Appendix A

CalEEMod Output

CalEEMod Version: CalEEMod.2016.3.2

Date: 1/19/2021 10:02 AM

70-74 Liberty Way Project
Marin County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Light Industry	50.30	1000sqft	1.15	50,300.00	0
Other Non-Asphalt Surfaces	0.52	Acre	0.52	22,589.00	0
Parking Lot	108.00	Space	1.12	48,979.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	69
Climate Zone	5			**Operational Year**	2024
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity (lb/MWhr)	206	**CH4 Intensity (lb/MWhr)**	0.009	**N2O Intensity (lb/MWhr)**	0.002

1.3 User Entered Comments & Non-Default Data

Project Characteristics - 70-74 Liberty Way Project. Adjusted intensity factors based on PG&E 2020 Corporate Sustainability Report.
Land Use - Three buildings totaling 50,300 sf, 22,589 sf of landscaping, and 108 parking spaces (48,979 sf).
Construction Phase - Construction would begin March 2020 and would occur over 42 months.
Off-road Equipment - Default equipment.
Off-road Equipment - Default equipment.
Off-road Equipment - Assume no equipment.
Off-road Equipment - Default equipment.

Off-road Equipment - Added bore/drill rig for pile driving.

Off-road Equipment - Added trencher and excavator for utility work.

Off-road Equipment - Default equipment.

Off-road Equipment - Default equipment.

Off-road Equipment - Assume no equipment.

Off-road Equipment - Default equipment.

Off-road Equipment - Added bore/drill rig for pile driving.

Off-road Equipment - Added trencher and excavator for utility work.

Off-road Equipment - Default equipment.

Off-road Equipment - Default equipment.

Off-road Equipment - Default equipment.

Trips and VMT - Rounded trips. Updated haul trips to account for offsite haul of debris and trip distance (8.8 miles).

Grading - 1,950 cy of soil export divided between both Pile Driving/Grading phases.

Architectural Coating - Exterior Painted metal will meet VOC 250 g/L (Industrial Maintenance coatins & Rust preventative coatings)

Vehicle Trips - Updated trip rate per Traffic Analysis.

Construction Off-road Equipment Mitigation - Water exposed area twice daily.

Energy Mitigation - Comply with 2019 Title 24 Standards.

Water Mitigation - 20% reduction in water consumption consistent with CalGreen.

Waste Mitigation - Assume 50% waste diverted consistent with AB 939.

Energy Use - Default energy use inputs

Water And Wastewater - Default water and wasterwater inputs

Solid Waste - Default solid waste inputs

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	150.00	250.00
tblArchitecturalCoating	EF_Nonresidential_Exterior	150.00	250.00
tblArchitecturalCoating	EF_Parking	150.00	250.00
tblArchitecturalCoating	EF_Parking	150.00	250.00
tblConstructionPhase	NumDays	10.00	43.00
tblConstructionPhase	NumDays	10.00	44.00
tblConstructionPhase	NumDays	220.00	261.00

tblConstructionPhase	NumDays	220.00	108.00
tblConstructionPhase	NumDays	220.00	240.00
tblConstructionPhase	NumDays	220.00	109.00
tblConstructionPhase	NumDays	6.00	110.00
tblConstructionPhase	NumDays	6.00	22.00
tblConstructionPhase	NumDays	6.00	110.00
tblConstructionPhase	NumDays	6.00	44.00
tblConstructionPhase	NumDays	10.00	43.00
tblConstructionPhase	NumDays	10.00	44.00
tblConstructionPhase	NumDays	3.00	22.00
tblGrading	AcresOfGrading	33.00	11.00
tblGrading	MaterialExported	0.00	975.00
tblGrading	MaterialExported	0.00	975.00
tblLandUse	LandUseSquareFeet	22,651.20	22,589.00
tblLandUse	LandUseSquareFeet	43,200.00	48,979.00
tblLandUse	LotAcreage	0.97	1.12
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblProjectCharacteristics	CH4IntensityFactor	0.029	0.009
tblProjectCharacteristics	CO2IntensityFactor	641.35	206
tblProjectCharacteristics	N2OIntensityFactor	0.006	0.002
tblTripsAndVMT	HaulingTripLength	20.00	8.80
tblTripsAndVMT	HaulingTripLength	20.00	8.80
tblTripsAndVMT	HaulingTripLength	20.00	8.80
tblTripsAndVMT	HaulingTripLength	20.00	8.80
tblTripsAndVMT	HaulingTripNumber	0.00	140.00
tblTripsAndVMT	HaulingTripNumber	0.00	140.00
tblTripsAndVMT	VendorTripNumber	20.00	0.00
tblTripsAndVMT	VendorTripNumber	20.00	0.00

tblTripsAndVMT	WorkerTripNumber	5.00	6.00
tblTripsAndVMT	WorkerTripNumber	51.00	52.00
tblTripsAndVMT	WorkerTripNumber	15.00	16.00
tblTripsAndVMT	WorkerTripNumber	51.00	10.00
tblTripsAndVMT	WorkerTripNumber	13.00	14.00
tblTripsAndVMT	WorkerTripNumber	5.00	6.00
tblTripsAndVMT	WorkerTripNumber	51.00	52.00
tblTripsAndVMT	WorkerTripNumber	51.00	10.00
tblTripsAndVMT	WorkerTripNumber	15.00	16.00
tblTripsAndVMT	WorkerTripNumber	13.00	14.00
tblVehicleTrips	ST_TR	1.32	2.66
tblVehicleTrips	SU_TR	0.68	1.37
tblVehicleTrips	WD_TR	6.97	14.04

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					
2020	0.2547	2.1547	1.6967	3.4700e-003	0.1229	0.1032	0.2261	0.0499	0.0978	0.1477	0.0000	300.1459	300.1459	0.0572	0.0000	301.5760
2021	0.6039	2.4431	1.7185	3.5700e-003	0.4799	0.1123	0.5922	0.2349	0.1049	0.3398	0.0000	311.0051	311.0051	0.0723	0.0000	312.8124
2022	0.3888	3.4398	2.9403	6.1800e-003	0.5100	0.1513	0.6613	0.2415	0.1425	0.3839	0.0000	535.2065	535.2065	0.1083	0.0000	537.9135
2023	0.3728	0.1964	0.2263	4.9000e-004	0.0119	8.3600e-003	0.0203	3.2000e-003	8.0700e-003	0.0113	0.0000	42.0741	42.0741	5.0500e-003	0.0000	42.2003
Maximum	**0.6039**	**3.4398**	**2.9403**	**6.1800e-003**	**0.5100**	**0.1513**	**0.6613**	**0.2415**	**0.1425**	**0.3839**	**0.0000**	**535.2065**	**535.2065**	**0.1083**	**0.0000**	**537.9135**

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					
2020	0.2547	2.1547	1.6967	3.4700e-003	0.0801	0.1032	0.1833	0.0292	0.0978	0.1269	0.0000	300.1457	300.1457	0.0572	0.0000	301.5757
2021	0.6039	2.4431	1.7185	3.5700e-003	0.2372	0.1123	0.3495	0.1114	0.1049	0.2163	0.0000	311.0048	311.0048	0.0723	0.0000	312.8121
2022	0.3888	3.4398	2.9403	6.1800e-003	0.2706	0.1513	0.4218	0.1198	0.1425	0.2622	0.0000	535.2060	535.2060	0.1083	0.0000	537.9130
2023	0.3728	0.1964	0.2263	4.9000e-004	0.0119	8.3600e-003	0.0203	3.2000e-003	8.0700e-003	0.0113	0.0000	42.0741	42.0741	5.0500e-003	0.0000	42.2003
Maximum	**0.6039**	**3.4398**	**2.9403**	**6.1800e-003**	**0.2706**	**0.1513**	**0.4218**	**0.1198**	**0.1425**	**0.2622**	**0.0000**	**535.2060**	**535.2060**	**0.1083**	**0.0000**	**537.9130**

	ROG	NOx	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**	**46.68**	**0.00**	**35.01**	**50.22**	**0.00**	**30.13**	**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	tons/yr										MT/yr					
Area	0.2289	1.0000e-005	1.4600e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	2.8400e-003	2.8400e-003	1.0000e-005	0.0000	3.0200e-003
Energy	6.7100e-003	0.0610	0.0513	3.7000e-004		4.6400e-003	4.6400e-003		4.6400e-003	4.6400e-003	0.0000	103.5680	103.5680	2.9000e-003	1.5800e-003	104.1108
Mobile	0.1247	0.4081	1.4924	5.6700e-003	0.5758	5.4000e-003	0.5812	0.1544	5.0500e-003	0.1595	0.0000	518.8252	518.8252	0.0161	0.0000	519.2268
Waste						0.0000	0.0000		0.0000	0.0000	12.6606	0.0000	12.6606	0.7482	0.0000	31.3660
Water						0.0000	0.0000		0.0000	0.0000	3.6903	5.8811	9.5714	0.3793	9.0100e-003	21.7374
Total	**0.3604**	**0.4691**	**1.5451**	**6.0400e-003**	**0.5758**	**0.0101**	**0.5859**	**0.1544**	**9.7000e-003**	**0.1641**	**16.3508**	**628.2772**	**644.6280**	**1.1465**	**0.0106**	**676.4440**

