1,528.00
tblGrading	MaterialExported	0.00	750.00
tblGrading	MaterialExported	0.00	100.00
tblGrading	MaterialExported	0.00	700.00
tblLandUse	LotAcreage	0.00	698.00
tblOffRoadEquipment	HorsePower	88.00	6.00
tblOffRoadEquipment	HorsePower	88.00	6.00
tblOffRoadEquipment	HorsePower	88.00	6.00
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tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	2.00
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tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	1.00
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tblTripsAndVMT	HaulingTripNumber	31.00	50.00
tblTripsAndVMT	HaulingTripNumber	750.00	1,200.00
tblTripsAndVMT	HaulingTripNumber	75.00	120.00
tblTripsAndVMT	HaulingTripNumber	56.00	180.00
tblTripsAndVMT	HaulingTripNumber	50.00	80.00

tblTripsAndVMT	HaulingTripNumber	94.00	150.00
tblTripsAndVMT	HaulingTripNumber	191.00	306.00
tblTripsAndVMT	HaulingTripNumber	94.00	150.00
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tblTripsAndVMT	HaulingTripNumber	13.00	20.00
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tblTripsAndVMT	WorkerTripNumber	23.00	20.00
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tblTripsAndVMT	WorkerTripNumber	18.00	30.00
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tblTripsAndVMT	WorkerTripNumber	25.00	12.00
tblTripsAndVMT	WorkerTripNumber	45.00	20.00
tblTripsAndVMT	WorkerTripNumber	30.00	12.00
tblTripsAndVMT	WorkerTripNumber	30.00	0.00
tblTripsAndVMT	WorkerTripNumber	18.00	12.00
tblTripsAndVMT	WorkerTripNumber	18.00	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					

2018	0.3472	3.3676	2.6278	4.5100e-003	0.1829	0.2064	0.3893	0.0871	0.1900	0.2771	0.0000	417.4437	417.4437	0.1015	0.0000	419.9813
2019	0.0877	0.8189	0.6723	1.1000e-003	0.1814	0.0418	0.2231	0.0978	0.0385	0.1362	0.0000	99.3745	99.3745	0.0291	0.0000	100.1009
Maximum	**0.3472**	**3.3676**	**2.6278**	**4.5100e-003**	**0.1829**	**0.2064**	**0.3893**	**0.0978**	**0.1900**	**0.2771**	**0.0000**	**417.4437**	**417.4437**	**0.1015**	**0.0000**	**419.9813**

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					
2018	0.2471	2.2077	2.7414	4.5100e-003	0.0999	0.1411	0.2409	0.0416	0.1300	0.1717	0.0000	417.4433	417.4433	0.1015	0.0000	419.9810
2019	0.0266	0.1214	0.7319	1.1000e-003	0.0748	5.9400e-003	0.0807	0.0392	5.5900e-003	0.0448	0.0000	99.3744	99.3744	0.0291	0.0000	100.1008
Maximum	**0.2471**	**2.2077**	**2.7414**	**4.5100e-003**	**0.0999**	**0.1411**	**0.2409**	**0.0416**	**0.1300**	**0.1717**	**0.0000**	**417.4433**	**417.4433**	**0.1015**	**0.0000**	**419.9810**

	ROG	NOx	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	**37.07**	**44.37**	**-5.25**	**0.00**	**52.05**	**40.78**	**47.48**	**56.27**	**40.62**	**47.63**	**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)
1	**9-1-2018**	**11-30-2018**	3.2512	2.3711
2	**12-1-2018**	**2-28-2019**	1.3148	0.2153
		Highest	3.2512	2.3711

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e

Category	tons/yr										MT/yr					
Area	0.0000	0.0000	1.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.0000e-005	2.0000e-005	0.0000	0.0000	3.0000e-005
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Waste						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Water						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**1.0000e-005**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**2.0000e-005**	**2.0000e-005**	**0.0000**	**0.0000**	**3.0000e-005**

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.0000	0.0000	1.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.0000e-005	2.0000e-005	0.0000	0.0000	3.0000e-005
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Waste						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Water						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**1.0000e-005**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**2.0000e-005**	**2.0000e-005**	**0.0000**	**0.0000**	**3.0000e-005**

	ROG	NOx	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	Reach 115	Site Preparation	2/9/2018	3/1/2018	5	15	
2	Reach 101	Site Preparation	9/1/2018	9/7/2018	5	5	
3	Site Preparation	Site Preparation	9/1/2018	9/5/2018	5	3	
4	Reach 113	Site Preparation	9/1/2018	11/23/2018	5	60	
5	Reach 102	Site Preparation	9/8/2018	9/11/2018	5	2	
6	Reach 103	Site Preparation	9/12/2018	10/2/2018	5	15	
7	Reach 104	Site Preparation	10/3/2018	10/8/2018	5	4	
8	Reach 105	Site Preparation	10/9/2018	10/9/2018	5	1	
9	Reach 108	Site Preparation	10/10/2018	10/16/2018	5	5	
10	Reach 109	Site Preparation	10/17/2018	10/19/2018	5	3	
11	Reach 110	Site Preparation	10/20/2018	11/9/2018	5	15	
12	Reach 112	Site Preparation	11/24/2018	12/14/2018	5	15	
13	Reach 114	Site Preparation	12/15/2018	2/8/2019	5	40	

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
Reach 115	Excavators	1	8.00	158	0.38
Reach 115	Other General Industrial Equipment	7	8.00	6	0.34
Reach 115	Rubber Tired Dozers	0	8.00	247	0.40
Reach 115	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Reach 101	Excavators	2	8.00	158	0.38
Reach 101	Other General Industrial Equipment	8	8.00	6	0.34

Reach 101	Rubber Tired Dozers	0	8.00	247	0.40
Reach 101	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Reach 114	Excavators	2	8.00	158	0.38
Reach 114	Other General Industrial Equipment	22	8.00	6	0.34
Reach 114	Other Material Handling Equipment	6	8.00	168	0.40
Reach 114	Rubber Tired Dozers	2	8.00	247	0.40
Reach 114	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Site Preparation	Rubber Tired Dozers	0	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Reach 102	Excavators	1	8.00	158	0.38
Reach 102	Other General Industrial Equipment	8	8.00	6	0.34
Reach 102	Rubber Tired Dozers	0	8.00	247	0.40
Reach 102	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Reach 103	Excavators	2	8.00	158	0.38
Reach 103	Other General Industrial Equipment	12	8.00	6	0.34
Reach 103	Other Material Handling Equipment	1	8.00	168	0.40
Reach 103	Rubber Tired Dozers	1	8.00	247	0.40
Reach 103	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Reach 104	Concrete/Industrial Saws	0		81	0.73
Reach 104	Excavators	0		158	0.38
Reach 104	Other General Industrial Equipment	9	8.00	6	0.34
Reach 104	Other Material Handling Equipment	1	8.00	168	0.40
Reach 104	Rubber Tired Dozers	1	8.00	247	0.40
Reach 104	Rubber Tired Dozers	0	8.00	247	0.40
Reach 104	Rubber Tired Dozers	0	8.00	247	0.40
Reach 104	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Reach 104	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Reach 105	Other General Industrial Equipment	8	8.00	6	0.34
Reach 105	Rubber Tired Dozers	0	8.00	247	0.40
Reach 105	Tractors/Loaders/Backhoes	1	8.00	97	0.37

Reach 108	Excavators	2	8.00	158	0.38
Reach 108	Other General Industrial Equipment	4	8.00	6	0.34
Reach 108	Rubber Tired Dozers	0	8.00	247	0.40
Reach 108	Rubber Tired Dozers	0	8.00	247	0.40
Reach 108	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Reach 108	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Reach 109	Other General Industrial Equipment	7	8.00	6	0.34
Reach 109	Other Material Handling Equipment	2	8.00	168	0.40
Reach 109	Rubber Tired Dozers	0	8.00	247	0.40
Reach 109	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Reach 110	Excavators	2	8.00	158	0.38
Reach 110	Other General Industrial Equipment	8	8.00	6	0.34
Reach 110	Other Material Handling Equipment	1	8.00	168	0.40
Reach 110	Rubber Tired Dozers	0	8.00	247	0.40
Reach 110	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Reach 112	Other General Industrial Equipment	6	8.00	6	0.34
Reach 112	Rubber Tired Dozers	0	8.00	247	0.40
Reach 112	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Reach 113	Excavators	2	8.00	158	0.38
Reach 113	Other General Industrial Equipment	28	6.00	88	0.34
Reach 113	Other Material Handling Equipment	1	8.00	168	0.40
Reach 113	Rubber Tired Dozers	0	8.00	247	0.40
Reach 113	Tractors/Loaders/Backhoes	2	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
Reach 115	9	20.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Reach 101	10	20.00	0.00	180.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Reach 114	33	36.00	0.00	120.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

Site Preparation	0	0.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Reach 102	10	12.00	0.00	150.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Reach 103	18	20.00	0.00	306.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Reach 104	12	12.00	0.00	150.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Reach 104	12	0.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Reach 105	9	23.00	0.00	20.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Reach 108	7	12.00	0.00	140.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Reach 108	7	0.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Reach 109	10	12.00	0.00	50.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Reach 110	12	16.00	0.00	1,200.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Reach 112	7	30.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Reach 113	33	40.00	0.00	80.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Water Exposed Area

3.2 Reach 115 - 2018

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	6.3400e-003	0.0524	0.0531	7.0000e-005		3.3000e-003	3.3000e-003		3.0400e-003	3.0400e-003	0.0000	6.6000	6.6000	2.0500e-003	0.0000	6.6514
Total	**6.3400e-003**	**0.0524**	**0.0531**	**7.0000e-005**	**0.0000**	**3.3000e-003**	**3.3000e-003**	**0.0000**	**3.0400e-003**	**3.0400e-003**	**0.0000**	**6.6000**	**6.6000**	**2.0500e-003**	**0.0000**	**6.6514**

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	8.3000e-004	7.1000e-004	7.6500e-003	2.0000e-005	1.6400e-003	1.0000e-005	1.6600e-003	4.4000e-004	1.0000e-005	4.5000e-004	0.0000	1.6332	1.6332	6.0000e-005	0.0000	1.6347
Total	**8.3000e-004**	**7.1000e-004**	**7.6500e-003**	**2.0000e-005**	**1.6400e-003**	**1.0000e-005**	**1.6600e-003**	**4.4000e-004**	**1.0000e-005**	**4.5000e-004**	**0.0000**	**1.6332**	**1.6332**	**6.0000e-005**	**0.0000**	**1.6347**

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	2.9400e-003	0.0127	0.0580	7.0000e-005		8.8000e-004	8.8000e-004		8.2000e-004	8.2000e-004	0.0000	6.6000	6.6000	2.0500e-003	0.0000	6.6514
Total	**2.9400e-003**	**0.0127**	**0.0580**	**7.0000e-005**	**0.0000**	**8.8000e-004**	**8.8000e-004**	**0.0000**	**8.2000e-004**	**8.2000e-004**	**0.0000**	**6.6000**	**6.6000**	**2.0500e-003**	**0.0000**	**6.6514**

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	8.3000e-004	7.1000e-004	7.6500e-003	2.0000e-005	1.6400e-003	1.0000e-005	1.6600e-003	4.4000e-004	1.0000e-005	4.5000e-004	0.0000	1.6332	1.6332	6.0000e-005	0.0000	1.6347
Total	**8.3000e-004**	**7.1000e-004**	**7.6500e-003**	**2.0000e-005**	**1.6400e-003**	**1.0000e-005**	**1.6600e-003**	**4.4000e-004**	**1.0000e-005**	**4.5000e-004**	**0.0000**	**1.6332**	**1.6332**	**6.0000e-005**	**0.0000**	**1.6347**

3.3 Reach 101 - 2018

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					3.0000e-005	0.0000	3.0000e-005	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.2800e-003	0.0191	0.0206	3.0000e-005		1.0500e-003	1.0500e-003		9.6000e-004	9.6000e-004	0.0000	2.7136	2.7136	8.4000e-004	0.0000	2.7348
Total	**2.2800e-003**	**0.0191**	**0.0206**	**3.0000e-005**	**3.0000e-005**	**1.0500e-003**	**1.0800e-003**	**0.0000**	**9.6000e-004**	**9.6000e-004**	**0.0000**	**2.7136**	**2.7136**	**8.4000e-004**	**0.0000**	**2.7348**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	9.0000e-004	0.0301	6.2000e-003	7.0000e-005	1.5500e-003	1.1000e-004	1.6600e-003	4.2000e-004	1.1000e-004	5.3000e-004	0.0000	7.0989	7.0989	5.0000e-004	0.0000	7.1114
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.8000e-004	2.4000e-004	2.5500e-003	1.0000e-005	5.5000e-004	0.0000	5.5000e-004	1.5000e-004	0.0000	1.5000e-004	0.0000	0.5444	0.5444	2.0000e-005	0.0000	0.5449

Total	**1.1800e-003**	**0.0303**	**8.7500e-003**	**8.0000e-005**	**2.1000e-003**	**1.1000e-004**	**2.2100e-003**	**5.7000e-004**	**1.1000e-004**	**6.8000e-004**	**0.0000**	**7.6433**	**7.6433**	**5.2000e-004**	**0.0000**	**7.6563**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					1.0000e-005	0.0000	1.0000e-005	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.1500e-003	4.9600e-003	0.0238	3.0000e-005		3.4000e-004	3.4000e-004		3.2000e-004	3.2000e-004	0.0000	2.7136	2.7136	8.4000e-004	0.0000	2.7348
Total	**1.1500e-003**	**4.9600e-003**	**0.0238**	**3.0000e-005**	**1.0000e-005**	**3.4000e-004**	**3.5000e-004**	**0.0000**	**3.2000e-004**	**3.2000e-004**	**0.0000**	**2.7136**	**2.7136**	**8.4000e-004**	**0.0000**	**2.7348**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	9.0000e-004	0.0301	6.2000e-003	7.0000e-005	1.5500e-003	1.1000e-004	1.6600e-003	4.2000e-004	1.1000e-004	5.3000e-004	0.0000	7.0989	7.0989	5.0000e-004	0.0000	7.1114
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.8000e-004	2.4000e-004	2.5500e-003	1.0000e-005	5.5000e-004	0.0000	5.5000e-004	1.5000e-004	0.0000	1.5000e-004	0.0000	0.5444	0.5444	2.0000e-005	0.0000	0.5449
Total	**1.1800e-003**	**0.0303**	**8.7500e-003**	**8.0000e-005**	**2.1000e-003**	**1.1000e-004**	**2.2100e-003**	**5.7000e-004**	**1.1000e-004**	**6.8000e-004**	**0.0000**	**7.6433**	**7.6433**	**5.2000e-004**	**0.0000**	**7.6563**

3.4 Site Preparation - 2018

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	0.0000	0.0000	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**

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**

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	0.0000	0.0000	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**

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**

3.5 Reach 113 - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					2.0000e-005	0.0000	2.0000e-005	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.2302	2.1092	1.7399	2.2800e-003		0.1565	0.1565		0.1440	0.1440	0.0000	208.3920	208.3920	0.0649	0.0000	210.0138
Total	**0.2302**	**2.1092**	**1.7399**	**2.2800e-003**	**2.0000e-005**	**0.1565**	**0.1566**	**0.0000**	**0.1440**	**0.1440**	**0.0000**	**208.3920**	**208.3920**	**0.0649**	**0.0000**	**210.0138**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	4.0000e-004	0.0134	2.7600e-003	3.0000e-005	6.9000e-004	5.0000e-005	7.4000e-004	1.9000e-004	5.0000e-005	2.4000e-004	0.0000	3.1551	3.1551	2.2000e-004	0.0000	3.1606
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	6.6500e-003	5.6900e-003	0.0612	1.4000e-004	0.0132	1.2000e-004	0.0133	3.4900e-003	1.1000e-004	3.6000e-003	0.0000	13.0655	13.0655	4.9000e-004	0.0000	13.0778
Total	**7.0500e-003**	**0.0191**	**0.0639**	**1.7000e-004**	**0.0138**	**1.7000e-004**	**0.0140**	**3.6800e-003**	**1.6000e-004**	**3.8400e-003**	**0.0000**	**16.2206**	**16.2206**	**7.1000e-004**	**0.0000**	**16.2384**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					1.0000e-005	0.0000	1.0000e-005	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.1935	1.6828	1.7959	2.2800e-003		0.1313	0.1313		0.1209	0.1209	0.0000	208.3917	208.3917	0.0649	0.0000	210.0136
Total	**0.1935**	**1.6828**	**1.7959**	**2.2800e-003**	**1.0000e-005**	**0.1313**	**0.1313**	**0.0000**	**0.1209**	**0.1209**	**0.0000**	**208.3917**	**208.3917**	**0.0649**	**0.0000**	**210.0136**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e

Category	tons/yr										MT/yr					
Hauling	4.0000e-004	0.0134	2.7600e-003	3.0000e-005	6.9000e-004	5.0000e-005	7.4000e-004	1.9000e-004	5.0000e-005	2.4000e-004	0.0000	3.1551	3.1551	2.2000e-004	0.0000	3.1606
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	6.6500e-003	5.6900e-003	0.0612	1.4000e-004	0.0132	1.2000e-004	0.0133	3.4900e-003	1.1000e-004	3.6000e-003	0.0000	13.0655	13.0655	4.9000e-004	0.0000	13.0778
Total	**7.0500e-003**	**0.0191**	**0.0639**	**1.7000e-004**	**0.0138**	**1.7000e-004**	**0.0140**	**3.6800e-003**	**1.6000e-004**	**3.8400e-003**	**0.0000**	**16.2206**	**16.2206**	**7.1000e-004**	**0.0000**	**16.2384**

3.6 Reach 102 - 2018

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					4.0000e-005	0.0000	4.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	8.9000e-004	7.1600e-003	7.2900e-003	1.0000e-005		4.6000e-004	4.6000e-004		4.2000e-004	4.2000e-004	0.0000	0.8978	0.8978	2.8000e-004	0.0000	0.9048
Total	**8.9000e-004**	**7.1600e-003**	**7.2900e-003**	**1.0000e-005**	**4.0000e-005**	**4.6000e-004**	**5.0000e-004**	**1.0000e-005**	**4.2000e-004**	**4.3000e-004**	**0.0000**	**0.8978**	**0.8978**	**2.8000e-004**	**0.0000**	**0.9048**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	7.5000e-004	0.0251	5.1700e-003	6.0000e-005	1.2900e-003	9.0000e-005	1.3800e-003	3.5000e-004	9.0000e-005	4.4000e-004	0.0000	5.9157	5.9157	4.2000e-004	0.0000	5.9261
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	7.0000e-005	6.0000e-005	6.1000e-004	0.0000	1.3000e-004	0.0000	1.3000e-004	3.0000e-005	0.0000	4.0000e-005	0.0000	0.1307	0.1307	0.0000	0.0000	0.1308

Total	**8.2000e-004**	**0.0251**	**5.7800e-003**	**6.0000e-005**	**1.4200e-003**	**9.0000e-005**	**1.5100e-003**	**3.8000e-004**	**9.0000e-005**	**4.8000e-004**	**0.0000**	**6.0464**	**6.0464**	**4.2000e-004**	**0.0000**	**6.0569**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					2.0000e-005	0.0000	2.0000e-005	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	4.3000e-004	1.8700e-003	7.9400e-003	1.0000e-005		1.3000e-004	1.3000e-004		1.2000e-004	1.2000e-004	0.0000	0.8978	0.8978	2.8000e-004	0.0000	0.9048
Total	**4.3000e-004**	**1.8700e-003**	**7.9400e-003**	**1.0000e-005**	**2.0000e-005**	**1.3000e-004**	**1.5000e-004**	**0.0000**	**1.2000e-004**	**1.2000e-004**	**0.0000**	**0.8978**	**0.8978**	**2.8000e-004**	**0.0000**	**0.9048**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	7.5000e-004	0.0251	5.1700e-003	6.0000e-005	1.2900e-003	9.0000e-005	1.3800e-003	3.5000e-004	9.0000e-005	4.4000e-004	0.0000	5.9157	5.9157	4.2000e-004	0.0000	5.9261
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	7.0000e-005	6.0000e-005	6.1000e-004	0.0000	1.3000e-004	0.0000	1.3000e-004	3.0000e-005	0.0000	4.0000e-005	0.0000	0.1307	0.1307	0.0000	0.0000	0.1308
Total	**8.2000e-004**	**0.0251**	**5.7800e-003**	**6.0000e-005**	**1.4200e-003**	**9.0000e-005**	**1.5100e-003**	**3.8000e-004**	**9.0000e-005**	**4.8000e-004**	**0.0000**	**6.0464**	**6.0464**	**4.2000e-004**	**0.0000**	**6.0569**

3.7 Reach 103 - 2018

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					0.0453	0.0000	0.0453	0.0248	0.0000	0.0248	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0237	0.2258	0.1645	2.5000e-004		0.0125	0.0125		0.0115	0.0115	0.0000	22.7410	22.7410	7.0800e-003	0.0000	22.9180
Total	**0.0237**	**0.2258**	**0.1645**	**2.5000e-004**	**0.0453**	**0.0125**	**0.0578**	**0.0248**	**0.0115**	**0.0363**	**0.0000**	**22.7410**	**22.7410**	**7.0800e-003**	**0.0000**	**22.9180**

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	1.5400e-003	0.0511	0.0105	1.2000e-004	2.6300e-003	1.9000e-004	2.8200e-003	7.2000e-004	1.8000e-004	9.0000e-004	0.0000	12.0681	12.0681	8.5000e-004	0.0000	12.0893
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	8.3000e-004	7.1000e-004	7.6500e-003	2.0000e-005	1.6400e-003	1.0000e-005	1.6600e-003	4.4000e-004	1.0000e-005	4.5000e-004	0.0000	1.6332	1.6332	6.0000e-005	0.0000	1.6347
Total	**2.3700e-003**	**0.0518**	**0.0182**	**1.4000e-004**	**4.2700e-003**	**2.0000e-004**	**4.4800e-003**	**1.1600e-003**	**1.9000e-004**	**1.3500e-003**	**0.0000**	**13.7012**	**13.7012**	**9.1000e-004**	**0.0000**	**13.7241**

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					0.0177	0.0000	0.0177	9.6900e-003	0.0000	9.6900e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	6.5800e-003	0.0284	0.1744	2.5000e-004		1.7200e-003	1.7200e-003		1.6100e-003	1.6100e-003	0.0000	22.7409	22.7409	7.0800e-003	0.0000	22.9179
Total	**6.5800e-003**	**0.0284**	**0.1744**	**2.5000e-004**	**0.0177**	**1.7200e-003**	**0.0194**	**9.6900e-003**	**1.6100e-003**	**0.0113**	**0.0000**	**22.7409**	**22.7409**	**7.0800e-003**	**0.0000**	**22.9179**

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	1.5400e-003	0.0511	0.0105	1.2000e-004	2.6300e-003	1.9000e-004	2.8200e-003	7.2000e-004	1.8000e-004	9.0000e-004	0.0000	12.0681	12.0681	8.5000e-004	0.0000	12.0893
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	8.3000e-004	7.1000e-004	7.6500e-003	2.0000e-005	1.6400e-003	1.0000e-005	1.6600e-003	4.4000e-004	1.0000e-005	4.5000e-004	0.0000	1.6332	1.6332	6.0000e-005	0.0000	1.6347
Total	**2.3700e-003**	**0.0518**	**0.0182**	**1.4000e-004**	**4.2700e-003**	**2.0000e-004**	**4.4800e-003**	**1.1600e-003**	**1.9000e-004**	**1.3500e-003**	**0.0000**	**13.7012**	**13.7012**	**9.1000e-004**	**0.0000**	**13.7241**