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	0.2289	1.0000e-005	1.4600e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	2.8400e-003	2.8400e-003	1.0000e-005	0.0000	3.0200e-003
Energy	5.2600e-003	0.0478	0.0402	2.9000e-004		3.6300e-003	3.6300e-003		3.6300e-003	3.6300e-003	0.0000	87.4880	87.4880	2.5500e-003	1.3000e-003	87.9386
Mobile	0.1247	0.4081	1.4924	5.6700e-003	0.5758	5.4000e-003	0.5812	0.1544	5.0500e-003	0.1595	0.0000	518.8252	518.8252	0.0161	0.0000	519.2268
Waste						0.0000	0.0000		0.0000	0.0000	6.3303	0.0000	6.3303	0.3741	0.0000	15.6830
Water						0.0000	0.0000		0.0000	0.0000	2.9522	4.7049	7.6571	0.3034	7.2100e-003	17.3899
Total	**0.3589**	**0.4559**	**1.5340**	**5.9600e-003**	**0.5758**	**9.0400e-003**	**0.5849**	**0.1544**	**8.6900e-003**	**0.1631**	**9.2825**	**611.0210**	**620.3035**	**0.6962**	**8.5100e-003**	**640.2413**

	ROG	NOx	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	**0.40**	**2.82**	**0.72**	**1.32**	**0.00**	**10.05**	**0.17**	**0.00**	**10.41**	**0.62**	**43.23**	**2.75**	**3.77**	**39.28**	**19.64**	**5.35**

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Work - Site Preparation	Site Preparation	3/1/2020	3/31/2020	5	22	
2	Building A - Pile Driving/Grading	Grading	4/1/2020	4/30/2020	5	22	
3	Building A - Utilities	Trenching	5/1/2020	6/30/2020	5	43	
4	Building A - Building Construction	Building Construction	6/1/2020	4/30/2021	5	240	
5	Site Work - Grading 1	Grading	3/1/2021	7/31/2021	5	110	
6	Building A - Finish Work	Building Construction	4/1/2021	8/31/2021	5	109	
7	Building A - Architectural Coating	Architectural Coating	6/1/2021	7/31/2021	5	44	
8	Building A - Paving	Paving	8/1/2021	9/30/2021	5	44	
9	Building B and C - Pile Driving/Grading	Grading	12/1/2021	1/31/2022	5	44	
10	Building B and C - Utilities	Trenching	1/1/2022	2/28/2022	5	41	
11	Building B and C - Building Construction	Building Construction	2/1/2022	1/31/2023	5	261	
12	Site Work - Grading 2	Grading	5/1/2022	9/30/2022	5	110	
13	Building B and C - Paving	Paving	10/1/2022	11/30/2022	5	43	
14	Building B and C - Finish Work	Building Construction	1/1/2023	5/31/2023	5	108	
15	Building B and C - Architectural Coating	Architectural Coating	2/1/2023	3/31/2023	5	43	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 1.64

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 75,450; Non-Residential Outdoor: 25,150; Striped Parking

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Work - Site Preparation	Graders	1	8.00	187	0.41
Site Work - Site Preparation	Scrapers	1	8.00	367	0.48
Site Work - Site Preparation	Tractors/Loaders/Backhoes	1	7.00	97	0.37
Building A - Pile Driving/Grading	Bore/Drill Rigs	1	7.00	221	0.50
Building A - Pile Driving/Grading	Graders	1	8.00	187	0.41
Building A - Pile Driving/Grading	Rubber Tired Dozers	1	8.00	247	0.40
Building A - Pile Driving/Grading	Tractors/Loaders/Backhoes	2	7.00	97	0.37
Building A - Utilities	Excavators	1	8.00	158	0.38
Building A - Utilities	Trenchers	1	8.00	78	0.50
Building A - Building Construction	Cranes	1	8.00	231	0.29
Building A - Building Construction	Forklifts	2	7.00	89	0.20
Building A - Building Construction	Generator Sets	1	8.00	84	0.74
Building A - Building Construction	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Building A - Building Construction	Welders	3	8.00	46	0.45
Site Work - Grading 1	Graders	1	8.00	187	0.41
Site Work - Grading 1	Rubber Tired Dozers	1	8.00	247	0.40
Site Work - Grading 1	Tractors/Loaders/Backhoes	2	7.00	97	0.37
Building A - Finish Work	Cranes	0	0.00	231	0.29
Building A - Architectural Coating	Air Compressors	1	6.00	78	0.48
Building A - Paving	Cement and Mortar Mixers	1	8.00	9	0.56
Building A - Paving	Pavers	1	8.00	130	0.42
Building A - Paving	Paving Equipment	1	8.00	132	0.36
Building A - Paving	Rollers	2	8.00	80	0.38
Building A - Paving	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Building B and C - Pile Driving/Grading	Bore/Drill Rigs	1	7.00	221	0.50
Building B and C - Pile Driving/Grading	Graders	1	8.00	187	0.41
Building B and C - Pile Driving/Grading	Rubber Tired Dozers	1	8.00	247	0.40
Building B and C - Pile Driving/Grading	Tractors/Loaders/Backhoes	2	7.00	97	0.37

Building B and C - Utilities	Excavators	1	8.00	158	0.38
Building B and C - Utilities	Trenchers	1	8.00	78	0.50
Building B and C - Building Construction	Cranes	1	8.00	231	0.29
Building B and C - Building Construction	Forklifts	2	7.00	89	0.20
Building B and C - Building Construction	Generator Sets	1	8.00	84	0.74
Building B and C - Building Construction	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Building B and C - Building Construction	Welders	3	8.00	46	0.45
Site Work - Grading 2	Graders	1	8.00	187	0.41
Site Work - Grading 2	Rubber Tired Dozers	1	8.00	247	0.40
Site Work - Grading 2	Tractors/Loaders/Backhoes	2	7.00	97	0.37
Building B and C - Paving	Cement and Mortar Mixers	1	8.00	9	0.56
Building B and C - Paving	Pavers	1	8.00	130	0.42
Building B and C - Paving	Paving Equipment	1	8.00	132	0.36
Building B and C - Paving	Rollers	2	8.00	80	0.38
Building B and C - Paving	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Building B and C - Finish Work	Cranes	0	0.00	231	0.29
Building B and C - Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Site Work - Site Preparation	3	8.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building A - Pile Driving/Grading	5	14.00	0.00	122.00	10.80	7.30	8.80	LD_Mix	HDT_Mix	HHDT
Building A - Utilities	2	6.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building A - Building Construction	8	52.00	20.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Site Work - Grading 1	4	10.00	0.00	140.00	10.80	7.30	8.80	LD_Mix	HDT_Mix	HHDT
Building A - Finish Work	0	10.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building A - Architectural Coating	1	10.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building A - Paving	6	16.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building B and C - Pile Driving/Grading	5	14.00	0.00	122.00	10.80	7.30	8.80	LD_Mix	HDT_Mix	HHDT
Building B and C - Utilities	2	6.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building B and C - Building Construction	8	52.00	20.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Site Work - Grading 2	4	10.00	0.00	140.00	10.80	7.30	8.80	LD_Mix	HDT_Mix	HHDT
Building B and C - Paving	6	16.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building B and C - Finish Work	0	10.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building B and C - Architectural Coating	1	10.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

3.2 Site Work - Site Preparation - 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					5.8300e-003	0.0000	5.8300e-003	6.3000e-004	0.0000	6.3000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0182	0.2191	0.1240	2.7000e-004		8.5500e-003	8.5500e-003		7.8600e-003	7.8600e-003	0.0000	23.6793	23.6793	7.6600e-003	0.0000	23.8708
Total	**0.0182**	**0.2191**	**0.1240**	**2.7000e-004**	**5.8300e-003**	**8.5500e-003**	**0.0144**	**6.3000e-004**	**7.8600e-003**	**8.4900e-003**	**0.0000**	**23.6793**	**23.6793**	**7.6600e-003**	**0.0000**	**23.8708**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	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	3.1000e-004	2.1000e-004	2.0800e-003	1.0000e-005	6.9000e-004	0.0000	7.0000e-004	1.8000e-004	0.0000	1.9000e-004	0.0000	0.6183	0.6183	1.0000e-005	0.0000	0.6186
Total	**3.1000e-004**	**2.1000e-004**	**2.0800e-003**	**1.0000e-005**	**6.9000e-004**	**0.0000**	**7.0000e-004**	**1.8000e-004**	**0.0000**	**1.9000e-004**	**0.0000**	**0.6183**	**0.6183**	**1.0000e-005**	**0.0000**	**0.6186**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					2.6200e-003	0.0000	2.6200e-003	2.8000e-004	0.0000	2.8000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0182	0.2191	0.1240	2.7000e-004		8.5500e-003	8.5500e-003		7.8600e-003	7.8600e-003	0.0000	23.6793	23.6793	7.6600e-003	0.0000	23.8707
Total	**0.0182**	**0.2191**	**0.1240**	**2.7000e-004**	**2.6200e-003**	**8.5500e-003**	**0.0112**	**2.8000e-004**	**7.8600e-003**	**8.1400e-003**	**0.0000**	**23.6793**	**23.6793**	**7.6600e-003**	**0.0000**	**23.8707**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	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	3.1000e-004	2.1000e-004	2.0800e-003	1.0000e-005	6.9000e-004	0.0000	7.0000e-004	1.8000e-004	0.0000	1.9000e-004	0.0000	0.6183	0.6183	1.0000e-005	0.0000	0.6186
Total	**3.1000e-004**	**2.1000e-004**	**2.0800e-003**	**1.0000e-005**	**6.9000e-004**	**0.0000**	**7.0000e-004**	**1.8000e-004**	**0.0000**	**1.9000e-004**	**0.0000**	**0.6183**	**0.6183**	**1.0000e-005**	**0.0000**	**0.6186**

3.3 Building A - Pile Driving/Grading - 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					0.0721	0.0000	0.0721	0.0371	0.0000	0.0371	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0238	0.2687	0.1293	3.2000e-004		0.0119	0.0119		0.0109	0.0109	0.0000	27.8663	27.8663	9.0100e-003	0.0000	28.0916
Total	**0.0238**	**0.2687**	**0.1293**	**3.2000e-004**	**0.0721**	**0.0119**	**0.0840**	**0.0371**	**0.0109**	**0.0480**	**0.0000**	**27.8663**	**27.8663**	**9.0100e-003**	**0.0000**	**28.0916**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	3.0000e-004	0.0108	3.0300e-003	2.0000e-005	4.5000e-004	3.0000e-005	4.8000e-004	1.2000e-004	3.0000e-005	1.5000e-004	0.0000	2.3239	2.3239	1.5000e-004	0.0000	2.3277
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	5.4000e-004	3.7000e-004	3.6400e-003	1.0000e-005	1.2100e-003	1.0000e-005	1.2200e-003	3.2000e-004	1.0000e-005	3.3000e-004	0.0000	1.0819	1.0819	3.0000e-005	0.0000	1.0826
Total	**8.4000e-004**	**0.0112**	**6.6700e-003**	**3.0000e-005**	**1.6600e-003**	**4.0000e-005**	**1.7000e-003**	**4.4000e-004**	**4.0000e-005**	**4.8000e-004**	**0.0000**	**3.4058**	**3.4058**	**1.8000e-004**	**0.0000**	**3.4103**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					0.0325	0.0000	0.0325	0.0167	0.0000	0.0167	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0238	0.2687	0.1293	3.2000e-004		0.0119	0.0119		0.0109	0.0109	0.0000	27.8663	27.8663	9.0100e-003	0.0000	28.0916
Total	**0.0238**	**0.2687**	**0.1293**	**3.2000e-004**	**0.0325**	**0.0119**	**0.0443**	**0.0167**	**0.0109**	**0.0276**	**0.0000**	**27.8663**	**27.8663**	**9.0100e-003**	**0.0000**	**28.0916**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	3.0000e-004	0.0108	3.0300e-003	2.0000e-005	4.5000e-004	3.0000e-005	4.8000e-004	1.2000e-004	3.0000e-005	1.5000e-004	0.0000	2.3239	2.3239	1.5000e-004	0.0000	2.3277
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	5.4000e-004	3.7000e-004	3.6400e-003	1.0000e-005	1.2100e-003	1.0000e-005	1.2200e-003	3.2000e-004	1.0000e-005	3.3000e-004	0.0000	1.0819	1.0819	3.0000e-005	0.0000	1.0826
Total	**8.4000e-004**	**0.0112**	**6.6700e-003**	**3.0000e-005**	**1.6600e-003**	**4.0000e-005**	**1.7000e-003**	**4.4000e-004**	**4.0000e-005**	**4.8000e-004**	**0.0000**	**3.4058**	**3.4058**	**1.8000e-004**	**0.0000**	**3.4103**

3.4 Building A - Utilities - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0143	0.1335	0.1269	1.8000e-004		8.6200e-003	8.6200e-003		7.9300e-003	7.9300e-003	0.0000	16.1288	16.1288	5.2200e-003	0.0000	16.2593
Total	**0.0143**	**0.1335**	**0.1269**	**1.8000e-004**		**8.6200e-003**	**8.6200e-003**		**7.9300e-003**	**7.9300e-003**	**0.0000**	**16.1288**	**16.1288**	**5.2200e-003**	**0.0000**	**16.2593**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	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	4.5000e-004	3.1000e-004	3.0500e-003	1.0000e-005	1.0200e-003	1.0000e-005	1.0200e-003	2.7000e-004	1.0000e-005	2.8000e-004	0.0000	0.9063	0.9063	2.0000e-005	0.0000	0.9068
Total	**4.5000e-004**	**3.1000e-004**	**3.0500e-003**	**1.0000e-005**	**1.0200e-003**	**1.0000e-005**	**1.0200e-003**	**2.7000e-004**	**1.0000e-005**	**2.8000e-004**	**0.0000**	**0.9063**	**0.9063**	**2.0000e-005**	**0.0000**	**0.9068**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0143	0.1335	0.1269	1.8000e-004		8.6200e-003	8.6200e-003		7.9300e-003	7.9300e-003	0.0000	16.1288	16.1288	5.2200e-003	0.0000	16.2592
Total	**0.0143**	**0.1335**	**0.1269**	**1.8000e-004**		**8.6200e-003**	**8.6200e-003**		**7.9300e-003**	**7.9300e-003**	**0.0000**	**16.1288**	**16.1288**	**5.2200e-003**	**0.0000**	**16.2592**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	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	4.5000e-004	3.1000e-004	3.0500e-003	1.0000e-005	1.0200e-003	1.0000e-005	1.0200e-003	2.7000e-004	1.0000e-005	2.8000e-004	0.0000	0.9063	0.9063	2.0000e-005	0.0000	0.9068
Total	**4.5000e-004**	**3.1000e-004**	**3.0500e-003**	**1.0000e-005**	**1.0200e-003**	**1.0000e-005**	**1.0200e-003**	**2.7000e-004**	**1.0000e-005**	**2.8000e-004**	**0.0000**	**0.9063**	**0.9063**	**2.0000e-005**	**0.0000**	**0.9068**

3.5 Building A - Building Construction - 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					
Off-Road	0.1762	1.3424	1.1471	1.9300e-003		0.0730	0.0730		0.0700	0.0700	0.0000	159.8862	159.8862	0.0325	0.0000	160.6974
Total	**0.1762**	**1.3424**	**1.1471**	**1.9300e-003**		**0.0730**	**0.0730**		**0.0700**	**0.0700**	**0.0000**	**159.8862**	**159.8862**	**0.0325**	**0.0000**	**160.6974**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	6.7000e-003	0.1698	0.0629	4.1000e-004	0.0101	8.7000e-004	0.0109	2.9100e-003	8.3000e-004	3.7400e-003	0.0000	39.5246	39.5246	1.9900e-003	0.0000	39.5742
Worker	0.0140	9.5700e-003	0.0947	3.1000e-004	0.0315	2.2000e-004	0.0318	8.3900e-003	2.0000e-004	8.5900e-003	0.0000	28.1303	28.1303	6.7000e-004	0.0000	28.1470
Total	**0.0207**	**0.1793**	**0.1576**	**7.2000e-004**	**0.0416**	**1.0900e-003**	**0.0427**	**0.0113**	**1.0300e-003**	**0.0123**	**0.0000**	**67.6549**	**67.6549**	**2.6600e-003**	**0.0000**	**67.7212**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1762	1.3424	1.1471	1.9300e-003		0.0730	0.0730		0.0700	0.0700	0.0000	159.8860	159.8860	0.0325	0.0000	160.6973
Total	**0.1762**	**1.3424**	**1.1471**	**1.9300e-003**		**0.0730**	**0.0730**		**0.0700**	**0.0700**	**0.0000**	**159.8860**	**159.8860**	**0.0325**	**0.0000**	**160.6973**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	6.7000e-003	0.1698	0.0629	4.1000e-004	0.0101	8.7000e-004	0.0109	2.9100e-003	8.3000e-004	3.7400e-003	0.0000	39.5246	39.5246	1.9900e-003	0.0000	39.5742
Worker	0.0140	9.5700e-003	0.0947	3.1000e-004	0.0315	2.2000e-004	0.0318	8.3900e-003	2.0000e-004	8.5900e-003	0.0000	28.1303	28.1303	6.7000e-004	0.0000	28.1470
Total	**0.0207**	**0.1793**	**0.1576**	**7.2000e-004**	**0.0416**	**1.0900e-003**	**0.0427**	**0.0113**	**1.0300e-003**	**0.0123**	**0.0000**	**67.6549**	**67.6549**	**2.6600e-003**	**0.0000**	**67.7212**