3.8 Reach 104 - 2018

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					0.0241	0.0000	0.0241	0.0133	0.0000	0.0133	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	4.3900e-003	0.0415	0.0248	4.0000e-005		2.2700e-003	2.2700e-003		2.0900e-003	2.0900e-003	0.0000	3.5043	3.5043	1.0900e-003	0.0000	3.5316
Total	**4.3900e-003**	**0.0415**	**0.0248**	**4.0000e-005**	**0.0241**	**2.2700e-003**	**0.0264**	**0.0133**	**2.0900e-003**	**0.0153**	**0.0000**	**3.5043**	**3.5043**	**1.0900e-003**	**0.0000**	**3.5316**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	7.5000e-004	0.0251	5.1700e-003	6.0000e-005	2.2600e-003	9.0000e-005	2.3500e-003	5.9000e-004	9.0000e-005	6.8000e-004	0.0000	5.9157	5.9157	4.2000e-004	0.0000	5.9261
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.3000e-004	1.1000e-004	1.2200e-003	0.0000	4.9000e-004	0.0000	4.9000e-004	1.3000e-004	0.0000	1.3000e-004	0.0000	0.2613	0.2613	1.0000e-005	0.0000	0.2616
Total	**8.8000e-004**	**0.0252**	**6.3900e-003**	**6.0000e-005**	**2.7500e-003**	**9.0000e-005**	**2.8400e-003**	**7.2000e-004**	**9.0000e-005**	**8.1000e-004**	**0.0000**	**6.1770**	**6.1770**	**4.3000e-004**	**0.0000**	**6.1877**

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					9.4100e-003	0.0000	9.4100e-003	5.1700e-003	0.0000	5.1700e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.1700e-003	5.0800e-003	0.0249	4.0000e-005		3.2000e-004	3.2000e-004		3.0000e-004	3.0000e-004	0.0000	3.5043	3.5043	1.0900e-003	0.0000	3.5315
Total	**1.1700e-003**	**5.0800e-003**	**0.0249**	**4.0000e-005**	**9.4100e-003**	**3.2000e-004**	**9.7300e-003**	**5.1700e-003**	**3.0000e-004**	**5.4700e-003**	**0.0000**	**3.5043**	**3.5043**	**1.0900e-003**	**0.0000**	**3.5315**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e

Category	tons/yr										MT/yr					
Hauling	7.5000e-004	0.0251	5.1700e-003	6.0000e-005	2.2600e-003	9.0000e-005	2.3500e-003	5.9000e-004	9.0000e-005	6.8000e-004	0.0000	5.9157	5.9157	4.2000e-004	0.0000	5.9261
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.3000e-004	1.1000e-004	1.2200e-003	0.0000	4.9000e-004	0.0000	4.9000e-004	1.3000e-004	0.0000	1.3000e-004	0.0000	0.2613	0.2613	1.0000e-005	0.0000	0.2616
Total	**8.8000e-004**	**0.0252**	**6.3900e-003**	**6.0000e-005**	**2.7500e-003**	**9.0000e-005**	**2.8400e-003**	**7.2000e-004**	**9.0000e-005**	**8.1000e-004**	**0.0000**	**6.1770**	**6.1770**	**4.3000e-004**	**0.0000**	**6.1877**

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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					1.0000e-005	0.0000	1.0000e-005	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	3.0000e-004	2.0300e-003	2.0100e-003	0.0000		1.5000e-004	1.5000e-004		1.4000e-004	1.4000e-004	0.0000	0.2132	0.2132	7.0000e-005	0.0000	0.2149
Total	**3.0000e-004**	**2.0300e-003**	**2.0100e-003**	**0.0000**	**1.0000e-005**	**1.5000e-004**	**1.6000e-004**	**0.0000**	**1.4000e-004**	**1.4000e-004**	**0.0000**	**0.2132**	**0.2132**	**7.0000e-005**	**0.0000**	**0.2149**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	1.0000e-004	3.3400e-003	6.9000e-004	1.0000e-005	1.7000e-004	1.0000e-005	1.8000e-004	5.0000e-005	1.0000e-005	6.0000e-005	0.0000	0.7888	0.7888	6.0000e-005	0.0000	0.7902
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	6.0000e-005	5.0000e-005	5.9000e-004	0.0000	1.3000e-004	0.0000	1.3000e-004	3.0000e-005	0.0000	3.0000e-005	0.0000	0.1252	0.1252	0.0000	0.0000	0.1253

Total	**1.6000e-004**	**3.3900e-003**	**1.2800e-003**	**1.0000e-005**	**3.0000e-004**	**1.0000e-005**	**3.1000e-004**	**8.0000e-005**	**1.0000e-005**	**9.0000e-005**	**0.0000**	**0.9140**	**0.9140**	**6.0000e-005**	**0.0000**	**0.9155**

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	1.9000e-004	8.0000e-004	2.0100e-003	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005	0.0000	0.2132	0.2132	7.0000e-005	0.0000	0.2149
Total	**1.9000e-004**	**8.0000e-004**	**2.0100e-003**	**0.0000**	**0.0000**	**6.0000e-005**	**6.0000e-005**	**0.0000**	**6.0000e-005**	**6.0000e-005**	**0.0000**	**0.2132**	**0.2132**	**7.0000e-005**	**0.0000**	**0.2149**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	1.0000e-004	3.3400e-003	6.9000e-004	1.0000e-005	1.7000e-004	1.0000e-005	1.8000e-004	5.0000e-005	1.0000e-005	6.0000e-005	0.0000	0.7888	0.7888	6.0000e-005	0.0000	0.7902
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	6.0000e-005	5.0000e-005	5.9000e-004	0.0000	1.3000e-004	0.0000	1.3000e-004	3.0000e-005	0.0000	3.0000e-005	0.0000	0.1252	0.1252	0.0000	0.0000	0.1253
Total	**1.6000e-004**	**3.3900e-003**	**1.2800e-003**	**1.0000e-005**	**3.0000e-004**	**1.0000e-005**	**3.1000e-004**	**8.0000e-005**	**1.0000e-005**	**9.0000e-005**	**0.0000**	**0.9140**	**0.9140**	**6.0000e-005**	**0.0000**	**0.9155**

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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					4.0000e-005	0.0000	4.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.5300e-003	0.0238	0.0243	4.0000e-005		1.3700e-003	1.3700e-003		1.2600e-003	1.2600e-003	0.0000	3.2446	3.2446	1.0100e-003	0.0000	3.2698
Total	**2.5300e-003**	**0.0238**	**0.0243**	**4.0000e-005**	**4.0000e-005**	**1.3700e-003**	**1.4100e-003**	**1.0000e-005**	**1.2600e-003**	**1.2700e-003**	**0.0000**	**3.2446**	**3.2446**	**1.0100e-003**	**0.0000**	**3.2698**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	7.0000e-004	0.0234	4.8200e-003	6.0000e-005	2.1100e-003	9.0000e-005	2.1900e-003	5.5000e-004	8.0000e-005	6.4000e-004	0.0000	5.5213	5.5213	3.9000e-004	0.0000	5.5311
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.7000e-004	1.4000e-004	1.5300e-003	0.0000	6.1000e-004	0.0000	6.2000e-004	1.6000e-004	0.0000	1.6000e-004	0.0000	0.3266	0.3266	1.0000e-005	0.0000	0.3270
Total	**8.7000e-004**	**0.0235**	**6.3500e-003**	**6.0000e-005**	**2.7200e-003**	**9.0000e-005**	**2.8100e-003**	**7.1000e-004**	**8.0000e-005**	**8.0000e-004**	**0.0000**	**5.8480**	**5.8480**	**4.0000e-004**	**0.0000**	**5.8580**

Mitigated Construction On-Site

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

Fugitive Dust					2.0000e-005	0.0000	2.0000e-005	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	8.3000e-004	3.5800e-003	0.0275	4.0000e-005		2.0000e-004	2.0000e-004		1.9000e-004	1.9000e-004	0.0000	3.2446	3.2446	1.0100e-003	0.0000	3.2698
Total	**8.3000e-004**	**3.5800e-003**	**0.0275**	**4.0000e-005**	**2.0000e-005**	**2.0000e-004**	**2.2000e-004**	**0.0000**	**1.9000e-004**	**1.9000e-004**	**0.0000**	**3.2446**	**3.2446**	**1.0100e-003**	**0.0000**	**3.2698**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	7.0000e-004	0.0234	4.8200e-003	6.0000e-005	2.1100e-003	9.0000e-005	2.1900e-003	5.5000e-004	8.0000e-005	6.4000e-004	0.0000	5.5213	5.5213	3.9000e-004	0.0000	5.5311
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.7000e-004	1.4000e-004	1.5300e-003	0.0000	6.1000e-004	0.0000	6.2000e-004	1.6000e-004	0.0000	1.6000e-004	0.0000	0.3266	0.3266	1.0000e-005	0.0000	0.3270
Total	**8.7000e-004**	**0.0235**	**6.3500e-003**	**6.0000e-005**	**2.7200e-003**	**9.0000e-005**	**2.8100e-003**	**7.1000e-004**	**8.0000e-005**	**8.0000e-004**	**0.0000**	**5.8480**	**5.8480**	**4.0000e-004**	**0.0000**	**5.8580**

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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					1.0000e-005	0.0000	1.0000e-005	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.0000e-003	0.0177	0.0172	2.0000e-005		1.0500e-003	1.0500e-003		9.7000e-004	9.7000e-004	0.0000	2.1954	2.1954	6.8000e-004	0.0000	2.2125
Total	**2.0000e-003**	**0.0177**	**0.0172**	**2.0000e-005**	**1.0000e-005**	**1.0500e-003**	**1.0600e-003**	**0.0000**	**9.7000e-004**	**9.7000e-004**	**0.0000**	**2.1954**	**2.1954**	**6.8000e-004**	**0.0000**	**2.2125**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	2.5000e-004	8.3500e-003	1.7200e-003	2.0000e-005	4.3000e-004	3.0000e-005	4.6000e-004	1.2000e-004	3.0000e-005	1.5000e-004	0.0000	1.9719	1.9719	1.4000e-004	0.0000	1.9754
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.0000e-004	9.0000e-005	9.2000e-004	0.0000	2.0000e-004	0.0000	2.0000e-004	5.0000e-005	0.0000	5.0000e-005	0.0000	0.1960	0.1960	1.0000e-005	0.0000	0.1962
Total	**3.5000e-004**	**8.4400e-003**	**2.6400e-003**	**2.0000e-005**	**6.3000e-004**	**3.0000e-005**	**6.6000e-004**	**1.7000e-004**	**3.0000e-005**	**2.0000e-004**	**0.0000**	**2.1679**	**2.1679**	**1.5000e-004**	**0.0000**	**2.1716**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					1.0000e-005	0.0000	1.0000e-005	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	7.1000e-004	3.0500e-003	0.0189	2.0000e-005		1.9000e-004	1.9000e-004		1.8000e-004	1.8000e-004	0.0000	2.1954	2.1954	6.8000e-004	0.0000	2.2125
Total	**7.1000e-004**	**3.0500e-003**	**0.0189**	**2.0000e-005**	**1.0000e-005**	**1.9000e-004**	**2.0000e-004**	**0.0000**	**1.8000e-004**	**1.8000e-004**	**0.0000**	**2.1954**	**2.1954**	**6.8000e-004**	**0.0000**	**2.2125**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e

Category	tons/yr										MT/yr					
Hauling	2.5000e-004	8.3500e-003	1.7200e-003	2.0000e-005	4.3000e-004	3.0000e-005	4.6000e-004	1.2000e-004	3.0000e-005	1.5000e-004	0.0000	1.9719	1.9719	1.4000e-004	0.0000	1.9754
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.0000e-004	9.0000e-005	9.2000e-004	0.0000	2.0000e-004	0.0000	2.0000e-004	5.0000e-005	0.0000	5.0000e-005	0.0000	0.1960	0.1960	1.0000e-005	0.0000	0.1962
Total	**3.5000e-004**	**8.4400e-003**	**2.6400e-003**	**2.0000e-005**	**6.3000e-004**	**3.0000e-005**	**6.6000e-004**	**1.7000e-004**	**3.0000e-005**	**2.0000e-004**	**0.0000**	**2.1679**	**2.1679**	**1.5000e-004**	**0.0000**	**2.1716**

3.12 Reach 110 - 2018

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					3.4000e-004	0.0000	3.4000e-004	5.0000e-005	0.0000	5.0000e-005	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0117	0.1065	0.1078	1.6000e-004		6.0800e-003	6.0800e-003		5.5900e-003	5.5900e-003	0.0000	14.2251	14.2251	4.4300e-003	0.0000	14.3358
Total	**0.0117**	**0.1065**	**0.1078**	**1.6000e-004**	**3.4000e-004**	**6.0800e-003**	**6.4200e-003**	**5.0000e-005**	**5.5900e-003**	**5.6400e-003**	**0.0000**	**14.2251**	**14.2251**	**4.4300e-003**	**0.0000**	**14.3358**

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	6.0200e-003	0.2004	0.0413	4.8000e-004	0.0103	7.4000e-004	0.0111	2.8300e-003	7.1000e-004	3.5400e-003	0.0000	47.3257	47.3257	3.3400e-003	0.0000	47.4091
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	6.6000e-004	5.7000e-004	6.1200e-003	1.0000e-005	1.3100e-003	1.0000e-005	1.3300e-003	3.5000e-004	1.0000e-005	3.6000e-004	0.0000	1.3066	1.3066	5.0000e-005	0.0000	1.3078

Total	**6.6800e-003**	**0.2010**	**0.0475**	**4.9000e-004**	**0.0116**	**7.5000e-004**	**0.0124**	**3.1800e-003**	**7.2000e-004**	**3.9000e-003**	**0.0000**	**48.6323**	**48.6323**	**3.3900e-003**	**0.0000**	**48.7169**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					1.3000e-004	0.0000	1.3000e-004	2.0000e-005	0.0000	2.0000e-005	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	4.2600e-003	0.0184	0.1218	1.6000e-004		1.1300e-003	1.1300e-003		1.0600e-003	1.0600e-003	0.0000	14.2251	14.2251	4.4300e-003	0.0000	14.3358
Total	**4.2600e-003**	**0.0184**	**0.1218**	**1.6000e-004**	**1.3000e-004**	**1.1300e-003**	**1.2600e-003**	**2.0000e-005**	**1.0600e-003**	**1.0800e-003**	**0.0000**	**14.2251**	**14.2251**	**4.4300e-003**	**0.0000**	**14.3358**

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	6.0200e-003	0.2004	0.0413	4.8000e-004	0.0103	7.4000e-004	0.0111	2.8300e-003	7.1000e-004	3.5400e-003	0.0000	47.3257	47.3257	3.3400e-003	0.0000	47.4091
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	6.6000e-004	5.7000e-004	6.1200e-003	1.0000e-005	1.3100e-003	1.0000e-005	1.3300e-003	3.5000e-004	1.0000e-005	3.6000e-004	0.0000	1.3066	1.3066	5.0000e-005	0.0000	1.3078
Total	**6.6800e-003**	**0.2010**	**0.0475**	**4.9000e-004**	**0.0116**	**7.5000e-004**	**0.0124**	**3.1800e-003**	**7.2000e-004**	**3.9000e-003**	**0.0000**	**48.6323**	**48.6323**	**3.3900e-003**	**0.0000**	**48.7169**

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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	3.8600e-003	0.0278	0.0270	3.0000e-005		2.0700e-003	2.0700e-003		1.9000e-003	1.9000e-003	0.0000	2.9310	2.9310	9.1000e-004	0.0000	2.9538
Total	**3.8600e-003**	**0.0278**	**0.0270**	**3.0000e-005**	**0.0000**	**2.0700e-003**	**2.0700e-003**	**0.0000**	**1.9000e-003**	**1.9000e-003**	**0.0000**	**2.9310**	**2.9310**	**9.1000e-004**	**0.0000**	**2.9538**

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	1.2500e-003	1.0700e-003	0.0115	3.0000e-005	2.4700e-003	2.0000e-005	2.4900e-003	6.5000e-004	2.0000e-005	6.8000e-004	0.0000	2.4498	2.4498	9.0000e-005	0.0000	2.4521
Total	**1.2500e-003**	**1.0700e-003**	**0.0115**	**3.0000e-005**	**2.4700e-003**	**2.0000e-005**	**2.4900e-003**	**6.5000e-004**	**2.0000e-005**	**6.8000e-004**	**0.0000**	**2.4498**	**2.4498**	**9.0000e-005**	**0.0000**	**2.4521**

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	2.1500e-003	9.2900e-003	0.0270	3.0000e-005		7.1000e-004	7.1000e-004		6.5000e-004	6.5000e-004	0.0000	2.9310	2.9310	9.1000e-004	0.0000	2.9538
Total	**2.1500e-003**	**9.2900e-003**	**0.0270**	**3.0000e-005**	**0.0000**	**7.1000e-004**	**7.1000e-004**	**0.0000**	**6.5000e-004**	**6.5000e-004**	**0.0000**	**2.9310**	**2.9310**	**9.1000e-004**	**0.0000**	**2.9538**

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	1.2500e-003	1.0700e-003	0.0115	3.0000e-005	2.4700e-003	2.0000e-005	2.4900e-003	6.5000e-004	2.0000e-005	6.8000e-004	0.0000	2.4498	2.4498	9.0000e-005	0.0000	2.4521
Total	**1.2500e-003**	**1.0700e-003**	**0.0115**	**3.0000e-005**	**2.4700e-003**	**2.0000e-005**	**2.4900e-003**	**6.5000e-004**	**2.0000e-005**	**6.8000e-004**	**0.0000**	**2.4498**	**2.4498**	**9.0000e-005**	**0.0000**	**2.4521**

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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					0.0663	0.0000	0.0663	0.0364	0.0000	0.0364	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0353	0.3387	0.2483	3.8000e-004		0.0179	0.0179		0.0165	0.0165	0.0000	34.8949	34.8949	0.0109	0.0000	35.1664
Total	**0.0353**	**0.3387**	**0.2483**	**3.8000e-004**	**0.0663**	**0.0179**	**0.0842**	**0.0364**	**0.0165**	**0.0529**	**0.0000**	**34.8949**	**34.8949**	**0.0109**	**0.0000**	**35.1664**

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	1.7000e-004	5.5100e-003	1.1400e-003	1.0000e-005	8.5000e-004	2.0000e-005	8.7000e-004	2.2000e-004	2.0000e-005	2.4000e-004	0.0000	1.3015	1.3015	9.0000e-005	0.0000	1.3038
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.1000e-003	9.4000e-004	0.0101	2.0000e-005	2.1700e-003	2.0000e-005	2.1900e-003	5.8000e-004	2.0000e-005	5.9000e-004	0.0000	2.1558	2.1558	8.0000e-005	0.0000	2.1578
Total	**1.2700e-003**	**6.4500e-003**	**0.0112**	**3.0000e-005**	**3.0200e-003**	**4.0000e-005**	**3.0600e-003**	**8.0000e-004**	**4.0000e-005**	**8.3000e-004**	**0.0000**	**3.4573**	**3.4573**	**1.7000e-004**	**0.0000**	**3.4616**

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					0.0259	0.0000	0.0259	0.0142	0.0000	0.0142	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	9.4300e-003	0.0408	0.2682	3.8000e-004		2.3900e-003	2.3900e-003		2.2400e-003	2.2400e-003	0.0000	34.8948	34.8948	0.0109	0.0000	35.1664
Total	**9.4300e-003**	**0.0408**	**0.2682**	**3.8000e-004**	**0.0259**	**2.3900e-003**	**0.0282**	**0.0142**	**2.2400e-003**	**0.0164**	**0.0000**	**34.8948**	**34.8948**	**0.0109**	**0.0000**	**35.1664**

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	1.7000e-004	5.5100e-003	1.1400e-003	1.0000e-005	8.5000e-004	2.0000e-005	8.7000e-004	2.2000e-004	2.0000e-005	2.4000e-004	0.0000	1.3015	1.3015	9.0000e-005	0.0000	1.3038
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.1000e-003	9.4000e-004	0.0101	2.0000e-005	2.1700e-003	2.0000e-005	2.1900e-003	5.8000e-004	2.0000e-005	5.9000e-004	0.0000	2.1558	2.1558	8.0000e-005	0.0000	2.1578
Total	**1.2700e-003**	**6.4500e-003**	**0.0112**	**3.0000e-005**	**3.0200e-003**	**4.0000e-005**	**3.0600e-003**	**8.0000e-004**	**4.0000e-005**	**8.3000e-004**	**0.0000**	**3.4573**	**3.4573**	**1.7000e-004**	**0.0000**	**3.4616**

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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					0.1747	0.0000	0.1747	0.0960	0.0000	0.0960	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0846	0.8030	0.6457	1.0100e-003		0.0417	0.0417		0.0384	0.0384	0.0000	90.4887	90.4887	0.0286	0.0000	91.2044
Total	**0.0846**	**0.8030**	**0.6457**	**1.0100e-003**	**0.1747**	**0.0417**	**0.2164**	**0.0960**	**0.0384**	**0.1344**	**0.0000**	**90.4887**	**90.4887**	**0.0286**	**0.0000**	**91.2044**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	4.1000e-004	0.0138	2.9200e-003	3.0000e-005	9.6000e-004	5.0000e-005	1.0100e-003	2.6000e-004	5.0000e-005	3.0000e-004	0.0000	3.3873	3.3873	2.4000e-004	0.0000	3.3933
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.6100e-003	2.1800e-003	0.0237	6.0000e-005	5.7200e-003	5.0000e-005	5.7700e-003	1.5200e-003	5.0000e-005	1.5700e-003	0.0000	5.4985	5.4985	1.9000e-004	0.0000	5.5033

Total	**3.0200e-003**	**0.0160**	**0.0266**	**9.0000e-005**	**6.6800e-003**	**1.0000e-004**	**6.7800e-003**	**1.7800e-003**	**1.0000e-004**	**1.8700e-003**	**0.0000**	**8.8858**	**8.8858**	**4.3000e-004**	**0.0000**	**8.8965**

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					0.0681	0.0000	0.0681	0.0374	0.0000	0.0374	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0236	0.1055	0.7053	1.0100e-003		5.8400e-003	5.8400e-003		5.4900e-003	5.4900e-003	0.0000	90.4886	90.4886	0.0286	0.0000	91.2043
Total	**0.0236**	**0.1055**	**0.7053**	**1.0100e-003**	**0.0681**	**5.8400e-003**	**0.0740**	**0.0374**	**5.4900e-003**	**0.0429**	**0.0000**	**90.4886**	**90.4886**	**0.0286**	**0.0000**	**91.2043**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	4.1000e-004	0.0138	2.9200e-003	3.0000e-005	9.6000e-004	5.0000e-005	1.0100e-003	2.6000e-004	5.0000e-005	3.0000e-004	0.0000	3.3873	3.3873	2.4000e-004	0.0000	3.3933
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.6100e-003	2.1800e-003	0.0237	6.0000e-005	5.7200e-003	5.0000e-005	5.7700e-003	1.5200e-003	5.0000e-005	1.5700e-003	0.0000	5.4985	5.4985	1.9000e-004	0.0000	5.5033
Total	**3.0200e-003**	**0.0160**	**0.0266**	**9.0000e-005**	**6.6800e-003**	**1.0000e-004**	**6.7800e-003**	**1.7800e-003**	**1.0000e-004**	**1.8700e-003**	**0.0000**	**8.8858**	**8.8858**	**4.3000e-004**	**0.0000**	**8.8965**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

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

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
User Defined Industrial	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 Industrial	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
User Defined Industrial	0.548007	0.045751	0.200309	0.124119	0.017133	0.006025	0.018861	0.028423	0.002391	0.002469	0.004915	0.000672	0.000925

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

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

5.2 Energy by Land Use - NaturalGas

Unmitigated

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

Mitigated

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

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
User Defined Industrial	0	0.0000	0.0000	0.0000	0.0000
Total		**0.0000**	**0.0000**	**0.0000**	**0.0000**

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
User Defined Industrial	0	0.0000	0.0000	0.0000	0.0000
Total		**0.0000**	**0.0000**	**0.0000**	**0.0000**

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.0000	0.0000	1.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.0000e-005	2.0000e-005	0.0000	0.0000	3.0000e-005
Unmitigated	0.0000	0.0000	1.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.0000e-005	2.0000e-005	0.0000	0.0000	3.0000e-005

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.0000	0.0000	1.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.0000e-005	2.0000e-005	0.0000	0.0000	3.0000e-005
Total	**0.0000**	**0.0000**	**1.0000e-005**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**2.0000e-005**	**2.0000e-005**	**0.0000**	**0.0000**	**3.0000e-005**

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.0000	0.0000	1.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.0000e-005	2.0000e-005	0.0000	0.0000	3.0000e-005
Total	**0.0000**	**0.0000**	**1.0000e-005**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**2.0000e-005**	**2.0000e-005**	**0.0000**	**0.0000**	**3.0000e-005**

7.0 Water Detail

7.1 Mitigation Measures Water

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

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
User Defined Industrial	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		**0.0000**	**0.0000**	**0.0000**	**0.0000**

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
User Defined Industrial	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		**0.0000**	**0.0000**	**0.0000**	**0.0000**

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

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

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
User Defined Industrial	0	0.0000	0.0000	0.0000	0.0000
Total		**0.0000**	**0.0000**	**0.0000**	**0.0000**

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
User Defined Industrial	0	0.0000	0.0000	0.0000	0.0000
Total		**0.0000**	**0.0000**	**0.0000**	**0.0000**

9.0 Operational Offroad

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

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

Stickleback Ranch Mitigation Area - Los Angeles-South Coast County, Winter

Stickleback Ranch Mitigation Area

Los Angeles-South Coast County, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
User Defined Industrial	1.00	User Defined Unit	31.50	0.00	0

1.2 Other Project Characteristics

Urbanization	Rural	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	33
Climate Zone	9			**Operational Year**	2020
Utility Company	Los Angeles Department of Water & Power				
CO2 Intensity (lb/MWhr)	1227.89	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - .

Land Use - Acreage from Nov 2018 Stickleback Mitigation Plan

Off-road Equipment - .

Construction Phase - .

Off-road Equipment - .

Off-road Equipment - .

Off-road Equipment - .

Off-road Equipment - .

Off-road Equipment - .

Off-road Equipment - .

Off-road Equipment - .

Off-road Equipment - .

Off-road Equipment - .

Off-road Equipment - .

Off-road Equipment - .

Off-road Equipment - .

Off-road Equipment - .

Off-road Equipment - .

Grading - .

Demolition - .

Trips and VMT - .

Fleet Mix - .

Energy Use -

Construction Off-road Equipment Mitigation - .

Table Name	Column Name	Default Value	New Value
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tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
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tblConstructionPhase	NumDays	20.00	4.00

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tblConstructionPhase	PhaseEndDate	1/28/2022	10/7/2019
tblConstructionPhase	PhaseEndDate	11/8/2019	9/17/2019
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tblGrading	MaterialExported	0.00	10.00
tblGrading	MaterialExported	0.00	20.00
tblLandUse	LotAcreage	0.00	31.50
tblOffRoadEquipment	HorsePower	88.00	6.00
tblOffRoadEquipment	HorsePower	88.00	6.00
tblOffRoadEquipment	HorsePower	247.00	88.00

tblOffRoadEquipment	HorsePower	88.00	6.00
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tblOffRoadEquipment	OffRoadEquipmentType		Other General Industrial Equipment
tblOffRoadEquipment	OffRoadEquipmentType		Rubber Tired Loaders
tblOffRoadEquipment	OffRoadEquipmentType		Excavators
tblOffRoadEquipment	OffRoadEquipmentType		Rubber Tired Loaders
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tblOffRoadEquipment	OffRoadEquipmentType		Rubber Tired Loaders
tblOffRoadEquipment	OffRoadEquipmentType		Rubber Tired Loaders
tblOffRoadEquipment	OffRoadEquipmentType		Other General Industrial Equipment
tblOffRoadEquipment	OffRoadEquipmentType		Rubber Tired Loaders
tblOffRoadEquipment	OffRoadEquipmentType		Excavators
tblOffRoadEquipment	OffRoadEquipmentType		Other Material Handling Equipment
tblOffRoadEquipment	OffRoadEquipmentType		Other General Industrial Equipment
tblOffRoadEquipment	OffRoadEquipmentType		Rubber Tired Dozers
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tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
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tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
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tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
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tblOffRoadEquipment	UsageHours	8.00	0.00
tblProjectCharacteristics	UrbanizationLevel	Urban	Rural
tblTripsAndVMT	HaulingTripLength	20.00	60.00
tblTripsAndVMT	HaulingTripLength	20.00	60.00
tblTripsAndVMT	HaulingTripLength	20.00	60.00

tblTripsAndVMT	HaulingTripLength	20.00	60.00
tblTripsAndVMT	HaulingTripLength	20.00	60.00
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tblTripsAndVMT	HaulingTripNumber	3.00	2.00
tblTripsAndVMT	VendorTripNumber	0.00	2.00
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tblTripsAndVMT	WorkerTripNumber	25.00	8.00
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tblTripsAndVMT	WorkerTripNumber	0.00	3.00
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tblTripsAndVMT	WorkerTripNumber	0.00	3.00
tblTripsAndVMT	WorkerTripNumber	20.00	2.00

tblTripsAndVMT	WorkerTripNumber	3.00	7.00

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	1.4448	14.9445	11.7843	0.0342	6.1275	0.7190	6.8464	3.3382	0.6614	3.9996	0.0000	3,585.6799	3,585.6799	0.5384	0.0000	3,598.3391
2020	2.9517	29.5403	20.8570	0.0363	6.0522	1.5829	7.6351	3.3182	1.4563	4.7745	0.0000	3,514.0450	3,514.0450	1.1278	0.0000	3,542.2409
Maximum	**2.9517**	**29.5403**	**20.8570**	**0.0363**	**6.1275**	**1.5829**	**7.6351**	**3.3382**	**1.4563**	**4.7745**	**0.0000**	**3,585.6799**	**3,585.6799**	**1.1278**	**0.0000**	**3,598.3391**

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	0.5054	8.0467	13.0440	0.0342	2.4540	0.1233	2.4773	1.3189	0.1146	1.3422	0.0000	3,585.6799	3,585.6799	0.5384	0.0000	3,598.3391
2020	1.2710	9.9527	23.0364	0.0363	2.3787	0.6670	3.0457	1.2990	0.6170	1.9160	0.0000	3,514.0450	3,514.0450	1.1278	0.0000	3,542.2409
Maximum	**1.2710**	**9.9527**	**23.0364**	**0.0363**	**2.4540**	**0.6670**	**3.0457**	**1.3189**	**0.6170**	**1.9160**	**0.0000**	**3,585.6799**	**3,585.6799**	**1.1278**	**0.0000**	**3,598.3391**

	ROG	NOx	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	**59.60**	**59.54**	**-10.54**	**0.00**	**60.32**	**65.67**	**61.86**	**60.67**	**65.45**	**62.87**	**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	1.0000e-005	0.0000	1.0000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		2.2000e-004	2.2000e-004	0.0000		2.3000e-004
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	**1.0000e-005**	**0.0000**	**1.0000e-004**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**		**2.2000e-004**	**2.2000e-004**	**0.0000**	**0.0000**	**2.3000e-004**

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	1.0000e-005	0.0000	1.0000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		2.2000e-004	2.2000e-004	0.0000		2.3000e-004
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	**1.0000e-005**	**0.0000**	**1.0000e-004**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**		**2.2000e-004**	**2.2000e-004**	**0.0000**	**0.0000**	**2.3000e-004**

	ROG	NOx	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	Task 4a Site Preparation	Site Preparation	9/1/2019	9/5/2019	5	4	
2	Task 4b	Site Preparation	9/6/2019	9/17/2019	5	8	
3	Task 5a	Site Preparation	9/18/2019	9/24/2019	5	5	
4	Task 5b	Grading	9/25/2019	9/30/2019	5	4	
5	Task 5c	Demolition	10/1/2019	10/7/2019	5	5	
6	Task 5d	Demolition	10/8/2019	10/9/2019	5	2	
7	Task 5e	Demolition	10/10/2019	11/6/2019	5	20	
8	Task 5f	Site Preparation	11/7/2019	11/13/2019	5	5	
9	Task 5g	Grading	11/14/2019	11/19/2019	5	4	
10	Task 6	Site Preparation	11/20/2019	2/21/2020	5	68	
11	Task 7	Site Preparation	2/22/2020	2/26/2020	5	3	
12	Task 8	Site Preparation	2/27/2020	2/27/2020	5	1	
13	Task 9	Site Preparation	2/28/2020	6/2/2020	5	68	
14	Task 10	Site Preparation	6/4/2020	6/9/2020	5	4	

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
Task 4b	Other Material Handling Equipment	1	8.00	168	0.40
Task 4b	Other General Industrial Equipment	8	8.00	6	0.34
Task 5a	Rubber Tired Loaders	1	8.00	203	0.36

Task 4b	Rubber Tired Dozers	0	8.00	247	0.40
Task 4b	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Task 5a	Excavators	1	8.00	158	0.38
Task 5a	Graders	0	8.00	187	0.41
Task 5a	Rubber Tired Dozers	0	8.00	247	0.40
Task 5a	Scrapers	0	8.00	367	0.48
Task 5a	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Task 5c	Excavators	2	8.00	158	0.38
Task 5c	Rubber Tired Loaders	1	8.00	203	0.36
Task 5d	Rubber Tired Loaders	1	8.00	203	0.36
Task 5e	Rubber Tired Loaders	1	8.00	203	0.36
Task 5f	Rubber Tired Loaders	1	8.00	203	0.36
Task 6	Other General Industrial Equipment	3	8.00	6	0.34
Task 10	Rubber Tired Loaders	1	8.00	203	0.36
Task 10	Excavators	1	8.00	158	0.38
Task 10	Other Material Handling Equipment	1	8.00	168	0.40
Task 5d	Concrete/Industrial Saws	0	8.00	81	0.73
Task 5e	Concrete/Industrial Saws	0	8.00	81	0.73
Task 10	Other General Industrial Equipment	4	8.00	88	0.34
Task 5d	Excavators	2	8.00	158	0.38
Task 5e	Excavators	2	8.00	158	0.38
Task 5b	Excavators	1	8.00	158	0.38
Task 5g	Excavators	1	8.00	158	0.38
Task 5b	Graders	0	8.00	187	0.41
Task 5g	Graders	0	8.00	187	0.41
Task 5c	Concrete/Industrial Saws	0	8.00	81	0.73
Task 5d	Rubber Tired Dozers	0	8.00	247	0.40
Task 5e	Rubber Tired Dozers	0	8.00	247	0.40
Task 5b	Rubber Tired Dozers	0	8.00	247	0.40
Task 5g	Rubber Tired Dozers	0	8.00	247	0.40

Task 5b	Rubber Tired Dozers	1	8.00	247	0.40
Task 6	Rubber Tired Dozers	0	0.00	88	0.34
Task 7	Rubber Tired Dozers	0	8.00	247	0.40
Task 8	Rubber Tired Dozers	0	8.00	247	0.40
Task 9	Rubber Tired Dozers	0	8.00	247	0.40
Task 10	Rubber Tired Dozers	1	8.00	247	0.40
Task 5f	Rubber Tired Dozers	0	8.00	247	0.40
Task 5b	Scrapers	0	8.00	367	0.48
Task 5g	Scrapers	0	8.00	367	0.48
Task 5g	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Task 4a Site Preparation	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Task 6	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Task 7	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Task 8	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Task 9	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Task 10	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Task 5f	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Task 4a Site Preparation	Other Material Handling Equipment	2	8.00	168	0.40
Task 4a Site Preparation	Other General Industrial Equipment	7	8.00	6	0.34
Task 5c	Rubber Tired Dozers	0	8.00	247	0.40
Task 4a Site Preparation	Rubber Tired Dozers	0	8.00	247	0.40
Task 5b	Tractors/Loaders/Backhoes	0	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
Task 4a Site Preparation	10	8.00	0.00	1.00	19.80	7.90	60.00	LD_Mix	HDT_Mix	HHDT
Task 4b	10	6.00	0.00	1.00	19.80	7.90	60.00	LD_Mix	HDT_Mix	HHDT
Task 5a	2	7.00	0.00	50.00	19.80	7.90	60.00	LD_Mix	HDT_Mix	HHDT
Task 5b	2	7.00	0.00	0.00	19.80	7.90	60.00	LD_Mix	HDT_Mix	HHDT

Task 5c	3	7.00	0.00	4.00	19.80	7.90	60.00	LD_Mix	HDT_Mix	HHDT
Task 5d	3	9.00	0.00	2.00	19.80	7.90	60.00	LD_Mix	HDT_Mix	HHDT
Task 5e	3	7.00	0.00	4.00	19.80	7.90	60.00	LD_Mix	HDT_Mix	HHDT
Task 5g	1	7.00	0.00	0.00	19.80	7.90	60.00	LD_Mix	HDT_Mix	HHDT
Task 6	3	3.00	0.00	2.00	19.80	7.90	60.00	LD_Mix	HDT_Mix	HHDT
Task 7	0	3.00	0.00	0.00	19.80	7.90	60.00	LD_Mix	HDT_Mix	HHDT
Task 8	0	2.00	2.00	0.00	19.80	7.90	60.00	LD_Mix	HDT_Mix	HHDT
Task 9	0	3.00	2.00	0.00	19.80	7.90	60.00	LD_Mix	HDT_Mix	HHDT
Task 10	8	2.00	0.00	0.00	19.80	7.90	60.00	LD_Mix	HDT_Mix	HHDT
Task 5f	1	7.00	0.00	0.00	19.80	7.90	60.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Water Exposed Area

3.2 Task 4a Site Preparation - 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					2.8000e-004	0.0000	2.8000e-004	4.0000e-005	0.0000	4.0000e-005			0.0000			0.0000
Off-Road	1.1581	10.1228	11.2789	0.0160		0.5792	0.5792		0.5328	0.5328		1,587.2354	1,587.2354	0.5022		1,599.7900
Total	**1.1581**	**10.1228**	**11.2789**	**0.0160**	**2.8000e-004**	**0.5792**	**0.5795**	**4.0000e-005**	**0.5328**	**0.5329**		**1,587.2354**	**1,587.2354**	**0.5022**		**1,599.7900**

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	6.1600e-003	0.1850	0.0435	5.4000e-004	0.0131	8.2000e-004	0.0139	3.5900e-003	7.8000e-004	4.3700e-003		58.7158	58.7158	3.6300e-003		58.8065
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	0.0565	0.0428	0.4620	1.2300e-003	0.1204	1.0200e-003	0.1214	0.0319	9.4000e-004	0.0329		122.4209	122.4209	4.1500e-003		122.5247
Total	**0.0627**	**0.2278**	**0.5055**	**1.7700e-003**	**0.1335**	**1.8400e-003**	**0.1354**	**0.0355**	**1.7200e-003**	**0.0372**		**181.1366**	**181.1366**	**7.7800e-003**		**181.3313**

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					1.1000e-004	0.0000	1.1000e-004	2.0000e-005	0.0000	2.0000e-005			0.0000			0.0000
Off-Road	0.4427	1.9915	12.5386	0.0160		0.1182	0.1182		0.1106	0.1106	0.0000	1,587.2354	1,587.2354	0.5022		1,599.7900
Total	**0.4427**	**1.9915**	**12.5386**	**0.0160**	**1.1000e-004**	**0.1182**	**0.1183**	**2.0000e-005**	**0.1106**	**0.1106**	**0.0000**	**1,587.2354**	**1,587.2354**	**0.5022**		**1,599.7900**

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	6.1600e-003	0.1850	0.0435	5.4000e-004	0.0131	8.2000e-004	0.0139	3.5900e-003	7.8000e-004	4.3700e-003		58.7158	58.7158	3.6300e-003		58.8065
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	0.0565	0.0428	0.4620	1.2300e-003	0.1204	1.0200e-003	0.1214	0.0319	9.4000e-004	0.0329		122.4209	122.4209	4.1500e-003		122.5247
Total	**0.0627**	**0.2278**	**0.5055**	**1.7700e-003**	**0.1335**	**1.8400e-003**	**0.1354**	**0.0355**	**1.7200e-003**	**0.0372**		**181.1366**	**181.1366**	**7.7800e-003**		**181.3313**

3.3 Task 4b - 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					1.4000e-004	0.0000	1.4000e-004	2.0000e-005	0.0000	2.0000e-005			0.0000			0.0000
Off-Road	0.8642	7.0083	7.7075	0.0104		0.4281	0.4281		0.3939	0.3939		1,034.4736	1,034.4736	0.3273		1,042.6561
Total	**0.8642**	**7.0083**	**7.7075**	**0.0104**	**1.4000e-004**	**0.4281**	**0.4283**	**2.0000e-005**	**0.3939**	**0.3939**		**1,034.4736**	**1,034.4736**	**0.3273**		**1,042.6561**

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	3.0800e-003	0.0925	0.0217	2.7000e-004	6.5500e-003	4.1000e-004	6.9600e-003	1.8000e-003	3.9000e-004	2.1900e-003		29.3579	29.3579	1.8200e-003		29.4033
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	0.0424	0.0321	0.3465	9.2000e-004	0.0903	7.6000e-004	0.0911	0.0240	7.0000e-004	0.0247		91.8157	91.8157	3.1200e-003		91.8935
Total	**0.0455**	**0.1246**	**0.3682**	**1.1900e-003**	**0.0969**	**1.1700e-003**	**0.0980**	**0.0258**	**1.0900e-003**	**0.0268**		**121.1735**	**121.1735**	**4.9400e-003**		**121.2968**

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					6.0000e-005	0.0000	6.0000e-005	1.0000e-005	0.0000	1.0000e-005			0.0000			0.0000
Off-Road	0.4091	1.8563	8.3570	0.0104		0.1221	0.1221		0.1135	0.1135	0.0000	1,034.4736	1,034.4736	0.3273		1,042.6561
Total	**0.4091**	**1.8563**	**8.3570**	**0.0104**	**6.0000e-005**	**0.1221**	**0.1222**	**1.0000e-005**	**0.1135**	**0.1135**	**0.0000**	**1,034.4736**	**1,034.4736**	**0.3273**		**1,042.6561**

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	3.0800e-003	0.0925	0.0217	2.7000e-004	6.5500e-003	4.1000e-004	6.9600e-003	1.8000e-003	3.9000e-004	2.1900e-003		29.3579	29.3579	1.8200e-003		29.4033
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	0.0424	0.0321	0.3465	9.2000e-004	0.0903	7.6000e-004	0.0911	0.0240	7.0000e-004	0.0247		91.8157	91.8157	3.1200e-003		91.8935
Total	**0.0455**	**0.1246**	**0.3682**	**1.1900e-003**	**0.0969**	**1.1700e-003**	**0.0980**	**0.0258**	**1.0900e-003**	**0.0268**		**121.1735**	**121.1735**	**4.9400e-003**		**121.2968**

3.4 Task 5a - 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					0.0113	0.0000	0.0113	1.7100e-003	0.0000	1.7100e-003			0.0000			0.0000
Off-Road	0.6595	7.5082	4.9420	0.0114		0.2912	0.2912		0.2679	0.2679		1,129.9311	1,129.9311	0.3575		1,138.8686
Total	**0.6595**	**7.5082**	**4.9420**	**0.0114**	**0.0113**	**0.2912**	**0.3025**	**1.7100e-003**	**0.2679**	**0.2696**		**1,129.9311**	**1,129.9311**	**0.3575**		**1,138.8686**

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	0.2464	7.3988	1.7388	0.0217	0.5241	0.0327	0.5568	0.1436	0.0312	0.1749		2,348.6305	2,348.6305	0.1452		2,352.2613
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	0.0495	0.0375	0.4042	1.0800e-003	0.1054	8.9000e-004	0.1063	0.0279	8.2000e-004	0.0288		107.1183	107.1183	3.6300e-003		107.2091
Total	**0.2958**	**7.4363**	**2.1430**	**0.0228**	**0.6295**	**0.0336**	**0.6630**	**0.1716**	**0.0321**	**0.2036**		**2,455.7488**	**2,455.7488**	**0.1489**		**2,459.4705**

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					4.4100e-003	0.0000	4.4100e-003	6.7000e-004	0.0000	6.7000e-004			0.0000			0.0000

Off-Road	0.1409	0.6104	6.7536	0.0114		0.0188	0.0188		0.0188	0.0188	0.0000	1,129.9311	1,129.9311	0.3575		1,138.8686
Total	**0.1409**	**0.6104**	**6.7536**	**0.0114**	**4.4100e-003**	**0.0188**	**0.0232**	**6.7000e-004**	**0.0188**	**0.0195**	**0.0000**	**1,129.9311**	**1,129.9311**	**0.3575**		**1,138.8686**

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	0.2464	7.3988	1.7388	0.0217	0.5241	0.0327	0.5568	0.1436	0.0312	0.1749		2,348.6305	2,348.6305	0.1452		2,352.2613
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	0.0495	0.0375	0.4042	1.0800e-003	0.1054	8.9000e-004	0.1063	0.0279	8.2000e-004	0.0288		107.1183	107.1183	3.6300e-003		107.2091
Total	**0.2958**	**7.4363**	**2.1430**	**0.0228**	**0.6295**	**0.0336**	**0.6630**	**0.1716**	**0.0321**	**0.2036**		**2,455.7488**	**2,455.7488**	**0.1489**		**2,459.4705**

3.5 Task 5b - 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					6.0221	0.0000	6.0221	3.3102	0.0000	3.3102			0.0000			0.0000
Off-Road	1.3953	14.7563	7.5473	0.0137		0.7181	0.7181		0.6606	0.6606		1,356.5541	1,356.5541	0.4292		1,367.2840
Total	**1.3953**	**14.7563**	**7.5473**	**0.0137**	**6.0221**	**0.7181**	**6.7402**	**3.3102**	**0.6606**	**3.9709**		**1,356.5541**	**1,356.5541**	**0.4292**		**1,367.2840**

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	0.0495	0.0375	0.4042	1.0800e-003	0.1054	8.9000e-004	0.1063	0.0279	8.2000e-004	0.0288		107.1183	107.1183	3.6300e-003		107.2091
Total	**0.0495**	**0.0375**	**0.4042**	**1.0800e-003**	**0.1054**	**8.9000e-004**	**0.1063**	**0.0279**	**8.2000e-004**	**0.0288**		**107.1183**	**107.1183**	**3.6300e-003**		**107.2091**

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					2.3486	0.0000	2.3486	1.2910	0.0000	1.2910			0.0000			0.0000
Off-Road	0.1681	0.7284	7.7516	0.0137		0.0224	0.0224		0.0224	0.0224	0.0000	1,356.5541	1,356.5541	0.4292		1,367.2840
Total	**0.1681**	**0.7284**	**7.7516**	**0.0137**	**2.3486**	**0.0224**	**2.3710**	**1.2910**	**0.0224**	**1.3134**	**0.0000**	**1,356.5541**	**1,356.5541**	**0.4292**		**1,367.2840**

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	0.0495	0.0375	0.4042	1.0800e-003	0.1054	8.9000e-004	0.1063	0.0279	8.2000e-004	0.0288		107.1183	107.1183	3.6300e-003		107.2091
Total	**0.0495**	**0.0375**	**0.4042**	**1.0800e-003**	**0.1054**	**8.9000e-004**	**0.1063**	**0.0279**	**8.2000e-004**	**0.0288**		**107.1183**	**107.1183**	**3.6300e-003**		**107.2091**

3.6 Task 5c - 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					0.2140	0.0000	0.2140	0.0324	0.0000	0.0324			0.0000			0.0000
Off-Road	0.9202	10.1901	8.2052	0.0166		0.4205	0.4205		0.3869	0.3869		1,641.0567	1,641.0567	0.5192		1,654.0370
Total	**0.9202**	**10.1901**	**8.2052**	**0.0166**	**0.2140**	**0.4205**	**0.6345**	**0.0324**	**0.3869**	**0.4193**		**1,641.0567**	**1,641.0567**	**0.5192**		**1,654.0370**