3.5 Building A - Building Construction - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0879	0.6892	0.6262	1.0800e-003		0.0351	0.0351		0.0337	0.0337	0.0000	89.2890	89.2890	0.0176	0.0000	89.7281
Total	**0.0879**	**0.6892**	**0.6262**	**1.0800e-003**		**0.0351**	**0.0351**		**0.0337**	**0.0337**	**0.0000**	**89.2890**	**89.2890**	**0.0176**	**0.0000**	**89.7281**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	3.0600e-003	0.0858	0.0310	2.3000e-004	5.6200e-003	2.0000e-004	5.8200e-003	1.6300e-003	1.9000e-004	1.8200e-003	0.0000	21.8812	21.8812	1.0500e-003	0.0000	21.9074
Worker	7.2700e-003	4.7800e-003	0.0483	1.7000e-004	0.0176	1.2000e-004	0.0177	4.6900e-003	1.1000e-004	4.7900e-003	0.0000	15.1603	15.1603	3.3000e-004	0.0000	15.1686
Total	**0.0103**	**0.0906**	**0.0792**	**4.0000e-004**	**0.0232**	**3.2000e-004**	**0.0236**	**6.3200e-003**	**3.0000e-004**	**6.6100e-003**	**0.0000**	**37.0415**	**37.0415**	**1.3800e-003**	**0.0000**	**37.0761**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0879	0.6892	0.6262	1.0800e-003		0.0351	0.0351		0.0337	0.0337	0.0000	89.2889	89.2889	0.0176	0.0000	89.7280
Total	**0.0879**	**0.6892**	**0.6262**	**1.0800e-003**		**0.0351**	**0.0351**		**0.0337**	**0.0337**	**0.0000**	**89.2889**	**89.2889**	**0.0176**	**0.0000**	**89.7280**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	3.0600e-003	0.0858	0.0310	2.3000e-004	5.6200e-003	2.0000e-004	5.8200e-003	1.6300e-003	1.9000e-004	1.8200e-003	0.0000	21.8812	21.8812	1.0500e-003	0.0000	21.9074
Worker	7.2700e-003	4.7800e-003	0.0483	1.7000e-004	0.0176	1.2000e-004	0.0177	4.6900e-003	1.1000e-004	4.7900e-003	0.0000	15.1603	15.1603	3.3000e-004	0.0000	15.1686
Total	**0.0103**	**0.0906**	**0.0792**	**4.0000e-004**	**0.0232**	**3.2000e-004**	**0.0236**	**6.3200e-003**	**3.0000e-004**	**6.6100e-003**	**0.0000**	**37.0415**	**37.0415**	**1.3800e-003**	**0.0000**	**37.0761**

3.6 Site Work - Grading 1 - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.3604	0.0000	0.3604	0.1852	0.0000	0.1852	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.1005	1.1117	0.5368	1.1300e-003		0.0504	0.0504		0.0463	0.0463	0.0000	99.5714	99.5714	0.0322	0.0000	100.3764
Total	**0.1005**	**1.1117**	**0.5368**	**1.1300e-003**	**0.3604**	**0.0504**	**0.4108**	**0.1852**	**0.0463**	**0.2316**	**0.0000**	**99.5714**	**99.5714**	**0.0322**	**0.0000**	**100.3764**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	3.1000e-004	0.0117	3.2200e-003	3.0000e-005	5.2000e-004	3.0000e-005	5.5000e-004	1.4000e-004	3.0000e-005	1.7000e-004	0.0000	2.6357	2.6357	1.7000e-004	0.0000	2.6399
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.7900e-003	1.1800e-003	0.0119	4.0000e-005	4.3300e-003	3.0000e-005	4.3600e-003	1.1500e-003	3.0000e-005	1.1800e-003	0.0000	3.7291	3.7291	8.0000e-005	0.0000	3.7311
Total	**2.1000e-003**	**0.0129**	**0.0151**	**7.0000e-005**	**4.8500e-003**	**6.0000e-005**	**4.9100e-003**	**1.2900e-003**	**6.0000e-005**	**1.3500e-003**	**0.0000**	**6.3648**	**6.3648**	**2.5000e-004**	**0.0000**	**6.3710**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					0.1622	0.0000	0.1622	0.0834	0.0000	0.0834	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.1005	1.1117	0.5368	1.1300e-003		0.0504	0.0504		0.0463	0.0463	0.0000	99.5712	99.5712	0.0322	0.0000	100.3763
Total	**0.1005**	**1.1117**	**0.5368**	**1.1300e-003**	**0.1622**	**0.0504**	**0.2125**	**0.0834**	**0.0463**	**0.1297**	**0.0000**	**99.5712**	**99.5712**	**0.0322**	**0.0000**	**100.3763**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	3.1000e-004	0.0117	3.2200e-003	3.0000e-005	5.2000e-004	3.0000e-005	5.5000e-004	1.4000e-004	3.0000e-005	1.7000e-004	0.0000	2.6357	2.6357	1.7000e-004	0.0000	2.6399
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.7900e-003	1.1800e-003	0.0119	4.0000e-005	4.3300e-003	3.0000e-005	4.3600e-003	1.1500e-003	3.0000e-005	1.1800e-003	0.0000	3.7291	3.7291	8.0000e-005	0.0000	3.7311
Total	**2.1000e-003**	**0.0129**	**0.0151**	**7.0000e-005**	**4.8500e-003**	**6.0000e-005**	**4.9100e-003**	**1.2900e-003**	**6.0000e-005**	**1.3500e-003**	**0.0000**	**6.3648**	**6.3648**	**2.5000e-004**	**0.0000**	**6.3710**

3.7 Building A - Finish Work - 2021

Unmitigated Construction On-Site

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

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.7700e-003	1.1700e-003	0.0118	4.0000e-005	4.2900e-003	3.0000e-005	4.3200e-003	1.1400e-003	3.0000e-005	1.1700e-003	0.0000	3.6952	3.6952	8.0000e-005	0.0000	3.6972
Total	**1.7700e-003**	**1.1700e-003**	**0.0118**	**4.0000e-005**	**4.2900e-003**	**3.0000e-005**	**4.3200e-003**	**1.1400e-003**	**3.0000e-005**	**1.1700e-003**	**0.0000**	**3.6952**	**3.6952**	**8.0000e-005**	**0.0000**	**3.6972**

Mitigated Construction On-Site

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

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.7700e-003	1.1700e-003	0.0118	4.0000e-005	4.2900e-003	3.0000e-005	4.3200e-003	1.1400e-003	3.0000e-005	1.1700e-003	0.0000	3.6952	3.6952	8.0000e-005	0.0000	3.6972
Total	**1.7700e-003**	**1.1700e-003**	**0.0118**	**4.0000e-005**	**4.2900e-003**	**3.0000e-005**	**4.3200e-003**	**1.1400e-003**	**3.0000e-005**	**1.1700e-003**	**0.0000**	**3.6952**	**3.6952**	**8.0000e-005**	**0.0000**	**3.6972**

3.8 Building A - Architectural Coating - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.3455					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	4.8200e-003	0.0336	0.0400	7.0000e-005		2.0700e-003	2.0700e-003		2.0700e-003	2.0700e-003	0.0000	5.6172	5.6172	3.9000e-004	0.0000	5.6268
Total	**0.3503**	**0.0336**	**0.0400**	**7.0000e-005**		**2.0700e-003**	**2.0700e-003**		**2.0700e-003**	**2.0700e-003**	**0.0000**	**5.6172**	**5.6172**	**3.9000e-004**	**0.0000**	**5.6268**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	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	7.2000e-004	4.7000e-004	4.7500e-003	2.0000e-005	1.7300e-003	1.0000e-005	1.7400e-003	4.6000e-004	1.0000e-005	4.7000e-004	0.0000	1.4916	1.4916	3.0000e-005	0.0000	1.4924
Total	**7.2000e-004**	**4.7000e-004**	**4.7500e-003**	**2.0000e-005**	**1.7300e-003**	**1.0000e-005**	**1.7400e-003**	**4.6000e-004**	**1.0000e-005**	**4.7000e-004**	**0.0000**	**1.4916**	**1.4916**	**3.0000e-005**	**0.0000**	**1.4924**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.3455					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	4.8200e-003	0.0336	0.0400	7.0000e-005		2.0700e-003	2.0700e-003		2.0700e-003	2.0700e-003	0.0000	5.6172	5.6172	3.9000e-004	0.0000	5.6268
Total	**0.3503**	**0.0336**	**0.0400**	**7.0000e-005**		**2.0700e-003**	**2.0700e-003**		**2.0700e-003**	**2.0700e-003**	**0.0000**	**5.6172**	**5.6172**	**3.9000e-004**	**0.0000**	**5.6268**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	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	7.2000e-004	4.7000e-004	4.7500e-003	2.0000e-005	1.7300e-003	1.0000e-005	1.7400e-003	4.6000e-004	1.0000e-005	4.7000e-004	0.0000	1.4916	1.4916	3.0000e-005	0.0000	1.4924
Total	**7.2000e-004**	**4.7000e-004**	**4.7500e-003**	**2.0000e-005**	**1.7300e-003**	**1.0000e-005**	**1.7400e-003**	**4.6000e-004**	**1.0000e-005**	**4.7000e-004**	**0.0000**	**1.4916**	**1.4916**	**3.0000e-005**	**0.0000**	**1.4924**

3.9 Building A - Paving - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0234	0.2343	0.2591	3.9000e-004		0.0128	0.0128		0.0118	0.0118	0.0000	34.1105	34.1105	0.0108	0.0000	34.3808
Paving	1.4700e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0249**	**0.2343**	**0.2591**	**3.9000e-004**		**0.0128**	**0.0128**		**0.0118**	**0.0118**	**0.0000**	**34.1105**	**34.1105**	**0.0108**	**0.0000**	**34.3808**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	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	1.1400e-003	7.5000e-004	7.6000e-003	3.0000e-005	2.7700e-003	2.0000e-005	2.7900e-003	7.4000e-004	2.0000e-005	7.5000e-004	0.0000	2.3866	2.3866	5.0000e-005	0.0000	2.3879
Total	**1.1400e-003**	**7.5000e-004**	**7.6000e-003**	**3.0000e-005**	**2.7700e-003**	**2.0000e-005**	**2.7900e-003**	**7.4000e-004**	**2.0000e-005**	**7.5000e-004**	**0.0000**	**2.3866**	**2.3866**	**5.0000e-005**	**0.0000**	**2.3879**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0234	0.2343	0.2591	3.9000e-004		0.0128	0.0128		0.0118	0.0118	0.0000	34.1105	34.1105	0.0108	0.0000	34.3808
Paving	1.4700e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0249**	**0.2343**	**0.2591**	**3.9000e-004**		**0.0128**	**0.0128**		**0.0118**	**0.0118**	**0.0000**	**34.1105**	**34.1105**	**0.0108**	**0.0000**	**34.3808**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	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	1.1400e-003	7.5000e-004	7.6000e-003	3.0000e-005	2.7700e-003	2.0000e-005	2.7900e-003	7.4000e-004	2.0000e-005	7.5000e-004	0.0000	2.3866	2.3866	5.0000e-005	0.0000	2.3879
Total	**1.1400e-003**	**7.5000e-004**	**7.6000e-003**	**3.0000e-005**	**2.7700e-003**	**2.0000e-005**	**2.7900e-003**	**7.4000e-004**	**2.0000e-005**	**7.5000e-004**	**0.0000**	**2.3866**	**2.3866**	**5.0000e-005**	**0.0000**	**2.3879**

3.10 Building B and C - Pile Driving/Grading - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0810	0.0000	0.0810	0.0393	0.0000	0.0393	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0236	0.2629	0.1331	3.3000e-004		0.0115	0.0115		0.0105	0.0105	0.0000	29.1453	29.1453	9.4300e-003	0.0000	29.3809
Total	**0.0236**	**0.2629**	**0.1331**	**3.3000e-004**	**0.0810**	**0.0115**	**0.0924**	**0.0393**	**0.0105**	**0.0499**	**0.0000**	**29.1453**	**29.1453**	**9.4300e-003**	**0.0000**	**29.3809**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	1.4000e-004	5.3200e-003	1.4700e-003	1.0000e-005	4.0000e-004	1.0000e-005	4.1000e-004	1.0000e-004	1.0000e-005	1.2000e-004	0.0000	1.2006	1.2006	8.0000e-005	0.0000	1.2025
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	5.2000e-004	3.4000e-004	3.4700e-003	1.0000e-005	1.2700e-003	1.0000e-005	1.2800e-003	3.4000e-004	1.0000e-005	3.5000e-004	0.0000	1.0916	1.0916	2.0000e-005	0.0000	1.0922
Total	**6.6000e-004**	**5.6600e-003**	**4.9400e-003**	**2.0000e-005**	**1.6700e-003**	**2.0000e-005**	**1.6900e-003**	**4.4000e-004**	**2.0000e-005**	**4.7000e-004**	**0.0000**	**2.2922**	**2.2922**	**1.0000e-004**	**0.0000**	**2.2947**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					0.0364	0.0000	0.0364	0.0177	0.0000	0.0177	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0236	0.2629	0.1331	3.3000e-004		0.0115	0.0115		0.0105	0.0105	0.0000	29.1452	29.1452	9.4300e-003	0.0000	29.3809
Total	**0.0236**	**0.2629**	**0.1331**	**3.3000e-004**	**0.0364**	**0.0115**	**0.0479**	**0.0177**	**0.0105**	**0.0282**	**0.0000**	**29.1452**	**29.1452**	**9.4300e-003**	**0.0000**	**29.3809**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	1.4000e-004	5.3200e-003	1.4700e-003	1.0000e-005	4.0000e-004	1.0000e-005	4.1000e-004	1.0000e-004	1.0000e-005	1.2000e-004	0.0000	1.2006	1.2006	8.0000e-005	0.0000	1.2025
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	5.2000e-004	3.4000e-004	3.4700e-003	1.0000e-005	1.2700e-003	1.0000e-005	1.2800e-003	3.4000e-004	1.0000e-005	3.5000e-004	0.0000	1.0916	1.0916	2.0000e-005	0.0000	1.0922
Total	**6.6000e-004**	**5.6600e-003**	**4.9400e-003**	**2.0000e-005**	**1.6700e-003**	**2.0000e-005**	**1.6900e-003**	**4.4000e-004**	**2.0000e-005**	**4.7000e-004**	**0.0000**	**2.2922**	**2.2922**	**1.0000e-004**	**0.0000**	**2.2947**

3.10 Building B and C - Pile Driving/Grading - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0750	0.0000	0.0750	0.0360	0.0000	0.0360	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0182	0.1992	0.1156	3.0000e-004		8.4600e-003	8.4600e-003		7.7900e-003	7.7900e-003	0.0000	26.6222	26.6222	8.6100e-003	0.0000	26.8374
Total	**0.0182**	**0.1992**	**0.1156**	**3.0000e-004**	**0.0750**	**8.4600e-003**	**0.0834**	**0.0360**	**7.7900e-003**	**0.0438**	**0.0000**	**26.6222**	**26.6222**	**8.6100e-003**	**0.0000**	**26.8374**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	1.2000e-004	4.5300e-003	1.2900e-003	1.0000e-005	3.9000e-004	1.0000e-005	4.0000e-004	1.0000e-004	1.0000e-005	1.1000e-004	0.0000	1.0821	1.0821	7.0000e-005	0.0000	1.0838
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	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	2.8000e-004	2.9300e-003	1.0000e-005	1.1600e-003	1.0000e-005	1.1700e-003	3.1000e-004	1.0000e-005	3.2000e-004	0.0000	0.9603	0.9603	2.0000e-005	0.0000	0.9608
Total	**5.7000e-004**	**4.8100e-003**	**4.2200e-003**	**2.0000e-005**	**1.5500e-003**	**2.0000e-005**	**1.5700e-003**	**4.1000e-004**	**2.0000e-005**	**4.3000e-004**	**0.0000**	**2.0424**	**2.0424**	**9.0000e-005**	**0.0000**	**2.0446**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					0.0337	0.0000	0.0337	0.0162	0.0000	0.0162	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0182	0.1992	0.1156	3.0000e-004		8.4600e-003	8.4600e-003		7.7900e-003	7.7900e-003	0.0000	26.6221	26.6221	8.6100e-003	0.0000	26.8374
Total	**0.0182**	**0.1992**	**0.1156**	**3.0000e-004**	**0.0337**	**8.4600e-003**	**0.0422**	**0.0162**	**7.7900e-003**	**0.0240**	**0.0000**	**26.6221**	**26.6221**	**8.6100e-003**	**0.0000**	**26.8374**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	1.2000e-004	4.5300e-003	1.2900e-003	1.0000e-005	3.9000e-004	1.0000e-005	4.0000e-004	1.0000e-004	1.0000e-005	1.1000e-004	0.0000	1.0821	1.0821	7.0000e-005	0.0000	1.0838
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	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	2.8000e-004	2.9300e-003	1.0000e-005	1.1600e-003	1.0000e-005	1.1700e-003	3.1000e-004	1.0000e-005	3.2000e-004	0.0000	0.9603	0.9603	2.0000e-005	0.0000	0.9608
Total	**5.7000e-004**	**4.8100e-003**	**4.2200e-003**	**2.0000e-005**	**1.5500e-003**	**2.0000e-005**	**1.5700e-003**	**4.1000e-004**	**2.0000e-005**	**4.3000e-004**	**0.0000**	**2.0424**	**2.0424**	**9.0000e-005**	**0.0000**	**2.0446**