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	0.0197	0.5919	0.1391	1.7400e-003	0.0419	2.6100e-003	0.0445	0.0115	2.5000e-003	0.0140		187.8904	187.8904	0.0116		188.1809
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	0.0495	0.0375	0.4042	1.0800e-003	0.1054	8.9000e-004	0.1063	0.0279	8.2000e-004	0.0288		107.1183	107.1183	3.6300e-003		107.2091
Total	**0.0692**	**0.6294**	**0.5433**	**2.8200e-003**	**0.1473**	**3.5000e-003**	**0.1508**	**0.0394**	**3.3200e-003**	**0.0428**		**295.0087**	**295.0087**	**0.0153**		**295.3900**

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					0.0835	0.0000	0.0835	0.0126	0.0000	0.0126			0.0000			0.0000
Off-Road	0.2044	0.8858	10.6716	0.0166		0.0273	0.0273		0.0273	0.0273	0.0000	1,641.0567	1,641.0567	0.5192		1,654.0370
Total	**0.2044**	**0.8858**	**10.6716**	**0.0166**	**0.0835**	**0.0273**	**0.1107**	**0.0126**	**0.0273**	**0.0399**	**0.0000**	**1,641.0567**	**1,641.0567**	**0.5192**		**1,654.0370**

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	0.0197	0.5919	0.1391	1.7400e-003	0.0419	2.6100e-003	0.0445	0.0115	2.5000e-003	0.0140		187.8904	187.8904	0.0116		188.1809
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	0.0495	0.0375	0.4042	1.0800e-003	0.1054	8.9000e-004	0.1063	0.0279	8.2000e-004	0.0288		107.1183	107.1183	3.6300e-003		107.2091
Total	**0.0692**	**0.6294**	**0.5433**	**2.8200e-003**	**0.1473**	**3.5000e-003**	**0.1508**	**0.0394**	**3.3200e-003**	**0.0428**		**295.0087**	**295.0087**	**0.0153**		**295.3900**

3.7 Task 5d - 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					0.2140	0.0000	0.2140	0.0324	0.0000	0.0324			0.0000			0.0000
Off-Road	0.9202	10.1901	8.2052	0.0166		0.4205	0.4205		0.3869	0.3869		1,641.0567	1,641.0567	0.5192		1,654.0370
Total	**0.9202**	**10.1901**	**8.2052**	**0.0166**	**0.2140**	**0.4205**	**0.6345**	**0.0324**	**0.3869**	**0.4193**		**1,641.0567**	**1,641.0567**	**0.5192**		**1,654.0370**

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	0.0246	0.7399	0.1739	2.1700e-003	0.0524	3.2700e-003	0.0557	0.0144	3.1200e-003	0.0175		234.8631	234.8631	0.0145		235.2261
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	0.0636	0.0482	0.5197	1.3800e-003	0.1355	1.1500e-003	0.1366	0.0359	1.0600e-003	0.0370		137.7235	137.7235	4.6700e-003		137.8403
Total	**0.0882**	**0.7880**	**0.6936**	**3.5500e-003**	**0.1879**	**4.4200e-003**	**0.1923**	**0.0503**	**4.1800e-003**	**0.0545**		**372.5865**	**372.5865**	**0.0192**		**373.0664**

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					0.0835	0.0000	0.0835	0.0126	0.0000	0.0126			0.0000			0.0000

Off-Road	0.2044	0.8858	10.6716	0.0166		0.0273	0.0273		0.0273	0.0273	0.0000	1,641.0567	1,641.0567	0.5192		1,654.0370
Total	**0.2044**	**0.8858**	**10.6716**	**0.0166**	**0.0835**	**0.0273**	**0.1107**	**0.0126**	**0.0273**	**0.0399**	**0.0000**	**1,641.0567**	**1,641.0567**	**0.5192**		**1,654.0370**

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	0.0246	0.7399	0.1739	2.1700e-003	0.0524	3.2700e-003	0.0557	0.0144	3.1200e-003	0.0175		234.8631	234.8631	0.0145		235.2261
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	0.0636	0.0482	0.5197	1.3800e-003	0.1355	1.1500e-003	0.1366	0.0359	1.0600e-003	0.0370		137.7235	137.7235	4.6700e-003		137.8403
Total	**0.0882**	**0.7880**	**0.6936**	**3.5500e-003**	**0.1879**	**4.4200e-003**	**0.1923**	**0.0503**	**4.1800e-003**	**0.0545**		**372.5865**	**372.5865**	**0.0192**		**373.0664**

3.8 Task 5e - 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					0.0535	0.0000	0.0535	8.1000e-003	0.0000	8.1000e-003			0.0000			0.0000
Off-Road	0.9202	10.1901	8.2052	0.0166		0.4205	0.4205		0.3869	0.3869		1,641.0567	1,641.0567	0.5192		1,654.0370
Total	**0.9202**	**10.1901**	**8.2052**	**0.0166**	**0.0535**	**0.4205**	**0.4740**	**8.1000e-003**	**0.3869**	**0.3950**		**1,641.0567**	**1,641.0567**	**0.5192**		**1,654.0370**

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	4.9300e-003	0.1480	0.0348	4.3000e-004	0.0105	6.5000e-004	0.0111	2.8700e-003	6.2000e-004	3.5000e-003		46.9726	46.9726	2.9000e-003		47.0452
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	0.0495	0.0375	0.4042	1.0800e-003	0.1054	8.9000e-004	0.1063	0.0279	8.2000e-004	0.0288		107.1183	107.1183	3.6300e-003		107.2091
Total	**0.0544**	**0.1854**	**0.4390**	**1.5100e-003**	**0.1159**	**1.5400e-003**	**0.1174**	**0.0308**	**1.4400e-003**	**0.0323**		**154.0909**	**154.0909**	**6.5300e-003**		**154.2544**

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					0.0209	0.0000	0.0209	3.1600e-003	0.0000	3.1600e-003			0.0000			0.0000
Off-Road	0.2044	0.8858	10.6716	0.0166		0.0273	0.0273		0.0273	0.0273	0.0000	1,641.0567	1,641.0567	0.5192		1,654.0370
Total	**0.2044**	**0.8858**	**10.6716**	**0.0166**	**0.0209**	**0.0273**	**0.0481**	**3.1600e-003**	**0.0273**	**0.0304**	**0.0000**	**1,641.0567**	**1,641.0567**	**0.5192**		**1,654.0370**

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	4.9300e-003	0.1480	0.0348	4.3000e-004	0.0105	6.5000e-004	0.0111	2.8700e-003	6.2000e-004	3.5000e-003		46.9726	46.9726	2.9000e-003		47.0452
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	0.0495	0.0375	0.4042	1.0800e-003	0.1054	8.9000e-004	0.1063	0.0279	8.2000e-004	0.0288		107.1183	107.1183	3.6300e-003		107.2091
Total	**0.0544**	**0.1854**	**0.4390**	**1.5100e-003**	**0.1159**	**1.5400e-003**	**0.1174**	**0.0308**	**1.4400e-003**	**0.0323**		**154.0909**	**154.0909**	**6.5300e-003**		**154.2544**

3.9 Task 5f - 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					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.3988	4.8264	1.6788	6.2500e-003		0.1618	0.1618		0.1489	0.1489		618.8056	618.8056	0.1958		623.7002
Total	**0.3988**	**4.8264**	**1.6788**	**6.2500e-003**	**0.0000**	**0.1618**	**0.1618**	**0.0000**	**0.1489**	**0.1489**		**618.8056**	**618.8056**	**0.1958**		**623.7002**

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	0.0495	0.0375	0.4042	1.0800e-003	0.1054	8.9000e-004	0.1063	0.0279	8.2000e-004	0.0288		107.1183	107.1183	3.6300e-003		107.2091
Total	**0.0495**	**0.0375**	**0.4042**	**1.0800e-003**	**0.1054**	**8.9000e-004**	**0.1063**	**0.0279**	**8.2000e-004**	**0.0288**		**107.1183**	**107.1183**	**3.6300e-003**		**107.2091**

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	0.0773	0.3351	2.8356	6.2500e-003		0.0103	0.0103		0.0103	0.0103	0.0000	618.8056	618.8056	0.1958		623.7002
Total	**0.0773**	**0.3351**	**2.8356**	**6.2500e-003**	**0.0000**	**0.0103**	**0.0103**	**0.0000**	**0.0103**	**0.0103**	**0.0000**	**618.8056**	**618.8056**	**0.1958**		**623.7002**

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	0.0495	0.0375	0.4042	1.0800e-003	0.1054	8.9000e-004	0.1063	0.0279	8.2000e-004	0.0288		107.1183	107.1183	3.6300e-003		107.2091
Total	**0.0495**	**0.0375**	**0.4042**	**1.0800e-003**	**0.1054**	**8.9000e-004**	**0.1063**	**0.0279**	**8.2000e-004**	**0.0288**		**107.1183**	**107.1183**	**3.6300e-003**		**107.2091**

3.10 Task 5g - 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					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.2607	2.6819	3.2632	5.1600e-003		0.1293	0.1293		0.1190	0.1190		511.1256	511.1256	0.1617		515.1684
Total	**0.2607**	**2.6819**	**3.2632**	**5.1600e-003**	**0.0000**	**0.1293**	**0.1293**	**0.0000**	**0.1190**	**0.1190**		**511.1256**	**511.1256**	**0.1617**		**515.1684**

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	0.0495	0.0375	0.4042	1.0800e-003	0.1054	8.9000e-004	0.1063	0.0279	8.2000e-004	0.0288		107.1183	107.1183	3.6300e-003		107.2091
Total	**0.0495**	**0.0375**	**0.4042**	**1.0800e-003**	**0.1054**	**8.9000e-004**	**0.1063**	**0.0279**	**8.2000e-004**	**0.0288**		**107.1183**	**107.1183**	**3.6300e-003**		**107.2091**

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	0.0635	0.2753	3.9180	5.1600e-003		8.4700e-003	8.4700e-003		8.4700e-003	8.4700e-003	0.0000	511.1256	511.1256	0.1617		515.1684
Total	**0.0635**	**0.2753**	**3.9180**	**5.1600e-003**	**0.0000**	**8.4700e-003**	**8.4700e-003**	**0.0000**	**8.4700e-003**	**8.4700e-003**	**0.0000**	**511.1256**	**511.1256**	**0.1617**		**515.1684**

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	0.0495	0.0375	0.4042	1.0800e-003	0.1054	8.9000e-004	0.1063	0.0279	8.2000e-004	0.0288		107.1183	107.1183	3.6300e-003		107.2091
Total	**0.0495**	**0.0375**	**0.4042**	**1.0800e-003**	**0.1054**	**8.9000e-004**	**0.1063**	**0.0279**	**8.2000e-004**	**0.0288**		**107.1183**	**107.1183**	**3.6300e-003**		**107.2091**

3.11 Task 6 - 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					3.0000e-005	0.0000	3.0000e-005	1.0000e-005	0.0000	1.0000e-005			0.0000			0.0000
Off-Road	0.1125	0.5188	0.6111	5.8000e-004		0.0403	0.0403		0.0371	0.0371		58.0567	58.0567	0.0184		58.5159
Total	**0.1125**	**0.5188**	**0.6111**	**5.8000e-004**	**3.0000e-005**	**0.0403**	**0.0404**	**1.0000e-005**	**0.0371**	**0.0371**		**58.0567**	**58.0567**	**0.0184**		**58.5159**

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	7.2000e-004	0.0218	5.1100e-003	6.0000e-005	3.0200e-003	1.0000e-004	3.1200e-003	7.9000e-004	9.0000e-005	8.8000e-004		6.9077	6.9077	4.3000e-004		6.9184
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	0.0212	0.0161	0.1733	4.6000e-004	0.0452	3.8000e-004	0.0455	0.0120	3.5000e-004	0.0123		45.9078	45.9078	1.5600e-003		45.9468
Total	**0.0219**	**0.0378**	**0.1784**	**5.2000e-004**	**0.0482**	**4.8000e-004**	**0.0487**	**0.0128**	**4.4000e-004**	**0.0132**		**52.8156**	**52.8156**	**1.9900e-003**		**52.8652**

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					1.0000e-005	0.0000	1.0000e-005	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.1125	0.5188	0.6111	5.8000e-004		0.0403	0.0403		0.0371	0.0371	0.0000	58.0567	58.0567	0.0184		58.5159
Total	**0.1125**	**0.5188**	**0.6111**	**5.8000e-004**	**1.0000e-005**	**0.0403**	**0.0404**	**0.0000**	**0.0371**	**0.0371**	**0.0000**	**58.0567**	**58.0567**	**0.0184**		**58.5159**

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	7.2000e-004	0.0218	5.1100e-003	6.0000e-005	3.0200e-003	1.0000e-004	3.1200e-003	7.9000e-004	9.0000e-005	8.8000e-004		6.9077	6.9077	4.3000e-004		6.9184
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	0.0212	0.0161	0.1733	4.6000e-004	0.0452	3.8000e-004	0.0455	0.0120	3.5000e-004	0.0123		45.9078	45.9078	1.5600e-003		45.9468
Total	**0.0219**	**0.0378**	**0.1784**	**5.2000e-004**	**0.0482**	**4.8000e-004**	**0.0487**	**0.0128**	**4.4000e-004**	**0.0132**		**52.8156**	**52.8156**	**1.9900e-003**		**52.8652**

3.11 Task 6 - 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					3.0000e-005	0.0000	3.0000e-005	1.0000e-005	0.0000	1.0000e-005			0.0000			0.0000
Off-Road	0.1021	0.4989	0.5941	5.8000e-004		0.0361	0.0361		0.0332	0.0332		56.7946	56.7946	0.0184		57.2538
Total	**0.1021**	**0.4989**	**0.5941**	**5.8000e-004**	**3.0000e-005**	**0.0361**	**0.0361**	**1.0000e-005**	**0.0332**	**0.0332**		**56.7946**	**56.7946**	**0.0184**		**57.2538**

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	6.8000e-004	0.0203	5.0100e-003	6.0000e-005	2.4600e-003	8.0000e-005	2.5400e-003	6.5000e-004	8.0000e-005	7.2000e-004		6.8299	6.8299	4.2000e-004		6.8405
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	0.0196	0.0143	0.1571	4.5000e-004	0.0452	3.7000e-004	0.0455	0.0120	3.4000e-004	0.0123		44.5121	44.5121	1.3800e-003		44.5467
Total	**0.0203**	**0.0346**	**0.1621**	**5.1000e-004**	**0.0476**	**4.5000e-004**	**0.0481**	**0.0126**	**4.2000e-004**	**0.0130**		**51.3420**	**51.3420**	**1.8000e-003**		**51.3872**

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					1.0000e-005	0.0000	1.0000e-005	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.1021	0.4989	0.5941	5.8000e-004		0.0361	0.0361		0.0332	0.0332	0.0000	56.7946	56.7946	0.0184		57.2538
Total	**0.1021**	**0.4989**	**0.5941**	**5.8000e-004**	**1.0000e-005**	**0.0361**	**0.0361**	**0.0000**	**0.0332**	**0.0332**	**0.0000**	**56.7946**	**56.7946**	**0.0184**		**57.2538**

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	6.8000e-004	0.0203	5.0100e-003	6.0000e-005	2.4600e-003	8.0000e-005	2.5400e-003	6.5000e-004	8.0000e-005	7.2000e-004		6.8299	6.8299	4.2000e-004		6.8405
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	0.0196	0.0143	0.1571	4.5000e-004	0.0452	3.7000e-004	0.0455	0.0120	3.4000e-004	0.0123		44.5121	44.5121	1.3800e-003		44.5467
Total	**0.0203**	**0.0346**	**0.1621**	**5.1000e-004**	**0.0476**	**4.5000e-004**	**0.0481**	**0.0126**	**4.2000e-004**	**0.0130**		**51.3420**	**51.3420**	**1.8000e-003**		**51.3872**

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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	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**		**0.0000**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	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	0.0196	0.0143	0.1571	4.5000e-004	0.0452	3.7000e-004	0.0455	0.0120	3.4000e-004	0.0123		44.5121	44.5121	1.3800e-003		44.5467
Total	**0.0196**	**0.0143**	**0.1571**	**4.5000e-004**	**0.0452**	**3.7000e-004**	**0.0455**	**0.0120**	**3.4000e-004**	**0.0123**		**44.5121**	**44.5121**	**1.3800e-003**		**44.5467**

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	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.0196	0.0143	0.1571	4.5000e-004	0.0452	3.7000e-004	0.0455	0.0120	3.4000e-004	0.0123		44.5121	44.5121	1.3800e-003		44.5467
Total	**0.0196**	**0.0143**	**0.1571**	**4.5000e-004**	**0.0452**	**3.7000e-004**	**0.0455**	**0.0120**	**3.4000e-004**	**0.0123**		**44.5121**	**44.5121**	**1.3800e-003**		**44.5467**

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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	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**		**0.0000**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	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	8.0600e-003	0.2267	0.0654	5.6000e-004	0.0147	1.1500e-003	0.0158	4.2200e-003	1.1000e-003	5.3200e-003		60.1455	60.1455	3.8300e-003		60.2413
Worker	0.0131	9.5400e-003	0.1047	3.0000e-004	0.0301	2.5000e-004	0.0304	7.9800e-003	2.3000e-004	8.2100e-003		29.6747	29.6747	9.2000e-004		29.6978
Total	**0.0211**	**0.2362**	**0.1701**	**8.6000e-004**	**0.0448**	**1.4000e-003**	**0.0462**	**0.0122**	**1.3300e-003**	**0.0135**		**89.8202**	**89.8202**	**4.7500e-003**		**89.9391**

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	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	8.0600e-003	0.2267	0.0654	5.6000e-004	0.0147	1.1500e-003	0.0158	4.2200e-003	1.1000e-003	5.3200e-003		60.1455	60.1455	3.8300e-003		60.2413
Worker	0.0131	9.5400e-003	0.1047	3.0000e-004	0.0301	2.5000e-004	0.0304	7.9800e-003	2.3000e-004	8.2100e-003		29.6747	29.6747	9.2000e-004		29.6978
Total	**0.0211**	**0.2362**	**0.1701**	**8.6000e-004**	**0.0448**	**1.4000e-003**	**0.0462**	**0.0122**	**1.3300e-003**	**0.0135**		**89.8202**	**89.8202**	**4.7500e-003**		**89.9391**

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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	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**		**0.0000**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	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	8.0600e-003	0.2267	0.0654	5.6000e-004	0.0147	1.1500e-003	0.0158	4.2200e-003	1.1000e-003	5.3200e-003		60.1455	60.1455	3.8300e-003		60.2413
Worker	0.0196	0.0143	0.1571	4.5000e-004	0.0452	3.7000e-004	0.0455	0.0120	3.4000e-004	0.0123		44.5121	44.5121	1.3800e-003		44.5467
Total	**0.0276**	**0.2410**	**0.2225**	**1.0100e-003**	**0.0598**	**1.5200e-003**	**0.0613**	**0.0162**	**1.4400e-003**	**0.0176**		**104.6576**	**104.6576**	**5.2100e-003**		**104.7880**

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	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	8.0600e-003	0.2267	0.0654	5.6000e-004	0.0147	1.1500e-003	0.0158	4.2200e-003	1.1000e-003	5.3200e-003		60.1455	60.1455	3.8300e-003		60.2413
Worker	0.0196	0.0143	0.1571	4.5000e-004	0.0452	3.7000e-004	0.0455	0.0120	3.4000e-004	0.0123		44.5121	44.5121	1.3800e-003		44.5467
Total	**0.0276**	**0.2410**	**0.2225**	**1.0100e-003**	**0.0598**	**1.5200e-003**	**0.0613**	**0.0162**	**1.4400e-003**	**0.0176**		**104.6576**	**104.6576**	**5.2100e-003**		**104.7880**

3.15 Task 10 - 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					6.0221	0.0000	6.0221	3.3102	0.0000	3.3102			0.0000			0.0000
Off-Road	2.9386	29.5308	20.7522	0.0360		1.5827	1.5827		1.4561	1.4561		3,484.3702	3,484.3702	1.1269		3,512.5431
Total	**2.9386**	**29.5308**	**20.7522**	**0.0360**	**6.0221**	**1.5827**	**7.6048**	**3.3102**	**1.4561**	**4.7663**		**3,484.3702**	**3,484.3702**	**1.1269**		**3,512.5431**

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	0.0131	9.5400e-003	0.1047	3.0000e-004	0.0301	2.5000e-004	0.0304	7.9800e-003	2.3000e-004	8.2100e-003		29.6747	29.6747	9.2000e-004		29.6978
Total	**0.0131**	**9.5400e-003**	**0.1047**	**3.0000e-004**	**0.0301**	**2.5000e-004**	**0.0304**	**7.9800e-003**	**2.3000e-004**	**8.2100e-003**		**29.6747**	**29.6747**	**9.2000e-004**		**29.6978**

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					2.3486	0.0000	2.3486	1.2910	0.0000	1.2910			0.0000			0.0000

Off-Road	1.2579	9.9432	22.9317	0.0360		0.6667	0.6667		0.6168	0.6168	0.0000	3,484.3702	3,484.3702	1.1269		3,512.5431
Total	**1.2579**	**9.9432**	**22.9317**	**0.0360**	**2.3486**	**0.6667**	**3.0153**	**1.2910**	**0.6168**	**1.9077**	**0.0000**	**3,484.3702**	**3,484.3702**	**1.1269**		**3,512.5431**

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	0.0131	9.5400e-003	0.1047	3.0000e-004	0.0301	2.5000e-004	0.0304	7.9800e-003	2.3000e-004	8.2100e-003		29.6747	29.6747	9.2000e-004		29.6978
Total	**0.0131**	**9.5400e-003**	**0.1047**	**3.0000e-004**	**0.0301**	**2.5000e-004**	**0.0304**	**7.9800e-003**	**2.3000e-004**	**8.2100e-003**		**29.6747**	**29.6747**	**9.2000e-004**		**29.6978**

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 Industrial	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 Industrial	18.50	10.10	7.90	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
User Defined Industrial	0.547726	0.045437	0.201480	0.122768	0.016614	0.006090	0.019326	0.029174	0.002438	0.002359	0.005005	0.000677	0.000907

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 Industrial	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**

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 Industrial	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	1.0000e-005	0.0000	1.0000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		2.2000e-004	2.2000e-004	0.0000		2.3000e-004
Unmitigated	1.0000e-005	0.0000	1.0000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		2.2000e-004	2.2000e-004	0.0000		2.3000e-004

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
Landscaping	1.0000e-005	0.0000	1.0000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		2.2000e-004	2.2000e-004	0.0000		2.3000e-004
Total	**1.0000e-005**	**0.0000**	**1.0000e-004**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**		**2.2000e-004**	**2.2000e-004**	**0.0000**		**2.3000e-004**

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
Landscaping	1.0000e-005	0.0000	1.0000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		2.2000e-004	2.2000e-004	0.0000		2.3000e-004
Total	**1.0000e-005**	**0.0000**	**1.0000e-004**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**		**2.2000e-004**	**2.2000e-004**	**0.0000**		**2.3000e-004**

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

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

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

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

Stickleback Ranch Mitigation Area

Los Angeles-South Coast County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
User Defined Industrial	1.00	User Defined Unit	31.50	0.00	0

1.2 Other Project Characteristics

Urbanization	Rural	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	33
Climate Zone	9			**Operational Year**	2020
Utility Company	Los Angeles Department of Water & Power				
CO2 Intensity (lb/MWhr)	1227.89	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - .

Land Use - Acreage from Nov 2018 Stickleback Mitigation Plan

Off-road Equipment - .

Construction Phase - .

Off-road Equipment - .

Off-road Equipment - .

Off-road Equipment - .

Off-road Equipment - .

Off-road Equipment - .

Off-road Equipment - .

Off-road Equipment - .

Off-road Equipment - .

Off-road Equipment - .

Off-road Equipment - .

Off-road Equipment - .

Off-road Equipment - .

Off-road Equipment - .

Off-road Equipment - .

Grading - .

Demolition - .

Trips and VMT - .

Fleet Mix - .

Energy Use -

Construction Off-road Equipment Mitigation - .