3.11 Building B and C - Utilities - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0116	0.1057	0.1200	1.8000e-004		6.6700e-003	6.6700e-003		6.1400e-003	6.1400e-003	0.0000	15.3793	15.3793	4.9700e-003	0.0000	15.5037
Total	**0.0116**	**0.1057**	**0.1200**	**1.8000e-004**		**6.6700e-003**	**6.6700e-003**		**6.1400e-003**	**6.1400e-003**	**0.0000**	**15.3793**	**15.3793**	**4.9700e-003**	**0.0000**	**15.5037**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.8000e-004	2.4000e-004	2.4500e-003	1.0000e-005	9.7000e-004	1.0000e-005	9.8000e-004	2.6000e-004	1.0000e-005	2.6000e-004	0.0000	0.8035	0.8035	2.0000e-005	0.0000	0.8039
Total	**3.8000e-004**	**2.4000e-004**	**2.4500e-003**	**1.0000e-005**	**9.7000e-004**	**1.0000e-005**	**9.8000e-004**	**2.6000e-004**	**1.0000e-005**	**2.6000e-004**	**0.0000**	**0.8035**	**0.8035**	**2.0000e-005**	**0.0000**	**0.8039**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0116	0.1057	0.1200	1.8000e-004		6.6700e-003	6.6700e-003		6.1400e-003	6.1400e-003	0.0000	15.3793	15.3793	4.9700e-003	0.0000	15.5036
Total	**0.0116**	**0.1057**	**0.1200**	**1.8000e-004**		**6.6700e-003**	**6.6700e-003**		**6.1400e-003**	**6.1400e-003**	**0.0000**	**15.3793**	**15.3793**	**4.9700e-003**	**0.0000**	**15.5036**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.8000e-004	2.4000e-004	2.4500e-003	1.0000e-005	9.7000e-004	1.0000e-005	9.8000e-004	2.6000e-004	1.0000e-005	2.6000e-004	0.0000	0.8035	0.8035	2.0000e-005	0.0000	0.8039
Total	**3.8000e-004**	**2.4000e-004**	**2.4500e-003**	**1.0000e-005**	**9.7000e-004**	**1.0000e-005**	**9.8000e-004**	**2.6000e-004**	**1.0000e-005**	**2.6000e-004**	**0.0000**	**0.8035**	**0.8035**	**2.0000e-005**	**0.0000**	**0.8039**

3.12 Building B and C - Building Construction - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.2217	1.7452	1.7152	2.9900e-003		0.0839	0.0839		0.0804	0.0804	0.0000	248.1777	248.1777	0.0479	0.0000	249.3747
Total	**0.2217**	**1.7452**	**1.7152**	**2.9900e-003**		**0.0839**	**0.0839**		**0.0804**	**0.0804**	**0.0000**	**248.1777**	**248.1777**	**0.0479**	**0.0000**	**249.3747**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	7.8300e-003	0.2254	0.0797	6.2000e-004	0.0156	5.0000e-004	0.0161	4.5200e-003	4.7000e-004	4.9900e-003	0.0000	60.2340	60.2340	2.8200e-003	0.0000	60.3045
Worker	0.0190	0.0120	0.1237	4.5000e-004	0.0490	3.2000e-004	0.0493	0.0130	2.9000e-004	0.0133	0.0000	40.5939	40.5939	8.3000e-004	0.0000	40.6148
Total	**0.0268**	**0.2373**	**0.2034**	**1.0700e-003**	**0.0646**	**8.2000e-004**	**0.0654**	**0.0176**	**7.6000e-004**	**0.0183**	**0.0000**	**100.8279**	**100.8279**	**3.6500e-003**	**0.0000**	**100.9193**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.2217	1.7452	1.7152	2.9900e-003		0.0839	0.0839		0.0804	0.0804	0.0000	248.1774	248.1774	0.0479	0.0000	249.3744
Total	**0.2217**	**1.7452**	**1.7152**	**2.9900e-003**		**0.0839**	**0.0839**		**0.0804**	**0.0804**	**0.0000**	**248.1774**	**248.1774**	**0.0479**	**0.0000**	**249.3744**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	7.8300e-003	0.2254	0.0797	6.2000e-004	0.0156	5.0000e-004	0.0161	4.5200e-003	4.7000e-004	4.9900e-003	0.0000	60.2340	60.2340	2.8200e-003	0.0000	60.3045
Worker	0.0190	0.0120	0.1237	4.5000e-004	0.0490	3.2000e-004	0.0493	0.0130	2.9000e-004	0.0133	0.0000	40.5939	40.5939	8.3000e-004	0.0000	40.6148
Total	**0.0268**	**0.2373**	**0.2034**	**1.0700e-003**	**0.0646**	**8.2000e-004**	**0.0654**	**0.0176**	**7.6000e-004**	**0.0183**	**0.0000**	**100.8279**	**100.8279**	**3.6500e-003**	**0.0000**	**100.9193**

3.12 Building B and C - Building Construction - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0189	0.1499	0.1564	2.8000e-004		6.7500e-003	6.7500e-003		6.4700e-003	6.4700e-003	0.0000	22.8472	22.8472	4.3200e-003	0.0000	22.9553
Total	**0.0189**	**0.1499**	**0.1564**	**2.8000e-004**		**6.7500e-003**	**6.7500e-003**		**6.4700e-003**	**6.4700e-003**	**0.0000**	**22.8472**	**22.8472**	**4.3200e-003**	**0.0000**	**22.9553**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	5.7000e-004	0.0162	6.7100e-003	6.0000e-005	1.4400e-003	2.0000e-005	1.4600e-003	4.2000e-004	2.0000e-005	4.4000e-004	0.0000	5.3998	5.3998	2.4000e-004	0.0000	5.4057
Worker	1.6400e-003	9.9000e-004	0.0105	4.0000e-005	4.5100e-003	3.0000e-005	4.5300e-003	1.2000e-003	3.0000e-005	1.2300e-003	0.0000	3.5939	3.5939	7.0000e-005	0.0000	3.5957
Total	**2.2100e-003**	**0.0172**	**0.0172**	**1.0000e-004**	**5.9500e-003**	**5.0000e-005**	**5.9900e-003**	**1.6200e-003**	**5.0000e-005**	**1.6700e-003**	**0.0000**	**8.9937**	**8.9937**	**3.1000e-004**	**0.0000**	**9.0014**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0189	0.1499	0.1564	2.8000e-004		6.7500e-003	6.7500e-003		6.4700e-003	6.4700e-003	0.0000	22.8472	22.8472	4.3200e-003	0.0000	22.9552
Total	**0.0189**	**0.1499**	**0.1564**	**2.8000e-004**		**6.7500e-003**	**6.7500e-003**		**6.4700e-003**	**6.4700e-003**	**0.0000**	**22.8472**	**22.8472**	**4.3200e-003**	**0.0000**	**22.9552**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	5.7000e-004	0.0162	6.7100e-003	6.0000e-005	1.4400e-003	2.0000e-005	1.4600e-003	4.2000e-004	2.0000e-005	4.4000e-004	0.0000	5.3998	5.3998	2.4000e-004	0.0000	5.4057
Worker	1.6400e-003	9.9000e-004	0.0105	4.0000e-005	4.5100e-003	3.0000e-005	4.5300e-003	1.2000e-003	3.0000e-005	1.2300e-003	0.0000	3.5939	3.5939	7.0000e-005	0.0000	3.5957
Total	**2.2100e-003**	**0.0172**	**0.0172**	**1.0000e-004**	**5.9500e-003**	**5.0000e-005**	**5.9900e-003**	**1.6200e-003**	**5.0000e-005**	**1.6700e-003**	**0.0000**	**8.9937**	**8.9937**	**3.1000e-004**	**0.0000**	**9.0014**

3.13 Site Work - Grading 2 - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.3604	0.0000	0.3604	0.1852	0.0000	0.1852	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0847	0.9341	0.5071	1.1300e-003		0.0408	0.0408		0.0376	0.0376	0.0000	99.5649	99.5649	0.0322	0.0000	100.3700
Total	**0.0847**	**0.9341**	**0.5071**	**1.1300e-003**	**0.3604**	**0.0408**	**0.4012**	**0.1852**	**0.0376**	**0.2228**	**0.0000**	**99.5649**	**99.5649**	**0.0322**	**0.0000**	**100.3700**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	2.9000e-004	0.0109	3.0900e-003	3.0000e-005	5.2000e-004	2.0000e-005	5.4000e-004	1.4000e-004	2.0000e-005	1.7000e-004	0.0000	2.6018	2.6018	1.7000e-004	0.0000	2.6059
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.6800e-003	1.0600e-003	0.0109	4.0000e-005	4.3300e-003	3.0000e-005	4.3600e-003	1.1500e-003	3.0000e-005	1.1800e-003	0.0000	3.5930	3.5930	7.0000e-005	0.0000	3.5948
Total	**1.9700e-003**	**0.0120**	**0.0140**	**7.0000e-005**	**4.8500e-003**	**5.0000e-005**	**4.9000e-003**	**1.2900e-003**	**5.0000e-005**	**1.3500e-003**	**0.0000**	**6.1948**	**6.1948**	**2.4000e-004**	**0.0000**	**6.2007**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					0.1622	0.0000	0.1622	0.0834	0.0000	0.0834	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0847	0.9341	0.5071	1.1300e-003		0.0408	0.0408		0.0376	0.0376	0.0000	99.5648	99.5648	0.0322	0.0000	100.3698
Total	**0.0847**	**0.9341**	**0.5071**	**1.1300e-003**	**0.1622**	**0.0408**	**0.2030**	**0.0834**	**0.0376**	**0.1209**	**0.0000**	**99.5648**	**99.5648**	**0.0322**	**0.0000**	**100.3698**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	2.9000e-004	0.0109	3.0900e-003	3.0000e-005	5.2000e-004	2.0000e-005	5.4000e-004	1.4000e-004	2.0000e-005	1.7000e-004	0.0000	2.6018	2.6018	1.7000e-004	0.0000	2.6059
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.6800e-003	1.0600e-003	0.0109	4.0000e-005	4.3300e-003	3.0000e-005	4.3600e-003	1.1500e-003	3.0000e-005	1.1800e-003	0.0000	3.5930	3.5930	7.0000e-005	0.0000	3.5948
Total	**1.9700e-003**	**0.0120**	**0.0140**	**7.0000e-005**	**4.8500e-003**	**5.0000e-005**	**4.9000e-003**	**1.2900e-003**	**5.0000e-005**	**1.3500e-003**	**0.0000**	**6.1948**	**6.1948**	**2.4000e-004**	**0.0000**	**6.2007**