Table Name	Column Name	Default Value	New Value
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	22.00
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tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	6.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
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tblConstructionPhase	NumDays	20.00	4.00

tblConstructionPhase	NumDays	20.00	5.00
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tblConstructionPhase	PhaseEndDate	1/28/2022	10/7/2019
tblConstructionPhase	PhaseEndDate	11/8/2019	9/17/2019
tblConstructionPhase	PhaseStartDate	1/29/2022	10/8/2019
tblConstructionPhase	PhaseStartDate	1/11/2020	9/25/2019
tblConstructionPhase	PhaseStartDate	11/9/2019	9/18/2019
tblConstructionPhase	PhaseStartDate	12/11/2021	10/1/2019
tblConstructionPhase	PhaseStartDate	10/12/2019	9/6/2019
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tblGrading	MaterialExported	0.00	10.00
tblGrading	MaterialExported	0.00	10.00
tblGrading	MaterialExported	0.00	20.00
tblLandUse	LotAcreage	0.00	31.50
tblOffRoadEquipment	HorsePower	88.00	6.00
tblOffRoadEquipment	HorsePower	88.00	6.00
tblOffRoadEquipment	HorsePower	247.00	88.00

tblOffRoadEquipment	HorsePower	88.00	6.00
tblOffRoadEquipment	LoadFactor	0.40	0.34
tblOffRoadEquipment	OffRoadEquipmentType		Other Material Handling Equipment
tblOffRoadEquipment	OffRoadEquipmentType		Other General Industrial Equipment
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tblOffRoadEquipment	OffRoadEquipmentType		Excavators
tblOffRoadEquipment	OffRoadEquipmentType		Rubber Tired Loaders
tblOffRoadEquipment	OffRoadEquipmentType		Rubber Tired Loaders
tblOffRoadEquipment	OffRoadEquipmentType		Rubber Tired Loaders
tblOffRoadEquipment	OffRoadEquipmentType		Rubber Tired Loaders
tblOffRoadEquipment	OffRoadEquipmentType		Other General Industrial Equipment
tblOffRoadEquipment	OffRoadEquipmentType		Rubber Tired Loaders
tblOffRoadEquipment	OffRoadEquipmentType		Excavators
tblOffRoadEquipment	OffRoadEquipmentType		Other Material Handling Equipment
tblOffRoadEquipment	OffRoadEquipmentType		Other General Industrial Equipment
tblOffRoadEquipment	OffRoadEquipmentType		Rubber Tired Dozers
tblOffRoadEquipment	OffRoadEquipmentType		Other Material Handling Equipment
tblOffRoadEquipment	OffRoadEquipmentType		Other General Industrial Equipment
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
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tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblProjectCharacteristics	UrbanizationLevel	Urban	Rural
tblTripsAndVMT	HaulingTripLength	20.00	60.00
tblTripsAndVMT	HaulingTripLength	20.00	60.00
tblTripsAndVMT	HaulingTripLength	20.00	60.00

tblTripsAndVMT	HaulingTripLength	20.00	60.00
tblTripsAndVMT	HaulingTripLength	20.00	60.00
tblTripsAndVMT	HaulingTripLength	20.00	60.00
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tblTripsAndVMT	HaulingTripNumber	3.00	2.00
tblTripsAndVMT	VendorTripNumber	0.00	2.00
tblTripsAndVMT	VendorTripNumber	0.00	2.00
tblTripsAndVMT	WorkerTripNumber	25.00	8.00
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tblTripsAndVMT	WorkerTripNumber	5.00	7.00
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tblTripsAndVMT	WorkerTripNumber	0.00	2.00
tblTripsAndVMT	WorkerTripNumber	0.00	3.00
tblTripsAndVMT	WorkerTripNumber	20.00	2.00

tblTripsAndVMT	WorkerTripNumber	3.00	7.00

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	1.4395	14.7901	11.8286	0.0344	6.1275	0.7190	6.8464	3.3382	0.6614	3.9996	0.0000	3,607.0079	3,607.0079	0.5385	0.0000	3,619.6173
2020	2.9502	29.5394	20.8674	0.0363	6.0522	1.5829	7.6351	3.3182	1.4563	4.7745	0.0000	3,515.8922	3,515.8922	1.1279	0.0000	3,544.0897
Maximum	**2.9502**	**29.5394**	**20.8674**	**0.0363**	**6.1275**	**1.5829**	**7.6351**	**3.3382**	**1.4563**	**4.7745**	**0.0000**	**3,607.0079**	**3,607.0079**	**1.1279**	**0.0000**	**3,619.6173**

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	0.4992	7.8408	13.0882	0.0344	2.4540	0.1233	2.4773	1.3189	0.1146	1.3422	0.0000	3,607.0079	3,607.0079	0.5385	0.0000	3,619.6173
2020	1.2695	9.9518	23.0469	0.0363	2.3787	0.6670	3.0457	1.2990	0.6170	1.9160	0.0000	3,515.8922	3,515.8922	1.1279	0.0000	3,544.0897
Maximum	**1.2695**	**9.9518**	**23.0469**	**0.0363**	**2.4540**	**0.6670**	**3.0457**	**1.3189**	**0.6170**	**1.9160**	**0.0000**	**3,607.0079**	**3,607.0079**	**1.1279**	**0.0000**	**3,619.6173**

	ROG	NOx	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	**59.71**	**59.86**	**-10.52**	**0.00**	**60.32**	**65.67**	**61.86**	**60.67**	**65.45**	**62.87**	**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	1.0000e-005	0.0000	1.0000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		2.2000e-004	2.2000e-004	0.0000		2.3000e-004
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	**1.0000e-005**	**0.0000**	**1.0000e-004**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**		**2.2000e-004**	**2.2000e-004**	**0.0000**	**0.0000**	**2.3000e-004**

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	1.0000e-005	0.0000	1.0000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		2.2000e-004	2.2000e-004	0.0000		2.3000e-004
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	**1.0000e-005**	**0.0000**	**1.0000e-004**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**		**2.2000e-004**	**2.2000e-004**	**0.0000**	**0.0000**	**2.3000e-004**

	ROG	NOx	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	Task 4a Site Preparation	Site Preparation	9/1/2019	9/5/2019	5	4	
2	Task 4b	Site Preparation	9/6/2019	9/17/2019	5	8	
3	Task 5a	Site Preparation	9/18/2019	9/24/2019	5	5	
4	Task 5b	Grading	9/25/2019	9/30/2019	5	4	
5	Task 5c	Demolition	10/1/2019	10/7/2019	5	5	
6	Task 5d	Demolition	10/8/2019	10/9/2019	5	2	
7	Task 5e	Demolition	10/10/2019	11/6/2019	5	20	
8	Task 5f	Site Preparation	11/7/2019	11/13/2019	5	5	
9	Task 5g	Grading	11/14/2019	11/19/2019	5	4	
10	Task 6	Site Preparation	11/20/2019	2/21/2020	5	68	
11	Task 7	Site Preparation	2/22/2020	2/26/2020	5	3	
12	Task 8	Site Preparation	2/27/2020	2/27/2020	5	1	
13	Task 9	Site Preparation	2/28/2020	6/2/2020	5	68	
14	Task 10	Site Preparation	6/4/2020	6/9/2020	5	4	

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
Task 4b	Other Material Handling Equipment	1	8.00	168	0.40
Task 4b	Other General Industrial Equipment	8	8.00	6	0.34
Task 5a	Rubber Tired Loaders	1	8.00	203	0.36

Task 4b	Rubber Tired Dozers	0	8.00	247	0.40
Task 4b	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Task 5a	Excavators	1	8.00	158	0.38
Task 5a	Graders	0	8.00	187	0.41
Task 5a	Rubber Tired Dozers	0	8.00	247	0.40
Task 5a	Scrapers	0	8.00	367	0.48
Task 5a	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Task 5c	Excavators	2	8.00	158	0.38
Task 5c	Rubber Tired Loaders	1	8.00	203	0.36
Task 5d	Rubber Tired Loaders	1	8.00	203	0.36
Task 5e	Rubber Tired Loaders	1	8.00	203	0.36
Task 5f	Rubber Tired Loaders	1	8.00	203	0.36
Task 6	Other General Industrial Equipment	3	8.00	6	0.34
Task 10	Rubber Tired Loaders	1	8.00	203	0.36
Task 10	Excavators	1	8.00	158	0.38
Task 10	Other Material Handling Equipment	1	8.00	168	0.40
Task 5d	Concrete/Industrial Saws	0	8.00	81	0.73
Task 5e	Concrete/Industrial Saws	0	8.00	81	0.73
Task 10	Other General Industrial Equipment	4	8.00	88	0.34
Task 5d	Excavators	2	8.00	158	0.38
Task 5e	Excavators	2	8.00	158	0.38
Task 5b	Excavators	1	8.00	158	0.38
Task 5g	Excavators	1	8.00	158	0.38
Task 5b	Graders	0	8.00	187	0.41
Task 5g	Graders	0	8.00	187	0.41
Task 5c	Concrete/Industrial Saws	0	8.00	81	0.73
Task 5d	Rubber Tired Dozers	0	8.00	247	0.40
Task 5e	Rubber Tired Dozers	0	8.00	247	0.40
Task 5b	Rubber Tired Dozers	0	8.00	247	0.40
Task 5g	Rubber Tired Dozers	0	8.00	247	0.40

Task 5b	Rubber Tired Dozers	1	8.00	247	0.40
Task 6	Rubber Tired Dozers	0	0.00	88	0.34
Task 7	Rubber Tired Dozers	0	8.00	247	0.40
Task 8	Rubber Tired Dozers	0	8.00	247	0.40
Task 9	Rubber Tired Dozers	0	8.00	247	0.40
Task 10	Rubber Tired Dozers	1	8.00	247	0.40
Task 5f	Rubber Tired Dozers	0	8.00	247	0.40
Task 5b	Scrapers	0	8.00	367	0.48
Task 5g	Scrapers	0	8.00	367	0.48
Task 5g	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Task 4a Site Preparation	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Task 6	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Task 7	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Task 8	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Task 9	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Task 10	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Task 5f	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Task 4a Site Preparation	Other Material Handling Equipment	2	8.00	168	0.40
Task 4a Site Preparation	Other General Industrial Equipment	7	8.00	6	0.34
Task 5c	Rubber Tired Dozers	0	8.00	247	0.40
Task 4a Site Preparation	Rubber Tired Dozers	0	8.00	247	0.40
Task 5b	Tractors/Loaders/Backhoes	0	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
Task 4a Site Preparation	10	8.00	0.00	1.00	19.80	7.90	60.00	LD_Mix	HDT_Mix	HHDT
Task 4b	10	6.00	0.00	1.00	19.80	7.90	60.00	LD_Mix	HDT_Mix	HHDT
Task 5a	2	7.00	0.00	50.00	19.80	7.90	60.00	LD_Mix	HDT_Mix	HHDT
Task 5b	2	7.00	0.00	0.00	19.80	7.90	60.00	LD_Mix	HDT_Mix	HHDT

Task 5c	3	7.00	0.00	4.00	19.80	7.90	60.00	LD_Mix	HDT_Mix	HHDT
Task 5d	3	9.00	0.00	2.00	19.80	7.90	60.00	LD_Mix	HDT_Mix	HHDT
Task 5e	3	7.00	0.00	4.00	19.80	7.90	60.00	LD_Mix	HDT_Mix	HHDT
Task 5g	1	7.00	0.00	0.00	19.80	7.90	60.00	LD_Mix	HDT_Mix	HHDT
Task 6	3	3.00	0.00	2.00	19.80	7.90	60.00	LD_Mix	HDT_Mix	HHDT
Task 7	0	3.00	0.00	0.00	19.80	7.90	60.00	LD_Mix	HDT_Mix	HHDT
Task 8	0	2.00	2.00	0.00	19.80	7.90	60.00	LD_Mix	HDT_Mix	HHDT
Task 9	0	3.00	2.00	0.00	19.80	7.90	60.00	LD_Mix	HDT_Mix	HHDT
Task 10	8	2.00	0.00	0.00	19.80	7.90	60.00	LD_Mix	HDT_Mix	HHDT
Task 5f	1	7.00	0.00	0.00	19.80	7.90	60.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Water Exposed Area

3.2 Task 4a Site Preparation - 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					2.8000e-004	0.0000	2.8000e-004	4.0000e-005	0.0000	4.0000e-005			0.0000			0.0000
Off-Road	1.1581	10.1228	11.2789	0.0160		0.5792	0.5792		0.5328	0.5328		1,587.2354	1,587.2354	0.5022		1,599.7900
Total	**1.1581**	**10.1228**	**11.2789**	**0.0160**	**2.8000e-004**	**0.5792**	**0.5795**	**4.0000e-005**	**0.5328**	**0.5329**		**1,587.2354**	**1,587.2354**	**0.5022**		**1,599.7900**

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	6.1000e-003	0.1799	0.0426	5.5000e-004	0.0131	8.1000e-004	0.0139	3.5900e-003	7.8000e-004	4.3700e-003		59.0823	59.0823	3.5800e-003		59.1717
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	0.0504	0.0386	0.5071	1.3100e-003	0.1204	1.0200e-003	0.1214	0.0319	9.4000e-004	0.0329		130.0390	130.0390	4.4200e-003		130.1495
Total	**0.0565**	**0.2186**	**0.5497**	**1.8600e-003**	**0.1335**	**1.8300e-003**	**0.1354**	**0.0355**	**1.7200e-003**	**0.0372**		**189.1213**	**189.1213**	**8.0000e-003**		**189.3212**

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					1.1000e-004	0.0000	1.1000e-004	2.0000e-005	0.0000	2.0000e-005			0.0000			0.0000
Off-Road	0.4427	1.9915	12.5386	0.0160		0.1182	0.1182		0.1106	0.1106	0.0000	1,587.2354	1,587.2354	0.5022		1,599.7900
Total	**0.4427**	**1.9915**	**12.5386**	**0.0160**	**1.1000e-004**	**0.1182**	**0.1183**	**2.0000e-005**	**0.1106**	**0.1106**	**0.0000**	**1,587.2354**	**1,587.2354**	**0.5022**		**1,599.7900**

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	6.1000e-003	0.1799	0.0426	5.5000e-004	0.0131	8.1000e-004	0.0139	3.5900e-003	7.8000e-004	4.3700e-003		59.0823	59.0823	3.5800e-003		59.1717
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	0.0504	0.0386	0.5071	1.3100e-003	0.1204	1.0200e-003	0.1214	0.0319	9.4000e-004	0.0329		130.0390	130.0390	4.4200e-003		130.1495
Total	**0.0565**	**0.2186**	**0.5497**	**1.8600e-003**	**0.1335**	**1.8300e-003**	**0.1354**	**0.0355**	**1.7200e-003**	**0.0372**		**189.1213**	**189.1213**	**8.0000e-003**		**189.3212**

3.3 Task 4b - 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					1.4000e-004	0.0000	1.4000e-004	2.0000e-005	0.0000	2.0000e-005			0.0000			0.0000
Off-Road	0.8642	7.0083	7.7075	0.0104		0.4281	0.4281		0.3939	0.3939		1,034.4736	1,034.4736	0.3273		1,042.6561
Total	**0.8642**	**7.0083**	**7.7075**	**0.0104**	**1.4000e-004**	**0.4281**	**0.4283**	**2.0000e-005**	**0.3939**	**0.3939**		**1,034.4736**	**1,034.4736**	**0.3273**		**1,042.6561**

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	3.0500e-003	0.0900	0.0213	2.7000e-004	6.5500e-003	4.1000e-004	6.9600e-003	1.8000e-003	3.9000e-004	2.1800e-003		29.5412	29.5412	1.7900e-003		29.5859
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	0.0378	0.0290	0.3804	9.8000e-004	0.0903	7.6000e-004	0.0911	0.0240	7.0000e-004	0.0247		97.5293	97.5293	3.3100e-003		97.6121
Total	**0.0409**	**0.1189**	**0.4016**	**1.2500e-003**	**0.0969**	**1.1700e-003**	**0.0980**	**0.0258**	**1.0900e-003**	**0.0268**		**127.0704**	**127.0704**	**5.1000e-003**		**127.1980**

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					6.0000e-005	0.0000	6.0000e-005	1.0000e-005	0.0000	1.0000e-005			0.0000			0.0000
Off-Road	0.4091	1.8563	8.3570	0.0104		0.1221	0.1221		0.1135	0.1135	0.0000	1,034.4736	1,034.4736	0.3273		1,042.6561
Total	**0.4091**	**1.8563**	**8.3570**	**0.0104**	**6.0000e-005**	**0.1221**	**0.1222**	**1.0000e-005**	**0.1135**	**0.1135**	**0.0000**	**1,034.4736**	**1,034.4736**	**0.3273**		**1,042.6561**

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	3.0500e-003	0.0900	0.0213	2.7000e-004	6.5500e-003	4.1000e-004	6.9600e-003	1.8000e-003	3.9000e-004	2.1800e-003		29.5412	29.5412	1.7900e-003		29.5859
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	0.0378	0.0290	0.3804	9.8000e-004	0.0903	7.6000e-004	0.0911	0.0240	7.0000e-004	0.0247		97.5293	97.5293	3.3100e-003		97.6121
Total	**0.0409**	**0.1189**	**0.4016**	**1.2500e-003**	**0.0969**	**1.1700e-003**	**0.0980**	**0.0258**	**1.0900e-003**	**0.0268**		**127.0704**	**127.0704**	**5.1000e-003**		**127.1980**

3.4 Task 5a - 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					0.0113	0.0000	0.0113	1.7100e-003	0.0000	1.7100e-003			0.0000			0.0000
Off-Road	0.6595	7.5082	4.9420	0.0114		0.2912	0.2912		0.2679	0.2679		1,129.9311	1,129.9311	0.3575		1,138.8686
Total	**0.6595**	**7.5082**	**4.9420**	**0.0114**	**0.0113**	**0.2912**	**0.3025**	**1.7100e-003**	**0.2679**	**0.2696**		**1,129.9311**	**1,129.9311**	**0.3575**		**1,138.8686**

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	0.2441	7.1965	1.7021	0.0218	0.5241	0.0325	0.5565	0.1436	0.0310	0.1747		2,363.2926	2,363.2926	0.1430		2,366.8679
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	0.0441	0.0338	0.4437	1.1400e-003	0.1054	8.9000e-004	0.1063	0.0279	8.2000e-004	0.0288		113.7842	113.7842	3.8700e-003		113.8808
Total	**0.2882**	**7.2304**	**2.1458**	**0.0230**	**0.6295**	**0.0333**	**0.6628**	**0.1716**	**0.0319**	**0.2034**		**2,477.0767**	**2,477.0767**	**0.1469**		**2,480.7487**

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					4.4100e-003	0.0000	4.4100e-003	6.7000e-004	0.0000	6.7000e-004			0.0000			0.0000

Off-Road	0.1409	0.6104	6.7536	0.0114		0.0188	0.0188		0.0188	0.0188	0.0000	1,129.9311	1,129.9311	0.3575		1,138.8686
Total	**0.1409**	**0.6104**	**6.7536**	**0.0114**	**4.4100e-003**	**0.0188**	**0.0232**	**6.7000e-004**	**0.0188**	**0.0195**	**0.0000**	**1,129.9311**	**1,129.9311**	**0.3575**		**1,138.8686**

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	0.2441	7.1965	1.7021	0.0218	0.5241	0.0325	0.5565	0.1436	0.0310	0.1747		2,363.2926	2,363.2926	0.1430		2,366.8679
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	0.0441	0.0338	0.4437	1.1400e-003	0.1054	8.9000e-004	0.1063	0.0279	8.2000e-004	0.0288		113.7842	113.7842	3.8700e-003		113.8808
Total	**0.2882**	**7.2304**	**2.1458**	**0.0230**	**0.6295**	**0.0333**	**0.6628**	**0.1716**	**0.0319**	**0.2034**		**2,477.0767**	**2,477.0767**	**0.1469**		**2,480.7487**

3.5 Task 5b - 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					6.0221	0.0000	6.0221	3.3102	0.0000	3.3102			0.0000			0.0000
Off-Road	1.3953	14.7563	7.5473	0.0137		0.7181	0.7181		0.6606	0.6606		1,356.5541	1,356.5541	0.4292		1,367.2840
Total	**1.3953**	**14.7563**	**7.5473**	**0.0137**	**6.0221**	**0.7181**	**6.7402**	**3.3102**	**0.6606**	**3.9709**		**1,356.5541**	**1,356.5541**	**0.4292**		**1,367.2840**

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	0.0441	0.0338	0.4437	1.1400e-003	0.1054	8.9000e-004	0.1063	0.0279	8.2000e-004	0.0288		113.7842	113.7842	3.8700e-003		113.8808
Total	**0.0441**	**0.0338**	**0.4437**	**1.1400e-003**	**0.1054**	**8.9000e-004**	**0.1063**	**0.0279**	**8.2000e-004**	**0.0288**		**113.7842**	**113.7842**	**3.8700e-003**		**113.8808**

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					2.3486	0.0000	2.3486	1.2910	0.0000	1.2910			0.0000			0.0000
Off-Road	0.1681	0.7284	7.7516	0.0137		0.0224	0.0224		0.0224	0.0224	0.0000	1,356.5541	1,356.5541	0.4292		1,367.2840
Total	**0.1681**	**0.7284**	**7.7516**	**0.0137**	**2.3486**	**0.0224**	**2.3710**	**1.2910**	**0.0224**	**1.3134**	**0.0000**	**1,356.5541**	**1,356.5541**	**0.4292**		**1,367.2840**

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	0.0441	0.0338	0.4437	1.1400e-003	0.1054	8.9000e-004	0.1063	0.0279	8.2000e-004	0.0288		113.7842	113.7842	3.8700e-003		113.8808
Total	**0.0441**	**0.0338**	**0.4437**	**1.1400e-003**	**0.1054**	**8.9000e-004**	**0.1063**	**0.0279**	**8.2000e-004**	**0.0288**		**113.7842**	**113.7842**	**3.8700e-003**		**113.8808**

3.6 Task 5c - 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					0.2140	0.0000	0.2140	0.0324	0.0000	0.0324			0.0000			0.0000
Off-Road	0.9202	10.1901	8.2052	0.0166		0.4205	0.4205		0.3869	0.3869		1,641.0567	1,641.0567	0.5192		1,654.0370
Total	**0.9202**	**10.1901**	**8.2052**	**0.0166**	**0.2140**	**0.4205**	**0.6345**	**0.0324**	**0.3869**	**0.4193**		**1,641.0567**	**1,641.0567**	**0.5192**		**1,654.0370**

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	0.0195	0.5757	0.1362	1.7500e-003	0.0419	2.6000e-003	0.0445	0.0115	2.4800e-003	0.0140		189.0634	189.0634	0.0114		189.3494
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	0.0441	0.0338	0.4437	1.1400e-003	0.1054	8.9000e-004	0.1063	0.0279	8.2000e-004	0.0288		113.7842	113.7842	3.8700e-003		113.8808
Total	**0.0637**	**0.6095**	**0.5799**	**2.8900e-003**	**0.1473**	**3.4900e-003**	**0.1508**	**0.0394**	**3.3000e-003**	**0.0427**		**302.8476**	**302.8476**	**0.0153**		**303.2303**

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					0.0835	0.0000	0.0835	0.0126	0.0000	0.0126			0.0000			0.0000
Off-Road	0.2044	0.8858	10.6716	0.0166		0.0273	0.0273		0.0273	0.0273	0.0000	1,641.0567	1,641.0567	0.5192		1,654.0370
Total	**0.2044**	**0.8858**	**10.6716**	**0.0166**	**0.0835**	**0.0273**	**0.1107**	**0.0126**	**0.0273**	**0.0399**	**0.0000**	**1,641.0567**	**1,641.0567**	**0.5192**		**1,654.0370**

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	0.0195	0.5757	0.1362	1.7500e-003	0.0419	2.6000e-003	0.0445	0.0115	2.4800e-003	0.0140		189.0634	189.0634	0.0114		189.3494
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	0.0441	0.0338	0.4437	1.1400e-003	0.1054	8.9000e-004	0.1063	0.0279	8.2000e-004	0.0288		113.7842	113.7842	3.8700e-003		113.8808
Total	**0.0637**	**0.6095**	**0.5799**	**2.8900e-003**	**0.1473**	**3.4900e-003**	**0.1508**	**0.0394**	**3.3000e-003**	**0.0427**		**302.8476**	**302.8476**	**0.0153**		**303.2303**