3.14 Building B and C - Paving - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0202	0.2006	0.2515	3.8000e-004		0.0105	0.0105		9.6700e-003	9.6700e-003	0.0000	33.3466	33.3466	0.0106	0.0000	33.6108
Paving	1.4700e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0217**	**0.2006**	**0.2515**	**3.8000e-004**		**0.0105**	**0.0105**		**9.6700e-003**	**9.6700e-003**	**0.0000**	**33.3466**	**33.3466**	**0.0106**	**0.0000**	**33.6108**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	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	1.0500e-003	6.6000e-004	6.8500e-003	2.0000e-005	2.7100e-003	2.0000e-005	2.7300e-003	7.2000e-004	2.0000e-005	7.4000e-004	0.0000	2.2472	2.2472	5.0000e-005	0.0000	2.2484
Total	**1.0500e-003**	**6.6000e-004**	**6.8500e-003**	**2.0000e-005**	**2.7100e-003**	**2.0000e-005**	**2.7300e-003**	**7.2000e-004**	**2.0000e-005**	**7.4000e-004**	**0.0000**	**2.2472**	**2.2472**	**5.0000e-005**	**0.0000**	**2.2484**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0202	0.2006	0.2515	3.8000e-004		0.0105	0.0105		9.6700e-003	9.6700e-003	0.0000	33.3466	33.3466	0.0106	0.0000	33.6108
Paving	1.4700e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0217**	**0.2006**	**0.2515**	**3.8000e-004**		**0.0105**	**0.0105**		**9.6700e-003**	**9.6700e-003**	**0.0000**	**33.3466**	**33.3466**	**0.0106**	**0.0000**	**33.6108**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	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	1.0500e-003	6.6000e-004	6.8500e-003	2.0000e-005	2.7100e-003	2.0000e-005	2.7300e-003	7.2000e-004	2.0000e-005	7.4000e-004	0.0000	2.2472	2.2472	5.0000e-005	0.0000	2.2484
Total	**1.0500e-003**	**6.6000e-004**	**6.8500e-003**	**2.0000e-005**	**2.7100e-003**	**2.0000e-005**	**2.7300e-003**	**7.2000e-004**	**2.0000e-005**	**7.4000e-004**	**0.0000**	**2.2472**	**2.2472**	**5.0000e-005**	**0.0000**	**2.2484**

3.15 Building B and C - Finish Work - 2023

Unmitigated Construction On-Site

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

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.5500e-003	9.3000e-004	9.8700e-003	4.0000e-005	4.2500e-003	3.0000e-005	4.2800e-003	1.1300e-003	2.0000e-005	1.1600e-003	0.0000	3.3929	3.3929	6.0000e-005	0.0000	3.3945
Total	**1.5500e-003**	**9.3000e-004**	**9.8700e-003**	**4.0000e-005**	**4.2500e-003**	**3.0000e-005**	**4.2800e-003**	**1.1300e-003**	**2.0000e-005**	**1.1600e-003**	**0.0000**	**3.3929**	**3.3929**	**6.0000e-005**	**0.0000**	**3.3945**

Mitigated Construction On-Site

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

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.5500e-003	9.3000e-004	9.8700e-003	4.0000e-005	4.2500e-003	3.0000e-005	4.2800e-003	1.1300e-003	2.0000e-005	1.1600e-003	0.0000	3.3929	3.3929	6.0000e-005	0.0000	3.3945
Total	**1.5500e-003**	**9.3000e-004**	**9.8700e-003**	**4.0000e-005**	**4.2500e-003**	**3.0000e-005**	**4.2800e-003**	**1.1300e-003**	**2.0000e-005**	**1.1600e-003**	**0.0000**	**3.3929**	**3.3929**	**6.0000e-005**	**0.0000**	**3.3945**

3.16 Building B and C - Architectural Coating - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.3455					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	4.1200e-003	0.0280	0.0389	6.0000e-005		1.5200e-003	1.5200e-003		1.5200e-003	1.5200e-003	0.0000	5.4895	5.4895	3.3000e-004	0.0000	5.4977
Total	**0.3496**	**0.0280**	**0.0389**	**6.0000e-005**		**1.5200e-003**	**1.5200e-003**		**1.5200e-003**	**1.5200e-003**	**0.0000**	**5.4895**	**5.4895**	**3.3000e-004**	**0.0000**	**5.4977**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	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	6.2000e-004	3.7000e-004	3.9300e-003	1.0000e-005	1.6900e-003	1.0000e-005	1.7000e-003	4.5000e-004	1.0000e-005	4.6000e-004	0.0000	1.3509	1.3509	3.0000e-005	0.0000	1.3515
Total	**6.2000e-004**	**3.7000e-004**	**3.9300e-003**	**1.0000e-005**	**1.6900e-003**	**1.0000e-005**	**1.7000e-003**	**4.5000e-004**	**1.0000e-005**	**4.6000e-004**	**0.0000**	**1.3509**	**1.3509**	**3.0000e-005**	**0.0000**	**1.3515**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.3455					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	4.1200e-003	0.0280	0.0389	6.0000e-005		1.5200e-003	1.5200e-003		1.5200e-003	1.5200e-003	0.0000	5.4895	5.4895	3.3000e-004	0.0000	5.4977
Total	**0.3496**	**0.0280**	**0.0389**	**6.0000e-005**		**1.5200e-003**	**1.5200e-003**		**1.5200e-003**	**1.5200e-003**	**0.0000**	**5.4895**	**5.4895**	**3.3000e-004**	**0.0000**	**5.4977**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	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	6.2000e-004	3.7000e-004	3.9300e-003	1.0000e-005	1.6900e-003	1.0000e-005	1.7000e-003	4.5000e-004	1.0000e-005	4.6000e-004	0.0000	1.3509	1.3509	3.0000e-005	0.0000	1.3515
Total	**6.2000e-004**	**3.7000e-004**	**3.9300e-003**	**1.0000e-005**	**1.6900e-003**	**1.0000e-005**	**1.7000e-003**	**4.5000e-004**	**1.0000e-005**	**4.6000e-004**	**0.0000**	**1.3509**	**1.3509**	**3.0000e-005**	**0.0000**	**1.3515**

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	0.1247	0.4081	1.4924	5.6700e-003	0.5758	5.4000e-003	0.5812	0.1544	5.0500e-003	0.1595	0.0000	518.8252	518.8252	0.0161	0.0000	519.2268
Unmitigated	0.1247	0.4081	1.4924	5.6700e-003	0.5758	5.4000e-003	0.5812	0.1544	5.0500e-003	0.1595	0.0000	518.8252	518.8252	0.0161	0.0000	519.2268

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
General Light Industry	706.21	133.80	68.91	1,557,254	1,557,254
Other Non-Asphalt Surfaces	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Total	706.21	133.80	68.91	1,557,254	1,557,254

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
General Light Industry	9.50	7.30	7.30	59.00	28.00	13.00	92	5	3
Other Non-Asphalt Surfaces	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0
Parking Lot	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
General Light Industry	0.598301	0.039360	0.198316	0.109153	0.015323	0.005191	0.010619	0.011654	0.002041	0.002927	0.005696	0.000707	0.000711
Other Non-Asphalt Surfaces	0.598301	0.039360	0.198316	0.109153	0.015323	0.005191	0.010619	0.011654	0.002041	0.002927	0.005696	0.000707	0.000711
Parking Lot	0.598301	0.039360	0.198316	0.109153	0.015323	0.005191	0.010619	0.011654	0.002041	0.002927	0.005696	0.000707	0.000711

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Exceed Title 24

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	35.4280	35.4280	1.5500e-003	3.4000e-004	35.5692
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	37.1341	37.1341	1.6200e-003	3.6000e-004	37.2821
NaturalGas Mitigated	5.2600e-003	0.0478	0.0402	2.9000e-004		3.6300e-003	3.6300e-003		3.6300e-003	3.6300e-003	0.0000	52.0601	52.0601	1.0000e-003	9.5000e-004	52.3694
NaturalGas Unmitigated	6.7100e-003	0.0610	0.0513	3.7000e-004		4.6400e-003	4.6400e-003		4.6400e-003	4.6400e-003	0.0000	66.4339	66.4339	1.2700e-003	1.2200e-003	66.8287