3.7 Task 5d - 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					0.2140	0.0000	0.2140	0.0324	0.0000	0.0324			0.0000			0.0000
Off-Road	0.9202	10.1901	8.2052	0.0166		0.4205	0.4205		0.3869	0.3869		1,641.0567	1,641.0567	0.5192		1,654.0370
Total	**0.9202**	**10.1901**	**8.2052**	**0.0166**	**0.2140**	**0.4205**	**0.6345**	**0.0324**	**0.3869**	**0.4193**		**1,641.0567**	**1,641.0567**	**0.5192**		**1,654.0370**

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	0.0244	0.7197	0.1702	2.1800e-003	0.0524	3.2400e-003	0.0557	0.0144	3.1000e-003	0.0175		236.3293	236.3293	0.0143		236.6868
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	0.0567	0.0435	0.5705	1.4700e-003	0.1355	1.1500e-003	0.1366	0.0359	1.0600e-003	0.0370		146.2939	146.2939	4.9700e-003		146.4182
Total	**0.0811**	**0.7631**	**0.7407**	**3.6500e-003**	**0.1879**	**4.3900e-003**	**0.1923**	**0.0503**	**4.1600e-003**	**0.0545**		**382.6232**	**382.6232**	**0.0193**		**383.1050**

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					0.0835	0.0000	0.0835	0.0126	0.0000	0.0126			0.0000			0.0000

Off-Road	0.2044	0.8858	10.6716	0.0166		0.0273	0.0273		0.0273	0.0273	0.0000	1,641.0567	1,641.0567	0.5192		1,654.0370
Total	**0.2044**	**0.8858**	**10.6716**	**0.0166**	**0.0835**	**0.0273**	**0.1107**	**0.0126**	**0.0273**	**0.0399**	**0.0000**	**1,641.0567**	**1,641.0567**	**0.5192**		**1,654.0370**

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	0.0244	0.7197	0.1702	2.1800e-003	0.0524	3.2400e-003	0.0557	0.0144	3.1000e-003	0.0175		236.3293	236.3293	0.0143		236.6868
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	0.0567	0.0435	0.5705	1.4700e-003	0.1355	1.1500e-003	0.1366	0.0359	1.0600e-003	0.0370		146.2939	146.2939	4.9700e-003		146.4182
Total	**0.0811**	**0.7631**	**0.7407**	**3.6500e-003**	**0.1879**	**4.3900e-003**	**0.1923**	**0.0503**	**4.1600e-003**	**0.0545**		**382.6232**	**382.6232**	**0.0193**		**383.1050**

3.8 Task 5e - 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					0.0535	0.0000	0.0535	8.1000e-003	0.0000	8.1000e-003			0.0000			0.0000
Off-Road	0.9202	10.1901	8.2052	0.0166		0.4205	0.4205		0.3869	0.3869		1,641.0567	1,641.0567	0.5192		1,654.0370
Total	**0.9202**	**10.1901**	**8.2052**	**0.0166**	**0.0535**	**0.4205**	**0.4740**	**8.1000e-003**	**0.3869**	**0.3950**		**1,641.0567**	**1,641.0567**	**0.5192**		**1,654.0370**

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	4.8800e-003	0.1439	0.0340	4.4000e-004	0.0105	6.5000e-004	0.0111	2.8700e-003	6.2000e-004	3.4900e-003		47.2659	47.2659	2.8600e-003		47.3374
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	0.0441	0.0338	0.4437	1.1400e-003	0.1054	8.9000e-004	0.1063	0.0279	8.2000e-004	0.0288		113.7842	113.7842	3.8700e-003		113.8808
Total	**0.0490**	**0.1777**	**0.4778**	**1.5800e-003**	**0.1159**	**1.5400e-003**	**0.1174**	**0.0308**	**1.4400e-003**	**0.0323**		**161.0500**	**161.0500**	**6.7300e-003**		**161.2182**

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					0.0209	0.0000	0.0209	3.1600e-003	0.0000	3.1600e-003			0.0000			0.0000
Off-Road	0.2044	0.8858	10.6716	0.0166		0.0273	0.0273		0.0273	0.0273	0.0000	1,641.0567	1,641.0567	0.5192		1,654.0370
Total	**0.2044**	**0.8858**	**10.6716**	**0.0166**	**0.0209**	**0.0273**	**0.0481**	**3.1600e-003**	**0.0273**	**0.0304**	**0.0000**	**1,641.0567**	**1,641.0567**	**0.5192**		**1,654.0370**

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	4.8800e-003	0.1439	0.0340	4.4000e-004	0.0105	6.5000e-004	0.0111	2.8700e-003	6.2000e-004	3.4900e-003		47.2659	47.2659	2.8600e-003		47.3374
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	0.0441	0.0338	0.4437	1.1400e-003	0.1054	8.9000e-004	0.1063	0.0279	8.2000e-004	0.0288		113.7842	113.7842	3.8700e-003		113.8808
Total	**0.0490**	**0.1777**	**0.4778**	**1.5800e-003**	**0.1159**	**1.5400e-003**	**0.1174**	**0.0308**	**1.4400e-003**	**0.0323**		**161.0500**	**161.0500**	**6.7300e-003**		**161.2182**

3.9 Task 5f - 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					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.3988	4.8264	1.6788	6.2500e-003		0.1618	0.1618		0.1489	0.1489		618.8056	618.8056	0.1958		623.7002
Total	**0.3988**	**4.8264**	**1.6788**	**6.2500e-003**	**0.0000**	**0.1618**	**0.1618**	**0.0000**	**0.1489**	**0.1489**		**618.8056**	**618.8056**	**0.1958**		**623.7002**

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	0.0441	0.0338	0.4437	1.1400e-003	0.1054	8.9000e-004	0.1063	0.0279	8.2000e-004	0.0288		113.7842	113.7842	3.8700e-003		113.8808
Total	**0.0441**	**0.0338**	**0.4437**	**1.1400e-003**	**0.1054**	**8.9000e-004**	**0.1063**	**0.0279**	**8.2000e-004**	**0.0288**		**113.7842**	**113.7842**	**3.8700e-003**		**113.8808**

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	0.0773	0.3351	2.8356	6.2500e-003		0.0103	0.0103		0.0103	0.0103	0.0000	618.8056	618.8056	0.1958		623.7002
Total	**0.0773**	**0.3351**	**2.8356**	**6.2500e-003**	**0.0000**	**0.0103**	**0.0103**	**0.0000**	**0.0103**	**0.0103**	**0.0000**	**618.8056**	**618.8056**	**0.1958**		**623.7002**

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	0.0441	0.0338	0.4437	1.1400e-003	0.1054	8.9000e-004	0.1063	0.0279	8.2000e-004	0.0288		113.7842	113.7842	3.8700e-003		113.8808
Total	**0.0441**	**0.0338**	**0.4437**	**1.1400e-003**	**0.1054**	**8.9000e-004**	**0.1063**	**0.0279**	**8.2000e-004**	**0.0288**		**113.7842**	**113.7842**	**3.8700e-003**		**113.8808**

3.10 Task 5g - 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					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.2607	2.6819	3.2632	5.1600e-003		0.1293	0.1293		0.1190	0.1190		511.1256	511.1256	0.1617		515.1684
Total	**0.2607**	**2.6819**	**3.2632**	**5.1600e-003**	**0.0000**	**0.1293**	**0.1293**	**0.0000**	**0.1190**	**0.1190**		**511.1256**	**511.1256**	**0.1617**		**515.1684**

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	0.0441	0.0338	0.4437	1.1400e-003	0.1054	8.9000e-004	0.1063	0.0279	8.2000e-004	0.0288		113.7842	113.7842	3.8700e-003		113.8808
Total	**0.0441**	**0.0338**	**0.4437**	**1.1400e-003**	**0.1054**	**8.9000e-004**	**0.1063**	**0.0279**	**8.2000e-004**	**0.0288**		**113.7842**	**113.7842**	**3.8700e-003**		**113.8808**

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	0.0635	0.2753	3.9180	5.1600e-003		8.4700e-003	8.4700e-003		8.4700e-003	8.4700e-003	0.0000	511.1256	511.1256	0.1617		515.1684
Total	**0.0635**	**0.2753**	**3.9180**	**5.1600e-003**	**0.0000**	**8.4700e-003**	**8.4700e-003**	**0.0000**	**8.4700e-003**	**8.4700e-003**	**0.0000**	**511.1256**	**511.1256**	**0.1617**		**515.1684**

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	0.0441	0.0338	0.4437	1.1400e-003	0.1054	8.9000e-004	0.1063	0.0279	8.2000e-004	0.0288		113.7842	113.7842	3.8700e-003		113.8808
Total	**0.0441**	**0.0338**	**0.4437**	**1.1400e-003**	**0.1054**	**8.9000e-004**	**0.1063**	**0.0279**	**8.2000e-004**	**0.0288**		**113.7842**	**113.7842**	**3.8700e-003**		**113.8808**

3.11 Task 6 - 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					3.0000e-005	0.0000	3.0000e-005	1.0000e-005	0.0000	1.0000e-005			0.0000			0.0000
Off-Road	0.1125	0.5188	0.6111	5.8000e-004		0.0403	0.0403		0.0371	0.0371		58.0567	58.0567	0.0184		58.5159
Total	**0.1125**	**0.5188**	**0.6111**	**5.8000e-004**	**3.0000e-005**	**0.0403**	**0.0404**	**1.0000e-005**	**0.0371**	**0.0371**		**58.0567**	**58.0567**	**0.0184**		**58.5159**

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	7.2000e-004	0.0212	5.0100e-003	6.0000e-005	3.0200e-003	1.0000e-004	3.1100e-003	7.9000e-004	9.0000e-005	8.8000e-004		6.9509	6.9509	4.2000e-004		6.9614
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	0.0189	0.0145	0.1902	4.9000e-004	0.0452	3.8000e-004	0.0455	0.0120	3.5000e-004	0.0123		48.7646	48.7646	1.6600e-003		48.8061
Total	**0.0196**	**0.0357**	**0.1952**	**5.5000e-004**	**0.0482**	**4.8000e-004**	**0.0487**	**0.0128**	**4.4000e-004**	**0.0132**		**55.7155**	**55.7155**	**2.0800e-003**		**55.7674**

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					1.0000e-005	0.0000	1.0000e-005	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.1125	0.5188	0.6111	5.8000e-004		0.0403	0.0403		0.0371	0.0371	0.0000	58.0567	58.0567	0.0184		58.5159
Total	**0.1125**	**0.5188**	**0.6111**	**5.8000e-004**	**1.0000e-005**	**0.0403**	**0.0404**	**0.0000**	**0.0371**	**0.0371**	**0.0000**	**58.0567**	**58.0567**	**0.0184**		**58.5159**

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	7.2000e-004	0.0212	5.0100e-003	6.0000e-005	3.0200e-003	1.0000e-004	3.1100e-003	7.9000e-004	9.0000e-005	8.8000e-004		6.9509	6.9509	4.2000e-004		6.9614
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	0.0189	0.0145	0.1902	4.9000e-004	0.0452	3.8000e-004	0.0455	0.0120	3.5000e-004	0.0123		48.7646	48.7646	1.6600e-003		48.8061
Total	**0.0196**	**0.0357**	**0.1952**	**5.5000e-004**	**0.0482**	**4.8000e-004**	**0.0487**	**0.0128**	**4.4000e-004**	**0.0132**		**55.7155**	**55.7155**	**2.0800e-003**		**55.7674**

3.11 Task 6 - 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					3.0000e-005	0.0000	3.0000e-005	1.0000e-005	0.0000	1.0000e-005			0.0000			0.0000
Off-Road	0.1021	0.4989	0.5941	5.8000e-004		0.0361	0.0361		0.0332	0.0332		56.7946	56.7946	0.0184		57.2538
Total	**0.1021**	**0.4989**	**0.5941**	**5.8000e-004**	**3.0000e-005**	**0.0361**	**0.0361**	**1.0000e-005**	**0.0332**	**0.0332**		**56.7946**	**56.7946**	**0.0184**		**57.2538**

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	6.7000e-004	0.0197	4.9200e-003	6.0000e-005	2.4600e-003	8.0000e-005	2.5400e-003	6.5000e-004	8.0000e-005	7.2000e-004		6.8732	6.8732	4.2000e-004		6.8837
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	0.0174	0.0129	0.1728	4.7000e-004	0.0452	3.7000e-004	0.0455	0.0120	3.4000e-004	0.0123		47.2830	47.2830	1.4800e-003		47.3199
Total	**0.0181**	**0.0326**	**0.1777**	**5.3000e-004**	**0.0476**	**4.5000e-004**	**0.0481**	**0.0126**	**4.2000e-004**	**0.0130**		**54.1562**	**54.1562**	**1.9000e-003**		**54.2035**

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					1.0000e-005	0.0000	1.0000e-005	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.1021	0.4989	0.5941	5.8000e-004		0.0361	0.0361		0.0332	0.0332	0.0000	56.7946	56.7946	0.0184		57.2538
Total	**0.1021**	**0.4989**	**0.5941**	**5.8000e-004**	**1.0000e-005**	**0.0361**	**0.0361**	**0.0000**	**0.0332**	**0.0332**	**0.0000**	**56.7946**	**56.7946**	**0.0184**		**57.2538**

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	6.7000e-004	0.0197	4.9200e-003	6.0000e-005	2.4600e-003	8.0000e-005	2.5400e-003	6.5000e-004	8.0000e-005	7.2000e-004		6.8732	6.8732	4.2000e-004		6.8837
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	0.0174	0.0129	0.1728	4.7000e-004	0.0452	3.7000e-004	0.0455	0.0120	3.4000e-004	0.0123		47.2830	47.2830	1.4800e-003		47.3199
Total	**0.0181**	**0.0326**	**0.1777**	**5.3000e-004**	**0.0476**	**4.5000e-004**	**0.0481**	**0.0126**	**4.2000e-004**	**0.0130**		**54.1562**	**54.1562**	**1.9000e-003**		**54.2035**

3.12 Task 7 - 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
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**		**0.0000**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	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	0.0174	0.0129	0.1728	4.7000e-004	0.0452	3.7000e-004	0.0455	0.0120	3.4000e-004	0.0123		47.2830	47.2830	1.4800e-003		47.3199
Total	**0.0174**	**0.0129**	**0.1728**	**4.7000e-004**	**0.0452**	**3.7000e-004**	**0.0455**	**0.0120**	**3.4000e-004**	**0.0123**		**47.2830**	**47.2830**	**1.4800e-003**		**47.3199**

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	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.0174	0.0129	0.1728	4.7000e-004	0.0452	3.7000e-004	0.0455	0.0120	3.4000e-004	0.0123		47.2830	47.2830	1.4800e-003		47.3199
Total	**0.0174**	**0.0129**	**0.1728**	**4.7000e-004**	**0.0452**	**3.7000e-004**	**0.0455**	**0.0120**	**3.4000e-004**	**0.0123**		**47.2830**	**47.2830**	**1.4800e-003**		**47.3199**

3.13 Task 8 - 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
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**		**0.0000**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	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	7.7300e-003	0.2262	0.0597	5.8000e-004	0.0147	1.1400e-003	0.0158	4.2200e-003	1.0900e-003	5.3100e-003		61.6606	61.6606	3.6100e-003		61.7509
Worker	0.0116	8.6200e-003	0.1152	3.2000e-004	0.0301	2.5000e-004	0.0304	7.9800e-003	2.3000e-004	8.2100e-003		31.5220	31.5220	9.8000e-004		31.5466
Total	**0.0194**	**0.2348**	**0.1749**	**9.0000e-004**	**0.0448**	**1.3900e-003**	**0.0461**	**0.0122**	**1.3200e-003**	**0.0135**		**93.1826**	**93.1826**	**4.5900e-003**		**93.2974**

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	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	7.7300e-003	0.2262	0.0597	5.8000e-004	0.0147	1.1400e-003	0.0158	4.2200e-003	1.0900e-003	5.3100e-003		61.6606	61.6606	3.6100e-003		61.7509
Worker	0.0116	8.6200e-003	0.1152	3.2000e-004	0.0301	2.5000e-004	0.0304	7.9800e-003	2.3000e-004	8.2100e-003		31.5220	31.5220	9.8000e-004		31.5466
Total	**0.0194**	**0.2348**	**0.1749**	**9.0000e-004**	**0.0448**	**1.3900e-003**	**0.0461**	**0.0122**	**1.3200e-003**	**0.0135**		**93.1826**	**93.1826**	**4.5900e-003**		**93.2974**

3.14 Task 9 - 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
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**		**0.0000**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	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	7.7300e-003	0.2262	0.0597	5.8000e-004	0.0147	1.1400e-003	0.0158	4.2200e-003	1.0900e-003	5.3100e-003		61.6606	61.6606	3.6100e-003		61.7509
Worker	0.0174	0.0129	0.1728	4.7000e-004	0.0452	3.7000e-004	0.0455	0.0120	3.4000e-004	0.0123		47.2830	47.2830	1.4800e-003		47.3199
Total	**0.0252**	**0.2391**	**0.2325**	**1.0500e-003**	**0.0598**	**1.5100e-003**	**0.0613**	**0.0162**	**1.4300e-003**	**0.0176**		**108.9436**	**108.9436**	**5.0900e-003**		**109.0707**

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	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	7.7300e-003	0.2262	0.0597	5.8000e-004	0.0147	1.1400e-003	0.0158	4.2200e-003	1.0900e-003	5.3100e-003		61.6606	61.6606	3.6100e-003		61.7509
Worker	0.0174	0.0129	0.1728	4.7000e-004	0.0452	3.7000e-004	0.0455	0.0120	3.4000e-004	0.0123		47.2830	47.2830	1.4800e-003		47.3199
Total	**0.0252**	**0.2391**	**0.2325**	**1.0500e-003**	**0.0598**	**1.5100e-003**	**0.0613**	**0.0162**	**1.4300e-003**	**0.0176**		**108.9436**	**108.9436**	**5.0900e-003**		**109.0707**

3.15 Task 10 - 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					6.0221	0.0000	6.0221	3.3102	0.0000	3.3102			0.0000			0.0000
Off-Road	2.9386	29.5308	20.7522	0.0360		1.5827	1.5827		1.4561	1.4561		3,484.3702	3,484.3702	1.1269		3,512.5431
Total	**2.9386**	**29.5308**	**20.7522**	**0.0360**	**6.0221**	**1.5827**	**7.6048**	**3.3102**	**1.4561**	**4.7663**		**3,484.3702**	**3,484.3702**	**1.1269**		**3,512.5431**

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	0.0116	8.6200e-003	0.1152	3.2000e-004	0.0301	2.5000e-004	0.0304	7.9800e-003	2.3000e-004	8.2100e-003		31.5220	31.5220	9.8000e-004		31.5466
Total	**0.0116**	**8.6200e-003**	**0.1152**	**3.2000e-004**	**0.0301**	**2.5000e-004**	**0.0304**	**7.9800e-003**	**2.3000e-004**	**8.2100e-003**		**31.5220**	**31.5220**	**9.8000e-004**		**31.5466**

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					2.3486	0.0000	2.3486	1.2910	0.0000	1.2910			0.0000			0.0000

Off-Road	1.2579	9.9432	22.9317	0.0360		0.6667	0.6667		0.6168	0.6168	0.0000	3,484.3702	3,484.3702	1.1269		3,512.5431
Total	**1.2579**	**9.9432**	**22.9317**	**0.0360**	**2.3486**	**0.6667**	**3.0153**	**1.2910**	**0.6168**	**1.9077**	**0.0000**	**3,484.3702**	**3,484.3702**	**1.1269**		**3,512.5431**

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	0.0116	8.6200e-003	0.1152	3.2000e-004	0.0301	2.5000e-004	0.0304	7.9800e-003	2.3000e-004	8.2100e-003		31.5220	31.5220	9.8000e-004		31.5466
Total	**0.0116**	**8.6200e-003**	**0.1152**	**3.2000e-004**	**0.0301**	**2.5000e-004**	**0.0304**	**7.9800e-003**	**2.3000e-004**	**8.2100e-003**		**31.5220**	**31.5220**	**9.8000e-004**		**31.5466**

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 Industrial	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 Industrial	18.50	10.10	7.90	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
User Defined Industrial	0.547726	0.045437	0.201480	0.122768	0.016614	0.006090	0.019326	0.029174	0.002438	0.002359	0.005005	0.000677	0.000907

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 Industrial	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**

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 Industrial	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	1.0000e-005	0.0000	1.0000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		2.2000e-004	2.2000e-004	0.0000		2.3000e-004
Unmitigated	1.0000e-005	0.0000	1.0000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		2.2000e-004	2.2000e-004	0.0000		2.3000e-004

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
Landscaping	1.0000e-005	0.0000	1.0000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		2.2000e-004	2.2000e-004	0.0000		2.3000e-004
Total	**1.0000e-005**	**0.0000**	**1.0000e-004**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**		**2.2000e-004**	**2.2000e-004**	**0.0000**		**2.3000e-004**

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
Landscaping	1.0000e-005	0.0000	1.0000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		2.2000e-004	2.2000e-004	0.0000		2.3000e-004
Total	**1.0000e-005**	**0.0000**	**1.0000e-004**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**		**2.2000e-004**	**2.2000e-004**	**0.0000**		**2.3000e-004**

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

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

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

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

Stickleback Ranch Mitigation Area - Los Angeles-South Coast County, Annual

Stickleback Ranch Mitigation Area

Los Angeles-South Coast County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
User Defined Industrial	1.00	User Defined Unit	31.50	0.00	0

1.2 Other Project Characteristics

Urbanization	Rural	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	33
Climate Zone	9			**Operational Year**	2020
Utility Company	Los Angeles Department of Water & Power				
CO2 Intensity (lb/MWhr)	1227.89	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - .

Land Use - Acreage from Nov 2018 Stickleback Mitigation Plan

Off-road Equipment - .

Construction Phase - .

Off-road Equipment - .

Off-road Equipment - .

Off-road Equipment - .

Off-road Equipment - .

Off-road Equipment - .

Off-road Equipment - .

Off-road Equipment - .

Off-road Equipment - .

Off-road Equipment - .

Off-road Equipment - .

Off-road Equipment - .

Off-road Equipment - .

Off-road Equipment - .

Off-road Equipment - .

Grading - .

Demolition - .

Trips and VMT - .

Fleet Mix - .

Energy Use -

Construction Off-road Equipment Mitigation - .

Table Name	Column Name	Default Value	New Value
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tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
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tblConstEquipMitigation	Tier	No Change	Tier 4 Final
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tblOffRoadEquipment	HorsePower	88.00	6.00
tblOffRoadEquipment	HorsePower	247.00	88.00

tblOffRoadEquipment	HorsePower	88.00	6.00
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tblOffRoadEquipment	OffRoadEquipmentType		Rubber Tired Loaders
tblOffRoadEquipment	OffRoadEquipmentType		Rubber Tired Loaders
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tblProjectCharacteristics	UrbanizationLevel	Urban	Rural
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tblTripsAndVMT	WorkerTripNumber	3.00	7.00

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					
2019	0.0282	0.2844	0.2314	4.9000e-004	0.0186	0.0121	0.0307	8.2300e-003	0.0112	0.0194	0.0000	45.0506	45.0506	0.0116	0.0000	45.3396
2020	9.0900e-003	0.0777	0.0641	1.3000e-004	0.0151	3.9100e-003	0.0190	7.4400e-003	3.6000e-003	0.0110	0.0000	11.6349	11.6349	2.5600e-003	0.0000	11.6988
Maximum	**0.0282**	**0.2844**	**0.2314**	**4.9000e-004**	**0.0186**	**0.0121**	**0.0307**	**8.2300e-003**	**0.0112**	**0.0194**	**0.0000**	**45.0506**	**45.0506**	**0.0116**	**0.0000**	**45.3396**

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					
2019	0.0103	0.0606	0.2790	4.9000e-004	0.0105	1.9700e-003	0.0124	4.0700e-003	1.8600e-003	5.9300e-003	0.0000	45.0505	45.0505	0.0116	0.0000	45.3396
2020	5.7300e-003	0.0386	0.0685	1.3000e-004	7.7300e-003	2.0800e-003	9.8100e-003	3.4000e-003	1.9200e-003	5.3200e-003	0.0000	11.6349	11.6349	2.5600e-003	0.0000	11.6988
Maximum	**0.0103**	**0.0606**	**0.2790**	**4.9000e-004**	**0.0105**	**2.0800e-003**	**0.0124**	**4.0700e-003**	**1.9200e-003**	**5.9300e-003**	**0.0000**	**45.0505**	**45.0505**	**0.0116**	**0.0000**	**45.3396**

	ROG	NOx	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	**56.98**	**72.63**	**-17.57**	**0.00**	**45.99**	**74.72**	**55.28**	**52.33**	**74.37**	**63.02**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	9-1-2019	11-30-2019	0.3031	0.0620
2	12-1-2019	2-29-2020	0.0202	0.0202
3	3-1-2020	5-31-2020	0.0087	0.0087
4	6-1-2020	8-31-2020	0.0698	0.0242
		Highest	0.3031	0.0620

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.0000	0.0000	1.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.0000e-005	2.0000e-005	0.0000	0.0000	3.0000e-005
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Waste						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Water						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**1.0000e-005**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**2.0000e-005**	**2.0000e-005**	**0.0000**	**0.0000**	**3.0000e-005**

Mitigated Operational

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

Area	0.0000	0.0000	1.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.0000e-005	2.0000e-005	0.0000	0.0000	3.0000e-005
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Waste						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Water						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**1.0000e-005**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**2.0000e-005**	**2.0000e-005**	**0.0000**	**0.0000**	**3.0000e-005**

	ROG	NOx	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	Task 4a Site Preparation	Site Preparation	9/1/2019	9/5/2019	5	4	
2	Task 4b	Site Preparation	9/6/2019	9/17/2019	5	8	
3	Task 5a	Site Preparation	9/18/2019	9/24/2019	5	5	
4	Task 5b	Grading	9/25/2019	9/30/2019	5	4	
5	Task 5c	Demolition	10/1/2019	10/7/2019	5	5	
6	Task 5d	Demolition	10/8/2019	10/9/2019	5	2	
7	Task 5e	Demolition	10/10/2019	11/6/2019	5	20	
8	Task 5f	Site Preparation	11/7/2019	11/13/2019	5	5	
9	Task 5g	Grading	11/14/2019	11/19/2019	5	4	
10	Task 6	Site Preparation	11/20/2019	2/21/2020	5	68	
11	Task 7	Site Preparation	2/22/2020	2/26/2020	5	3	
12	Task 8	Site Preparation	2/27/2020	2/27/2020	5	1	
13	Task 9	Site Preparation	2/28/2020	6/2/2020	5	68	
14	Task 10	Site Preparation	6/4/2020	6/9/2020	5	4	

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
Task 4b	Other Material Handling Equipment	1	8.00	168	0.40
Task 4b	Other General Industrial Equipment	8	8.00	6	0.34
Task 5a	Rubber Tired Loaders	1	8.00	203	0.36
Task 4b	Rubber Tired Dozers	0	8.00	247	0.40
Task 4b	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Task 5a	Excavators	1	8.00	158	0.38
Task 5a	Graders	0	8.00	187	0.41
Task 5a	Rubber Tired Dozers	0	8.00	247	0.40
Task 5a	Scrapers	0	8.00	367	0.48
Task 5a	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Task 5c	Excavators	2	8.00	158	0.38
Task 5c	Rubber Tired Loaders	1	8.00	203	0.36
Task 5d	Rubber Tired Loaders	1	8.00	203	0.36
Task 5e	Rubber Tired Loaders	1	8.00	203	0.36
Task 5f	Rubber Tired Loaders	1	8.00	203	0.36
Task 6	Other General Industrial Equipment	3	8.00	6	0.34
Task 10	Rubber Tired Loaders	1	8.00	203	0.36
Task 10	Excavators	1	8.00	158	0.38
Task 10	Other Material Handling Equipment	1	8.00	168	0.40
Task 5d	Concrete/Industrial Saws	0	8.00	81	0.73
Task 5e	Concrete/Industrial Saws	0	8.00	81	0.73
Task 10	Other General Industrial Equipment	4	8.00	88	0.34

Task 5d	Excavators	2	8.00	158	0.38
Task 5e	Excavators	2	8.00	158	0.38
Task 5b	Excavators	1	8.00	158	0.38
Task 5g	Excavators	1	8.00	158	0.38
Task 5b	Graders	0	8.00	187	0.41
Task 5g	Graders	0	8.00	187	0.41
Task 5c	Concrete/Industrial Saws	0	8.00	81	0.73
Task 5d	Rubber Tired Dozers	0	8.00	247	0.40
Task 5e	Rubber Tired Dozers	0	8.00	247	0.40
Task 5b	Rubber Tired Dozers	0	8.00	247	0.40
Task 5g	Rubber Tired Dozers	0	8.00	247	0.40
Task 5b	Rubber Tired Dozers	1	8.00	247	0.40
Task 6	Rubber Tired Dozers	0	0.00	88	0.34
Task 7	Rubber Tired Dozers	0	8.00	247	0.40
Task 8	Rubber Tired Dozers	0	8.00	247	0.40
Task 9	Rubber Tired Dozers	0	8.00	247	0.40
Task 10	Rubber Tired Dozers	1	8.00	247	0.40
Task 5f	Rubber Tired Dozers	0	8.00	247	0.40
Task 5b	Scrapers	0	8.00	367	0.48
Task 5g	Scrapers	0	8.00	367	0.48
Task 5g	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Task 4a Site Preparation	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Task 6	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Task 7	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Task 8	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Task 9	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Task 10	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Task 5f	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Task 4a Site Preparation	Other Material Handling Equipment	2	8.00	168	0.40
Task 4a Site Preparation	Other General Industrial Equipment	7	8.00	6	0.34

Task 5c	Rubber Tired Dozers	0	8.00	247	0.40
Task 4a Site Preparation	Rubber Tired Dozers	0	8.00	247	0.40
Task 5b	Tractors/Loaders/Backhoes	0	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
Task 4a Site Preparation	10	8.00	0.00	1.00	19.80	7.90	60.00	LD_Mix	HDT_Mix	HHDT
Task 4b	10	6.00	0.00	1.00	19.80	7.90	60.00	LD_Mix	HDT_Mix	HHDT
Task 5a	2	7.00	0.00	50.00	19.80	7.90	60.00	LD_Mix	HDT_Mix	HHDT
Task 5b	2	7.00	0.00	0.00	19.80	7.90	60.00	LD_Mix	HDT_Mix	HHDT
Task 5c	3	7.00	0.00	4.00	19.80	7.90	60.00	LD_Mix	HDT_Mix	HHDT
Task 5d	3	9.00	0.00	2.00	19.80	7.90	60.00	LD_Mix	HDT_Mix	HHDT
Task 5e	3	7.00	0.00	4.00	19.80	7.90	60.00	LD_Mix	HDT_Mix	HHDT
Task 5g	1	7.00	0.00	0.00	19.80	7.90	60.00	LD_Mix	HDT_Mix	HHDT
Task 6	3	3.00	0.00	2.00	19.80	7.90	60.00	LD_Mix	HDT_Mix	HHDT
Task 7	0	3.00	0.00	0.00	19.80	7.90	60.00	LD_Mix	HDT_Mix	HHDT
Task 8	0	2.00	2.00	0.00	19.80	7.90	60.00	LD_Mix	HDT_Mix	HHDT
Task 9	0	3.00	2.00	0.00	19.80	7.90	60.00	LD_Mix	HDT_Mix	HHDT
Task 10	8	2.00	0.00	0.00	19.80	7.90	60.00	LD_Mix	HDT_Mix	HHDT
Task 5f	1	7.00	0.00	0.00	19.80	7.90	60.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Water Exposed Area

3.2 Task 4a Site Preparation - 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	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	2.3200e-003	0.0203	0.0226	3.0000e-005		1.1600e-003	1.1600e-003		1.0700e-003	1.0700e-003	0.0000	2.8798	2.8798	9.1000e-004	0.0000	2.9026
Total	**2.3200e-003**	**0.0203**	**0.0226**	**3.0000e-005**	**0.0000**	**1.1600e-003**	**1.1600e-003**	**0.0000**	**1.0700e-003**	**1.0700e-003**	**0.0000**	**2.8798**	**2.8798**	**9.1000e-004**	**0.0000**	**2.9026**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	1.0000e-005	3.8000e-004	9.0000e-005	0.0000	3.0000e-005	0.0000	3.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.1069	0.1069	1.0000e-005	0.0000	0.1071
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.0000e-004	9.0000e-005	9.5000e-004	0.0000	2.4000e-004	0.0000	2.4000e-004	6.0000e-005	0.0000	6.0000e-005	0.0000	0.2258	0.2258	1.0000e-005	0.0000	0.2260
Total	**1.1000e-004**	**4.7000e-004**	**1.0400e-003**	**0.0000**	**2.7000e-004**	**0.0000**	**2.7000e-004**	**7.0000e-005**	**0.0000**	**7.0000e-005**	**0.0000**	**0.3327**	**0.3327**	**2.0000e-005**	**0.0000**	**0.3331**

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	8.9000e-004	3.9800e-003	0.0251	3.0000e-005		2.4000e-004	2.4000e-004		2.2000e-004	2.2000e-004	0.0000	2.8798	2.8798	9.1000e-004	0.0000	2.9026
Total	**8.9000e-004**	**3.9800e-003**	**0.0251**	**3.0000e-005**	**0.0000**	**2.4000e-004**	**2.4000e-004**	**0.0000**	**2.2000e-004**	**2.2000e-004**	**0.0000**	**2.8798**	**2.8798**	**9.1000e-004**	**0.0000**	**2.9026**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	1.0000e-005	3.8000e-004	9.0000e-005	0.0000	3.0000e-005	0.0000	3.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.1069	0.1069	1.0000e-005	0.0000	0.1071
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.0000e-004	9.0000e-005	9.5000e-004	0.0000	2.4000e-004	0.0000	2.4000e-004	6.0000e-005	0.0000	6.0000e-005	0.0000	0.2258	0.2258	1.0000e-005	0.0000	0.2260
Total	**1.1000e-004**	**4.7000e-004**	**1.0400e-003**	**0.0000**	**2.7000e-004**	**0.0000**	**2.7000e-004**	**7.0000e-005**	**0.0000**	**7.0000e-005**	**0.0000**	**0.3327**	**0.3327**	**2.0000e-005**	**0.0000**	**0.3331**

3.3 Task 4b - 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	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	3.4600e-003	0.0280	0.0308	4.0000e-005		1.7100e-003	1.7100e-003		1.5800e-003	1.5800e-003	0.0000	3.7538	3.7538	1.1900e-003	0.0000	3.7835
Total	**3.4600e-003**	**0.0280**	**0.0308**	**4.0000e-005**	**0.0000**	**1.7100e-003**	**1.7100e-003**	**0.0000**	**1.5800e-003**	**1.5800e-003**	**0.0000**	**3.7538**	**3.7538**	**1.1900e-003**	**0.0000**	**3.7835**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	1.0000e-005	3.8000e-004	9.0000e-005	0.0000	3.0000e-005	0.0000	3.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.1069	0.1069	1.0000e-005	0.0000	0.1071
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.5000e-004	1.3000e-004	1.4200e-003	0.0000	3.5000e-004	0.0000	3.6000e-004	9.0000e-005	0.0000	1.0000e-004	0.0000	0.3387	0.3387	1.0000e-005	0.0000	0.3390
Total	**1.6000e-004**	**5.1000e-004**	**1.5100e-003**	**0.0000**	**3.8000e-004**	**0.0000**	**3.9000e-004**	**1.0000e-004**	**0.0000**	**1.1000e-004**	**0.0000**	**0.4457**	**0.4457**	**2.0000e-005**	**0.0000**	**0.4461**

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	1.6400e-003	7.4300e-003	0.0334	4.0000e-005		4.9000e-004	4.9000e-004		4.5000e-004	4.5000e-004	0.0000	3.7538	3.7538	1.1900e-003	0.0000	3.7835
Total	**1.6400e-003**	**7.4300e-003**	**0.0334**	**4.0000e-005**	**0.0000**	**4.9000e-004**	**4.9000e-004**	**0.0000**	**4.5000e-004**	**4.5000e-004**	**0.0000**	**3.7538**	**3.7538**	**1.1900e-003**	**0.0000**	**3.7835**

Mitigated Construction Off-Site

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

Hauling	1.0000e-005	3.8000e-004	9.0000e-005	0.0000	3.0000e-005	0.0000	3.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.1069	0.1069	1.0000e-005	0.0000	0.1071
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.5000e-004	1.3000e-004	1.4200e-003	0.0000	3.5000e-004	0.0000	3.6000e-004	9.0000e-005	0.0000	1.0000e-004	0.0000	0.3387	0.3387	1.0000e-005	0.0000	0.3390
Total	**1.6000e-004**	**5.1000e-004**	**1.5100e-003**	**0.0000**	**3.8000e-004**	**0.0000**	**3.9000e-004**	**1.0000e-004**	**0.0000**	**1.1000e-004**	**0.0000**	**0.4457**	**0.4457**	**2.0000e-005**	**0.0000**	**0.4461**

3.4 Task 5a - 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	tons/yr										MT/yr					
Fugitive Dust					3.0000e-005	0.0000	3.0000e-005	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.6500e-003	0.0188	0.0124	3.0000e-005		7.3000e-004	7.3000e-004		6.7000e-004	6.7000e-004	0.0000	2.5626	2.5626	8.1000e-004	0.0000	2.5829
Total	**1.6500e-003**	**0.0188**	**0.0124**	**3.0000e-005**	**3.0000e-005**	**7.3000e-004**	**7.6000e-004**	**0.0000**	**6.7000e-004**	**6.7000e-004**	**0.0000**	**2.5626**	**2.5626**	**8.1000e-004**	**0.0000**	**2.5829**

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	6.1000e-004	0.0188	4.2900e-003	5.0000e-005	1.2900e-003	8.0000e-005	1.3700e-003	3.5000e-004	8.0000e-005	4.3000e-004	0.0000	5.3459	5.3459	3.3000e-004	0.0000	5.3541
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.1000e-004	1.0000e-004	1.0400e-003	0.0000	2.6000e-004	0.0000	2.6000e-004	7.0000e-005	0.0000	7.0000e-005	0.0000	0.2470	0.2470	1.0000e-005	0.0000	0.2472
Total	**7.2000e-004**	**0.0189**	**5.3300e-003**	**5.0000e-005**	**1.5500e-003**	**8.0000e-005**	**1.6300e-003**	**4.2000e-004**	**8.0000e-005**	**5.0000e-004**	**0.0000**	**5.5929**	**5.5929**	**3.4000e-004**	**0.0000**	**5.6013**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					1.0000e-005	0.0000	1.0000e-005	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	3.5000e-004	1.5300e-003	0.0169	3.0000e-005		5.0000e-005	5.0000e-005		5.0000e-005	5.0000e-005	0.0000	2.5626	2.5626	8.1000e-004	0.0000	2.5829
Total	**3.5000e-004**	**1.5300e-003**	**0.0169**	**3.0000e-005**	**1.0000e-005**	**5.0000e-005**	**6.0000e-005**	**0.0000**	**5.0000e-005**	**5.0000e-005**	**0.0000**	**2.5626**	**2.5626**	**8.1000e-004**	**0.0000**	**2.5829**

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	6.1000e-004	0.0188	4.2900e-003	5.0000e-005	1.2900e-003	8.0000e-005	1.3700e-003	3.5000e-004	8.0000e-005	4.3000e-004	0.0000	5.3459	5.3459	3.3000e-004	0.0000	5.3541
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.1000e-004	1.0000e-004	1.0400e-003	0.0000	2.6000e-004	0.0000	2.6000e-004	7.0000e-005	0.0000	7.0000e-005	0.0000	0.2470	0.2470	1.0000e-005	0.0000	0.2472
Total	**7.2000e-004**	**0.0189**	**5.3300e-003**	**5.0000e-005**	**1.5500e-003**	**8.0000e-005**	**1.6300e-003**	**4.2000e-004**	**8.0000e-005**	**5.0000e-004**	**0.0000**	**5.5929**	**5.5929**	**3.4000e-004**	**0.0000**	**5.6013**

3.5 Task 5b - 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	tons/yr										MT/yr					
Fugitive Dust					0.0120	0.0000	0.0120	6.6200e-003	0.0000	6.6200e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.7900e-003	0.0295	0.0151	3.0000e-005		1.4400e-003	1.4400e-003		1.3200e-003	1.3200e-003	0.0000	2.4613	2.4613	7.8000e-004	0.0000	2.4808
Total	**2.7900e-003**	**0.0295**	**0.0151**	**3.0000e-005**	**0.0120**	**1.4400e-003**	**0.0135**	**6.6200e-003**	**1.3200e-003**	**7.9400e-003**	**0.0000**	**2.4613**	**2.4613**	**7.8000e-004**	**0.0000**	**2.4808**

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	9.0000e-005	8.0000e-005	8.3000e-004	0.0000	2.1000e-004	0.0000	2.1000e-004	5.0000e-005	0.0000	6.0000e-005	0.0000	0.1976	0.1976	1.0000e-005	0.0000	0.1978
Total	**9.0000e-005**	**8.0000e-005**	**8.3000e-004**	**0.0000**	**2.1000e-004**	**0.0000**	**2.1000e-004**	**5.0000e-005**	**0.0000**	**6.0000e-005**	**0.0000**	**0.1976**	**0.1976**	**1.0000e-005**	**0.0000**	**0.1978**

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					4.7000e-003	0.0000	4.7000e-003	2.5800e-003	0.0000	2.5800e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Off-Road	3.4000e-004	1.4600e-003	0.0155	3.0000e-005		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005	0.0000	2.4613	2.4613	7.8000e-004	0.0000	2.4808
Total	**3.4000e-004**	**1.4600e-003**	**0.0155**	**3.0000e-005**	**4.7000e-003**	**4.0000e-005**	**4.7400e-003**	**2.5800e-003**	**4.0000e-005**	**2.6200e-003**	**0.0000**	**2.4613**	**2.4613**	**7.8000e-004**	**0.0000**	**2.4808**

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	9.0000e-005	8.0000e-005	8.3000e-004	0.0000	2.1000e-004	0.0000	2.1000e-004	5.0000e-005	0.0000	6.0000e-005	0.0000	0.1976	0.1976	1.0000e-005	0.0000	0.1978
Total	**9.0000e-005**	**8.0000e-005**	**8.3000e-004**	**0.0000**	**2.1000e-004**	**0.0000**	**2.1000e-004**	**5.0000e-005**	**0.0000**	**6.0000e-005**	**0.0000**	**0.1976**	**0.1976**	**1.0000e-005**	**0.0000**	**0.1978**

3.6 Task 5c - 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	tons/yr										MT/yr					
Fugitive Dust					5.3000e-004	0.0000	5.3000e-004	8.0000e-005	0.0000	8.0000e-005	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.3000e-003	0.0255	0.0205	4.0000e-005		1.0500e-003	1.0500e-003		9.7000e-004	9.7000e-004	0.0000	3.7219	3.7219	1.1800e-003	0.0000	3.7513
Total	**2.3000e-003**	**0.0255**	**0.0205**	**4.0000e-005**	**5.3000e-004**	**1.0500e-003**	**1.5800e-003**	**8.0000e-005**	**9.7000e-004**	**1.0500e-003**	**0.0000**	**3.7219**	**3.7219**	**1.1800e-003**	**0.0000**	**3.7513**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	5.0000e-005	1.5100e-003	3.4000e-004	0.0000	1.0000e-004	1.0000e-005	1.1000e-004	3.0000e-005	1.0000e-005	3.0000e-005	0.0000	0.4277	0.4277	3.0000e-005	0.0000	0.4283
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.1000e-004	1.0000e-004	1.0400e-003	0.0000	2.6000e-004	0.0000	2.6000e-004	7.0000e-005	0.0000	7.0000e-005	0.0000	0.2470	0.2470	1.0000e-005	0.0000	0.2472
Total	**1.6000e-004**	**1.6100e-003**	**1.3800e-003**	**0.0000**	**3.6000e-004**	**1.0000e-005**	**3.7000e-004**	**1.0000e-004**	**1.0000e-005**	**1.0000e-004**	**0.0000**	**0.6747**	**0.6747**	**4.0000e-005**	**0.0000**	**0.6755**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					2.1000e-004	0.0000	2.1000e-004	3.0000e-005	0.0000	3.0000e-005	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	5.1000e-004	2.2100e-003	0.0267	4.0000e-005		7.0000e-005	7.0000e-005		7.0000e-005	7.0000e-005	0.0000	3.7219	3.7219	1.1800e-003	0.0000	3.7513
Total	**5.1000e-004**	**2.2100e-003**	**0.0267**	**4.0000e-005**	**2.1000e-004**	**7.0000e-005**	**2.8000e-004**	**3.0000e-005**	**7.0000e-005**	**1.0000e-004**	**0.0000**	**3.7219**	**3.7219**	**1.1800e-003**	**0.0000**	**3.7513**

Mitigated Construction Off-Site

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

Hauling	5.0000e-005	1.5100e-003	3.4000e-004	0.0000	1.0000e-004	1.0000e-005	1.1000e-004	3.0000e-005	1.0000e-005	3.0000e-005	0.0000	0.4277	0.4277	3.0000e-005	0.0000	0.4283
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.1000e-004	1.0000e-004	1.0400e-003	0.0000	2.6000e-004	0.0000	2.6000e-004	7.0000e-005	0.0000	7.0000e-005	0.0000	0.2470	0.2470	1.0000e-005	0.0000	0.2472
Total	**1.6000e-004**	**1.6100e-003**	**1.3800e-003**	**0.0000**	**3.6000e-004**	**1.0000e-005**	**3.7000e-004**	**1.0000e-004**	**1.0000e-005**	**1.0000e-004**	**0.0000**	**0.6747**	**0.6747**	**4.0000e-005**	**0.0000**	**0.6755**

3.7 Task 5d - 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	tons/yr										MT/yr					
Fugitive Dust					2.1000e-004	0.0000	2.1000e-004	3.0000e-005	0.0000	3.0000e-005	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	9.2000e-004	0.0102	8.2100e-003	2.0000e-005		4.2000e-004	4.2000e-004		3.9000e-004	3.9000e-004	0.0000	1.4887	1.4887	4.7000e-004	0.0000	1.5005
Total	**9.2000e-004**	**0.0102**	**8.2100e-003**	**2.0000e-005**	**2.1000e-004**	**4.2000e-004**	**6.3000e-004**	**3.0000e-005**	**3.9000e-004**	**4.2000e-004**	**0.0000**	**1.4887**	**1.4887**	**4.7000e-004**	**0.0000**	**1.5005**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	2.0000e-005	7.5000e-004	1.7000e-004	0.0000	5.0000e-005	0.0000	5.0000e-005	1.0000e-005	0.0000	2.0000e-005	0.0000	0.2138	0.2138	1.0000e-005	0.0000	0.2142
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	6.0000e-005	5.0000e-005	5.3000e-004	0.0000	1.3000e-004	0.0000	1.3000e-004	4.0000e-005	0.0000	4.0000e-005	0.0000	0.1270	0.1270	0.0000	0.0000	0.1271
Total	**8.0000e-005**	**8.0000e-004**	**7.0000e-004**	**0.0000**	**1.8000e-004**	**0.0000**	**1.8000e-004**	**5.0000e-005**	**0.0000**	**6.0000e-005**	**0.0000**	**0.3409**	**0.3409**	**1.0000e-005**	**0.0000**	**0.3413**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					8.0000e-005	0.0000	8.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.0000e-004	8.9000e-004	0.0107	2.0000e-005		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005	0.0000	1.4887	1.4887	4.7000e-004	0.0000	1.5005
Total	**2.0000e-004**	**8.9000e-004**	**0.0107**	**2.0000e-005**	**8.0000e-005**	**3.0000e-005**	**1.1000e-004**	**1.0000e-005**	**3.0000e-005**	**4.0000e-005**	**0.0000**	**1.4887**	**1.4887**	**4.7000e-004**	**0.0000**	**1.5005**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	2.0000e-005	7.5000e-004	1.7000e-004	0.0000	5.0000e-005	0.0000	5.0000e-005	1.0000e-005	0.0000	2.0000e-005	0.0000	0.2138	0.2138	1.0000e-005	0.0000	0.2142
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	6.0000e-005	5.0000e-005	5.3000e-004	0.0000	1.3000e-004	0.0000	1.3000e-004	4.0000e-005	0.0000	4.0000e-005	0.0000	0.1270	0.1270	0.0000	0.0000	0.1271
Total	**8.0000e-005**	**8.0000e-004**	**7.0000e-004**	**0.0000**	**1.8000e-004**	**0.0000**	**1.8000e-004**	**5.0000e-005**	**0.0000**	**6.0000e-005**	**0.0000**	**0.3409**	**0.3409**	**1.0000e-005**	**0.0000**	**0.3413**

3.8 Task 5e - 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	tons/yr										MT/yr					
Fugitive Dust					5.3000e-004	0.0000	5.3000e-004	8.0000e-005	0.0000	8.0000e-005	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	9.2000e-003	0.1019	0.0821	1.7000e-004		4.2000e-003	4.2000e-003		3.8700e-003	3.8700e-003	0.0000	14.8874	14.8874	4.7100e-003	0.0000	15.0052
Total	**9.2000e-003**	**0.1019**	**0.0821**	**1.7000e-004**	**5.3000e-004**	**4.2000e-003**	**4.7300e-003**	**8.0000e-005**	**3.8700e-003**	**3.9500e-003**	**0.0000**	**14.8874**	**14.8874**	**4.7100e-003**	**0.0000**	**15.0052**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	5.0000e-005	1.5100e-003	3.4000e-004	0.0000	1.0000e-004	1.0000e-005	1.1000e-004	3.0000e-005	1.0000e-005	3.0000e-005	0.0000	0.4277	0.4277	3.0000e-005	0.0000	0.4283
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.5000e-004	3.8000e-004	4.1500e-003	1.0000e-005	1.0300e-003	1.0000e-005	1.0400e-003	2.7000e-004	1.0000e-005	2.8000e-004	0.0000	0.9880	0.9880	3.0000e-005	0.0000	0.9888
Total	**5.0000e-004**	**1.8900e-003**	**4.4900e-003**	**1.0000e-005**	**1.1300e-003**	**2.0000e-005**	**1.1500e-003**	**3.0000e-004**	**2.0000e-005**	**3.1000e-004**	**0.0000**	**1.4157**	**1.4157**	**6.0000e-005**	**0.0000**	**1.4171**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					2.1000e-004	0.0000	2.1000e-004	3.0000e-005	0.0000	3.0000e-005	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Off-Road	2.0400e-003	8.8600e-003	0.1067	1.7000e-004		2.7000e-004	2.7000e-004		2.7000e-004	2.7000e-004	0.0000	14.8874	14.8874	4.7100e-003	0.0000	15.0052
Total	**2.0400e-003**	**8.8600e-003**	**0.1067**	**1.7000e-004**	**2.1000e-004**	**2.7000e-004**	**4.8000e-004**	**3.0000e-005**	**2.7000e-004**	**3.0000e-004**	**0.0000**	**14.8874**	**14.8874**	**4.7100e-003**	**0.0000**	**15.0052**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	5.0000e-005	1.5100e-003	3.4000e-004	0.0000	1.0000e-004	1.0000e-005	1.1000e-004	3.0000e-005	1.0000e-005	3.0000e-005	0.0000	0.4277	0.4277	3.0000e-005	0.0000	0.4283
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.5000e-004	3.8000e-004	4.1500e-003	1.0000e-005	1.0300e-003	1.0000e-005	1.0400e-003	2.7000e-004	1.0000e-005	2.8000e-004	0.0000	0.9880	0.9880	3.0000e-005	0.0000	0.9888
Total	**5.0000e-004**	**1.8900e-003**	**4.4900e-003**	**1.0000e-005**	**1.1300e-003**	**2.0000e-005**	**1.1500e-003**	**3.0000e-004**	**2.0000e-005**	**3.1000e-004**	**0.0000**	**1.4157**	**1.4157**	**6.0000e-005**	**0.0000**	**1.4171**

3.9 Task 5f - 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	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	1.0000e-003	0.0121	4.2000e-003	2.0000e-005		4.0000e-004	4.0000e-004		3.7000e-004	3.7000e-004	0.0000	1.4034	1.4034	4.4000e-004	0.0000	1.4145
Total	**1.0000e-003**	**0.0121**	**4.2000e-003**	**2.0000e-005**	**0.0000**	**4.0000e-004**	**4.0000e-004**	**0.0000**	**3.7000e-004**	**3.7000e-004**	**0.0000**	**1.4034**	**1.4034**	**4.4000e-004**	**0.0000**	**1.4145**

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	1.1000e-004	1.0000e-004	1.0400e-003	0.0000	2.6000e-004	0.0000	2.6000e-004	7.0000e-005	0.0000	7.0000e-005	0.0000	0.2470	0.2470	1.0000e-005	0.0000	0.2472
Total	**1.1000e-004**	**1.0000e-004**	**1.0400e-003**	**0.0000**	**2.6000e-004**	**0.0000**	**2.6000e-004**	**7.0000e-005**	**0.0000**	**7.0000e-005**	**0.0000**	**0.2470**	**0.2470**	**1.0000e-005**	**0.0000**	**0.2472**

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	1.9000e-004	8.4000e-004	7.0900e-003	2.0000e-005		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005	0.0000	1.4034	1.4034	4.4000e-004	0.0000	1.4145
Total	**1.9000e-004**	**8.4000e-004**	**7.0900e-003**	**2.0000e-005**	**0.0000**	**3.0000e-005**	**3.0000e-005**	**0.0000**	**3.0000e-005**	**3.0000e-005**	**0.0000**	**1.4034**	**1.4034**	**4.4000e-004**	**0.0000**	**1.4145**

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	1.1000e-004	1.0000e-004	1.0400e-003	0.0000	2.6000e-004	0.0000	2.6000e-004	7.0000e-005	0.0000	7.0000e-005	0.0000	0.2470	0.2470	1.0000e-005	0.0000	0.2472
Total	**1.1000e-004**	**1.0000e-004**	**1.0400e-003**	**0.0000**	**2.6000e-004**	**0.0000**	**2.6000e-004**	**7.0000e-005**	**0.0000**	**7.0000e-005**	**0.0000**	**0.2470**	**0.2470**	**1.0000e-005**	**0.0000**	**0.2472**

3.10 Task 5g - 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	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	5.2000e-004	5.3600e-003	6.5300e-003	1.0000e-005		2.6000e-004	2.6000e-004		2.4000e-004	2.4000e-004	0.0000	0.9274	0.9274	2.9000e-004	0.0000	0.9347
Total	**5.2000e-004**	**5.3600e-003**	**6.5300e-003**	**1.0000e-005**	**0.0000**	**2.6000e-004**	**2.6000e-004**	**0.0000**	**2.4000e-004**	**2.4000e-004**	**0.0000**	**0.9274**	**0.9274**	**2.9000e-004**	**0.0000**	**0.9347**

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	9.0000e-005	8.0000e-005	8.3000e-004	0.0000	2.1000e-004	0.0000	2.1000e-004	5.0000e-005	0.0000	6.0000e-005	0.0000	0.1976	0.1976	1.0000e-005	0.0000	0.1978
Total	**9.0000e-005**	**8.0000e-005**	**8.3000e-004**	**0.0000**	**2.1000e-004**	**0.0000**	**2.1000e-004**	**5.0000e-005**	**0.0000**	**6.0000e-005**	**0.0000**	**0.1976**	**0.1976**	**1.0000e-005**	**0.0000**	**0.1978**

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	1.3000e-004	5.5000e-004	7.8400e-003	1.0000e-005		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005	0.0000	0.9274	0.9274	2.9000e-004	0.0000	0.9347
Total	**1.3000e-004**	**5.5000e-004**	**7.8400e-003**	**1.0000e-005**	**0.0000**	**2.0000e-005**	**2.0000e-005**	**0.0000**	**2.0000e-005**	**2.0000e-005**	**0.0000**	**0.9274**	**0.9274**	**2.9000e-004**	**0.0000**	**0.9347**

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	9.0000e-005	8.0000e-005	8.3000e-004	0.0000	2.1000e-004	0.0000	2.1000e-004	5.0000e-005	0.0000	6.0000e-005	0.0000	0.1976	0.1976	1.0000e-005	0.0000	0.1978
Total	**9.0000e-005**	**8.0000e-005**	**8.3000e-004**	**0.0000**	**2.1000e-004**	**0.0000**	**2.1000e-004**	**5.0000e-005**	**0.0000**	**6.0000e-005**	**0.0000**	**0.1976**	**0.1976**	**1.0000e-005**	**0.0000**	**0.1978**

3.11 Task 6 - 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	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	1.6900e-003	7.7800e-003	9.1700e-003	1.0000e-005		6.1000e-004	6.1000e-004		5.6000e-004	5.6000e-004	0.0000	0.7900	0.7900	2.5000e-004	0.0000	0.7963
Total	**1.6900e-003**	**7.7800e-003**	**9.1700e-003**	**1.0000e-005**	**0.0000**	**6.1000e-004**	**6.1000e-004**	**0.0000**	**5.6000e-004**	**5.6000e-004**	**0.0000**	**0.7900**	**0.7900**	**2.5000e-004**	**0.0000**	**0.7963**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	1.0000e-005	3.3000e-004	8.0000e-005	0.0000	4.0000e-005	0.0000	5.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0943	0.0943	1.0000e-005	0.0000	0.0945
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.9000e-004	2.5000e-004	2.6700e-003	1.0000e-005	6.6000e-004	1.0000e-005	6.7000e-004	1.8000e-004	1.0000e-005	1.8000e-004	0.0000	0.6351	0.6351	2.0000e-005	0.0000	0.6357
Total	**3.0000e-004**	**5.8000e-004**	**2.7500e-003**	**1.0000e-005**	**7.0000e-004**	**1.0000e-005**	**7.2000e-004**	**1.9000e-004**	**1.0000e-005**	**1.9000e-004**	**0.0000**	**0.7295**	**0.7295**	**3.0000e-005**	**0.0000**	**0.7302**

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	1.6900e-003	7.7800e-003	9.1700e-003	1.0000e-005		6.1000e-004	6.1000e-004		5.6000e-004	5.6000e-004	0.0000	0.7900	0.7900	2.5000e-004	0.0000	0.7963
Total	**1.6900e-003**	**7.7800e-003**	**9.1700e-003**	**1.0000e-005**	**0.0000**	**6.1000e-004**	**6.1000e-004**	**0.0000**	**5.6000e-004**	**5.6000e-004**	**0.0000**	**0.7900**	**0.7900**	**2.5000e-004**	**0.0000**	**0.7963**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	1.0000e-005	3.3000e-004	8.0000e-005	0.0000	4.0000e-005	0.0000	5.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0943	0.0943	1.0000e-005	0.0000	0.0945
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.9000e-004	2.5000e-004	2.6700e-003	1.0000e-005	6.6000e-004	1.0000e-005	6.7000e-004	1.8000e-004	1.0000e-005	1.8000e-004	0.0000	0.6351	0.6351	2.0000e-005	0.0000	0.6357
Total	**3.0000e-004**	**5.8000e-004**	**2.7500e-003**	**1.0000e-005**	**7.0000e-004**	**1.0000e-005**	**7.2000e-004**	**1.9000e-004**	**1.0000e-005**	**1.9000e-004**	**0.0000**	**0.7295**	**0.7295**	**3.0000e-005**	**0.0000**	**0.7302**

3.11 Task 6 - 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	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	1.9400e-003	9.4800e-003	0.0113	1.0000e-005		6.8000e-004	6.8000e-004		6.3000e-004	6.3000e-004	0.0000	0.9789	0.9789	3.2000e-004	0.0000	0.9869
Total	**1.9400e-003**	**9.4800e-003**	**0.0113**	**1.0000e-005**	**0.0000**	**6.8000e-004**	**6.8000e-004**	**0.0000**	**6.3000e-004**	**6.3000e-004**	**0.0000**	**0.9789**	**0.9789**	**3.2000e-004**	**0.0000**	**0.9869**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	1.0000e-005	3.9000e-004	9.0000e-005	0.0000	5.0000e-005	0.0000	5.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.1182	0.1182	1.0000e-005	0.0000	0.1183
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.3000e-004	2.8000e-004	3.0700e-003	1.0000e-005	8.4000e-004	1.0000e-005	8.5000e-004	2.2000e-004	1.0000e-005	2.3000e-004	0.0000	0.7800	0.7800	2.0000e-005	0.0000	0.7807
Total	**3.4000e-004**	**6.7000e-004**	**3.1600e-003**	**1.0000e-005**	**8.9000e-004**	**1.0000e-005**	**9.0000e-004**	**2.3000e-004**	**1.0000e-005**	**2.4000e-004**	**0.0000**	**0.8982**	**0.8982**	**3.0000e-005**	**0.0000**	**0.8990**

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	1.9400e-003	9.4800e-003	0.0113	1.0000e-005		6.8000e-004	6.8000e-004		6.3000e-004	6.3000e-004	0.0000	0.9789	0.9789	3.2000e-004	0.0000	0.9869
Total	**1.9400e-003**	**9.4800e-003**	**0.0113**	**1.0000e-005**	**0.0000**	**6.8000e-004**	**6.8000e-004**	**0.0000**	**6.3000e-004**	**6.3000e-004**	**0.0000**	**0.9789**	**0.9789**	**3.2000e-004**	**0.0000**	**0.9869**

Mitigated Construction Off-Site

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

Hauling	1.0000e-005	3.9000e-004	9.0000e-005	0.0000	5.0000e-005	0.0000	5.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.1182	0.1182	1.0000e-005	0.0000	0.1183
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.3000e-004	2.8000e-004	3.0700e-003	1.0000e-005	8.4000e-004	1.0000e-005	8.5000e-004	2.2000e-004	1.0000e-005	2.3000e-004	0.0000	0.7800	0.7800	2.0000e-005	0.0000	0.7807
Total	**3.4000e-004**	**6.7000e-004**	**3.1600e-003**	**1.0000e-005**	**8.9000e-004**	**1.0000e-005**	**9.0000e-004**	**2.3000e-004**	**1.0000e-005**	**2.4000e-004**	**0.0000**	**0.8982**	**0.8982**	**3.0000e-005**	**0.0000**	**0.8990**

3.12 Task 7 - 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	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	0.0000	0.0000	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**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.0000e-005	2.0000e-005	2.4000e-004	0.0000	7.0000e-005	0.0000	7.0000e-005	2.0000e-005	0.0000	2.0000e-005	0.0000	0.0616	0.0616	0.0000	0.0000	0.0616
Total	**3.0000e-005**	**2.0000e-005**	**2.4000e-004**	**0.0000**	**7.0000e-005**	**0.0000**	**7.0000e-005**	**2.0000e-005**	**0.0000**	**2.0000e-005**	**0.0000**	**0.0616**	**0.0616**	**0.0000**	**0.0000**	**0.0616**

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	0.0000	0.0000	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**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.0000e-005	2.0000e-005	2.4000e-004	0.0000	7.0000e-005	0.0000	7.0000e-005	2.0000e-005	0.0000	2.0000e-005	0.0000	0.0616	0.0616	0.0000	0.0000	0.0616
Total	**3.0000e-005**	**2.0000e-005**	**2.4000e-004**	**0.0000**	**7.0000e-005**	**0.0000**	**7.0000e-005**	**2.0000e-005**	**0.0000**	**2.0000e-005**	**0.0000**	**0.0616**	**0.0616**	**0.0000**	**0.0000**	**0.0616**

3.13 Task 8 - 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	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	0.0000	0.0000	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**

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	1.2000e-004	3.0000e-005	0.0000	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0000	0.0000	0.0000	0.0277	0.0277	0.0000	0.0000	0.0277
Worker	1.0000e-005	0.0000	5.0000e-005	0.0000	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0000	0.0000	0.0000	0.0137	0.0137	0.0000	0.0000	0.0137
Total	**1.0000e-005**	**1.2000e-004**	**8.0000e-005**	**0.0000**	**2.0000e-005**	**0.0000**	**2.0000e-005**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0414**	**0.0414**	**0.0000**	**0.0000**	**0.0414**

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	0.0000	0.0000	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**

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	1.2000e-004	3.0000e-005	0.0000	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0000	0.0000	0.0000	0.0277	0.0277	0.0000	0.0000	0.0277
Worker	1.0000e-005	0.0000	5.0000e-005	0.0000	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0000	0.0000	0.0000	0.0137	0.0137	0.0000	0.0000	0.0137
Total	**1.0000e-005**	**1.2000e-004**	**8.0000e-005**	**0.0000**	**2.0000e-005**	**0.0000**	**2.0000e-005**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0414**	**0.0414**	**0.0000**	**0.0000**	**0.0414**

3.14 Task 9 - 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	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	0.0000	0.0000	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**

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	2.7000e-004	7.8500e-003	2.1300e-003	2.0000e-005	4.9000e-004	4.0000e-005	5.3000e-004	1.4000e-004	4.0000e-005	1.8000e-004	0.0000	1.8823	1.8823	1.1000e-004	0.0000	1.8851
Worker	6.0000e-004	5.0000e-004	5.4900e-003	2.0000e-005	1.5100e-003	1.0000e-005	1.5200e-003	4.0000e-004	1.0000e-005	4.1000e-004	0.0000	1.3959	1.3959	4.0000e-005	0.0000	1.3970
Total	**8.7000e-004**	**8.3500e-003**	**7.6200e-003**	**4.0000e-005**	**2.0000e-003**	**5.0000e-005**	**2.0500e-003**	**5.4000e-004**	**5.0000e-005**	**5.9000e-004**	**0.0000**	**3.2781**	**3.2781**	**1.5000e-004**	**0.0000**	**3.2821**

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	0.0000	0.0000	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**

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	2.7000e-004	7.8500e-003	2.1300e-003	2.0000e-005	4.9000e-004	4.0000e-005	5.3000e-004	1.4000e-004	4.0000e-005	1.8000e-004	0.0000	1.8823	1.8823	1.1000e-004	0.0000	1.8851
Worker	6.0000e-004	5.0000e-004	5.4900e-003	2.0000e-005	1.5100e-003	1.0000e-005	1.5200e-003	4.0000e-004	1.0000e-005	4.1000e-004	0.0000	1.3959	1.3959	4.0000e-005	0.0000	1.3970
Total	**8.7000e-004**	**8.3500e-003**	**7.6200e-003**	**4.0000e-005**	**2.0000e-003**	**5.0000e-005**	**2.0500e-003**	**5.4000e-004**	**5.0000e-005**	**5.9000e-004**	**0.0000**	**3.2781**	**3.2781**	**1.5000e-004**	**0.0000**	**3.2821**

3.15 Task 10 - 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	tons/yr										MT/yr					
Fugitive Dust					0.0120	0.0000	0.0120	6.6200e-003	0.0000	6.6200e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	5.8800e-003	0.0591	0.0415	7.0000e-005		3.1700e-003	3.1700e-003		2.9100e-003	2.9100e-003	0.0000	6.3219	6.3219	2.0400e-003	0.0000	6.3731
Total	**5.8800e-003**	**0.0591**	**0.0415**	**7.0000e-005**	**0.0120**	**3.1700e-003**	**0.0152**	**6.6200e-003**	**2.9100e-003**	**9.5300e-003**	**0.0000**	**6.3219**	**6.3219**	**2.0400e-003**	**0.0000**	**6.3731**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.0000e-005	2.0000e-005	2.2000e-004	0.0000	6.0000e-005	0.0000	6.0000e-005	2.0000e-005	0.0000	2.0000e-005	0.0000	0.0547	0.0547	0.0000	0.0000	0.0548
Total	**2.0000e-005**	**2.0000e-005**	**2.2000e-004**	**0.0000**	**6.0000e-005**	**0.0000**	**6.0000e-005**	**2.0000e-005**	**0.0000**	**2.0000e-005**	**0.0000**	**0.0547**	**0.0547**	**0.0000**	**0.0000**	**0.0548**

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					4.7000e-003	0.0000	4.7000e-003	2.5800e-003	0.0000	2.5800e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.5200e-003	0.0199	0.0459	7.0000e-005		1.3300e-003	1.3300e-003		1.2300e-003	1.2300e-003	0.0000	6.3219	6.3219	2.0400e-003	0.0000	6.3730
Total	**2.5200e-003**	**0.0199**	**0.0459**	**7.0000e-005**	**4.7000e-003**	**1.3300e-003**	**6.0300e-003**	**2.5800e-003**	**1.2300e-003**	**3.8100e-003**	**0.0000**	**6.3219**	**6.3219**	**2.0400e-003**	**0.0000**	**6.3730**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.0000e-005	2.0000e-005	2.2000e-004	0.0000	6.0000e-005	0.0000	6.0000e-005	2.0000e-005	0.0000	2.0000e-005	0.0000	0.0547	0.0547	0.0000	0.0000	0.0548
Total	**2.0000e-005**	**2.0000e-005**	**2.2000e-004**	**0.0000**	**6.0000e-005**	**0.0000**	**6.0000e-005**	**2.0000e-005**	**0.0000**	**2.0000e-005**	**0.0000**	**0.0547**	**0.0547**	**0.0000**	**0.0000**	**0.0548**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

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

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
User Defined Industrial	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 Industrial	18.50	10.10	7.90	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
User Defined Industrial	0.547726	0.045437	0.201480	0.122768	0.016614	0.006090	0.019326	0.029174	0.002438	0.002359	0.005005	0.000677	0.000907

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

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

5.2 Energy by Land Use - NaturalGas

Unmitigated

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

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e

Land Use	kBTU/yr	tons/yr										MT/yr					
User Defined Industrial	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total		**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
User Defined Industrial	0	0.0000	0.0000	0.0000	0.0000
Total		**0.0000**	**0.0000**	**0.0000**	**0.0000**

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
User Defined Industrial	0	0.0000	0.0000	0.0000	0.0000
Total		**0.0000**	**0.0000**	**0.0000**	**0.0000**

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.0000	0.0000	1.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.0000e-005	2.0000e-005	0.0000	0.0000	3.0000e-005
Unmitigated	0.0000	0.0000	1.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.0000e-005	2.0000e-005	0.0000	0.0000	3.0000e-005

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.0000	0.0000	1.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.0000e-005	2.0000e-005	0.0000	0.0000	3.0000e-005
Total	**0.0000**	**0.0000**	**1.0000e-005**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**2.0000e-005**	**2.0000e-005**	**0.0000**	**0.0000**	**3.0000e-005**

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.0000	0.0000	1.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.0000e-005	2.0000e-005	0.0000	0.0000	3.0000e-005
Total	**0.0000**	**0.0000**	**1.0000e-005**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**2.0000e-005**	**2.0000e-005**	**0.0000**	**0.0000**	**3.0000e-005**

7.0 Water Detail

7.1 Mitigation Measures Water

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

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
User Defined Industrial	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		**0.0000**	**0.0000**	**0.0000**	**0.0000**

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
User Defined Industrial	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		**0.0000**	**0.0000**	**0.0000**	**0.0000**

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			

Mitigated	0.0000	0.0000	0.0000	0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
User Defined Industrial	0	0.0000	0.0000	0.0000	0.0000
Total		**0.0000**	**0.0000**	**0.0000**	**0.0000**

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
User Defined Industrial	0	0.0000	0.0000	0.0000	0.0000
Total		**0.0000**	**0.0000**	**0.0000**	**0.0000**

9.0 Operational Offroad

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

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