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
General Light Industry	1.24493e+006	6.7100e-003	0.0610	0.0513	3.7000e-004		4.6400e-003	4.6400e-003		4.6400e-003	4.6400e-003	0.0000	66.4339	66.4339	1.2700e-003	1.2200e-003	66.8287
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total		**6.7100e-003**	**0.0610**	**0.0513**	**3.7000e-004**		**4.6400e-003**	**4.6400e-003**		**4.6400e-003**	**4.6400e-003**	**0.0000**	**66.4339**	**66.4339**	**1.2700e-003**	**1.2200e-003**	**66.8287**

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
General Light Industry	975569	5.2600e-003	0.0478	0.0402	2.9000e-004		3.6300e-003	3.6300e-003		3.6300e-003	3.6300e-003	0.0000	52.0601	52.0601	1.0000e-003	9.5000e-004	52.3694
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total		**5.2600e-003**	**0.0478**	**0.0402**	**2.9000e-004**		**3.6300e-003**	**3.6300e-003**		**3.6300e-003**	**3.6300e-003**	**0.0000**	**52.0601**	**52.0601**	**1.0000e-003**	**9.5000e-004**	**52.3694**

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
General Light Industry	380268	35.5323	1.5500e-003	3.4000e-004	35.6739
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	17142.6	1.6018	7.0000e-005	2.0000e-005	1.6082
Total		**37.1341**	**1.6200e-003**	**3.6000e-004**	**37.2821**

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
General Light Industry	362009	33.8261	1.4800e-003	3.3000e-004	33.9610
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	17142.6	1.6018	7.0000e-005	2.0000e-005	1.6082
Total		**35.4280**	**1.5500e-003**	**3.5000e-004**	**35.5691**

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	0.2289	1.0000e-005	1.4600e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	2.8400e-003	2.8400e-003	1.0000e-005	0.0000	3.0200e-003
Unmitigated	0.2289	1.0000e-005	1.4600e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	2.8400e-003	2.8400e-003	1.0000e-005	0.0000	3.0200e-003

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	0.0277					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.2011					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	1.3000e-004	1.0000e-005	1.4600e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	2.8400e-003	2.8400e-003	1.0000e-005	0.0000	3.0200e-003
Total	**0.2289**	**1.0000e-005**	**1.4600e-003**	**0.0000**		**1.0000e-005**	**1.0000e-005**		**1.0000e-005**	**1.0000e-005**	**0.0000**	**2.8400e-003**	**2.8400e-003**	**1.0000e-005**	**0.0000**	**3.0200e-003**

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	0.0277					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.2011					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	1.3000e-004	1.0000e-005	1.4600e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	2.8400e-003	2.8400e-003	1.0000e-005	0.0000	3.0200e-003
Total	**0.2289**	**1.0000e-005**	**1.4600e-003**	**0.0000**		**1.0000e-005**	**1.0000e-005**		**1.0000e-005**	**1.0000e-005**	**0.0000**	**2.8400e-003**	**2.8400e-003**	**1.0000e-005**	**0.0000**	**3.0200e-003**

7.0 Water Detail

7.1 Mitigation Measures Water

Apply Water Conservation Strategy

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	7.6571	0.3034	7.2100e-003	17.3899
Unmitigated	9.5714	0.3793	9.0100e-003	21.7374

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
General Light Industry	11.6319 / 0	9.5714	0.3793	9.0100e-003	21.7374
Other Non-Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		**9.5714**	**0.3793**	**9.0100e-003**	**21.7374**

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
General Light Industry	9.3055 / 0	7.6571	0.3034	7.2100e-003	17.3899
Other Non-Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		**7.6571**	**0.3034**	**7.2100e-003**	**17.3899**

8.0 Waste Detail

8.1 Mitigation Measures Waste

Institute Recycling and Composting Services

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	6.3303	0.3741	0.0000	15.6830
Unmitigated	12.6606	0.7482	0.0000	31.3660

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
General Light Industry	62.37	12.6606	0.7482	0.0000	31.3660
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Total		**12.6606**	**0.7482**	**0.0000**	**31.3660**

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
General Light Industry	31.185	6.3303	0.3741	0.0000	15.6830
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Total		**6.3303**	**0.3741**	**0.0000**	**15.6830**

CalEEMod Version: CalEEMod.2016.3.2

Date: 1/19/2021 10:04 AM

70-74 Liberty Way Project
Marin County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Light Industry	50.30	1000sqft	1.15	50,300.00	0
Other Non-Asphalt Surfaces	0.52	Acre	0.52	22,589.00	0
Parking Lot	108.00	Space	1.12	48,979.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	69
Climate Zone	5			**Operational Year**	2024
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity (lb/MWhr)	206	**CH4 Intensity (lb/MWhr)**	0.009	**N2O Intensity (lb/MWhr)**	0.002

1.3 User Entered Comments & Non-Default Data

Project Characteristics - 70-74 Liberty Way Project. Adjusted intensity factors based on PG&E 2020 Corporate Sustainability Report.

Land Use - Three buildings totaling 50,300 sf, 22,589 sf of landscaping, and 108 parking spaces (48,979 sf).

Construction Phase - Construction would begin March 2020 and would occur over 42 months.

Off-road Equipment - Default equipment.

Off-road Equipment - Default equipment.

Off-road Equipment - Assume no equipment.

Off-road Equipment - Default equipment.

Off-road Equipment - Added bore/drill rig for pile driving.

Off-road Equipment - Added trencher and excavator for utility work.

Off-road Equipment - Default equipment.

Off-road Equipment - Default equipment.

Off-road Equipment - Assume no equipment.

Off-road Equipment - Default equipment.

Off-road Equipment - Added bore/drill rig for pile driving.

Off-road Equipment - Added trencher and excavator for utility work.

Off-road Equipment - Default equipment.

Off-road Equipment - Default equipment.

Off-road Equipment - Default equipment.

Trips and VMT - Rounded trips. Updated haul trips to account for offsite haul of debris and trip distance (8.8 miles).

Grading - 1,950 cy of soil export divided between both Pile Driving/Grading phases.

Architectural Coating - Exterior Painted metal will meet VOC 250 g/L (Industrial Maintenance coatins & Rust preventative coatings)

Vehicle Trips - Updated trip rate per Traffic Analysis.

Construction Off-road Equipment Mitigation - Water exposed area twice daily.

Energy Mitigation - Comply with 2019 Title 24 Standards.

Water Mitigation - 20% reduction in water consumption consistent with CalGreen.

Waste Mitigation - Assume 50% waste diverted consistent with AB 939.

Energy Use - Default energy use inputs

Water And Wastewater - Default water and wasterwater inputs

Solid Waste - Default solid waste inputs

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	150.00	250.00
tblArchitecturalCoating	EF_Nonresidential_Exterior	150.00	250.00
tblArchitecturalCoating	EF_Parking	150.00	250.00
tblArchitecturalCoating	EF_Parking	150.00	250.00
tblConstructionPhase	NumDays	10.00	43.00
tblConstructionPhase	NumDays	10.00	44.00
tblConstructionPhase	NumDays	220.00	261.00

tblConstructionPhase	NumDays	220.00	108.00
tblConstructionPhase	NumDays	220.00	240.00
tblConstructionPhase	NumDays	220.00	109.00
tblConstructionPhase	NumDays	6.00	110.00
tblConstructionPhase	NumDays	6.00	22.00
tblConstructionPhase	NumDays	6.00	110.00
tblConstructionPhase	NumDays	6.00	44.00
tblConstructionPhase	NumDays	10.00	43.00
tblConstructionPhase	NumDays	10.00	44.00
tblConstructionPhase	NumDays	3.00	22.00
tblGrading	AcresOfGrading	33.00	11.00
tblGrading	MaterialExported	0.00	975.00
tblGrading	MaterialExported	0.00	975.00
tblLandUse	LandUseSquareFeet	22,651.20	22,589.00
tblLandUse	LandUseSquareFeet	43,200.00	48,979.00
tblLandUse	LotAcreage	0.97	1.12
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblProjectCharacteristics	CH4IntensityFactor	0.029	0.009
tblProjectCharacteristics	CO2IntensityFactor	641.35	206
tblProjectCharacteristics	N2OIntensityFactor	0.006	0.002
tblTripsAndVMT	HaulingTripLength	20.00	8.80
tblTripsAndVMT	HaulingTripLength	20.00	8.80
tblTripsAndVMT	HaulingTripLength	20.00	8.80
tblTripsAndVMT	HaulingTripLength	20.00	8.80
tblTripsAndVMT	HaulingTripNumber	0.00	140.00
tblTripsAndVMT	HaulingTripNumber	0.00	140.00
tblTripsAndVMT	VendorTripNumber	20.00	0.00
tblTripsAndVMT	VendorTripNumber	20.00	0.00

tblTripsAndVMT	WorkerTripNumber	5.00	6.00
tblTripsAndVMT	WorkerTripNumber	51.00	52.00
tblTripsAndVMT	WorkerTripNumber	15.00	16.00
tblTripsAndVMT	WorkerTripNumber	51.00	10.00
tblTripsAndVMT	WorkerTripNumber	13.00	14.00
tblTripsAndVMT	WorkerTripNumber	5.00	6.00
tblTripsAndVMT	WorkerTripNumber	51.00	52.00
tblTripsAndVMT	WorkerTripNumber	51.00	10.00
tblTripsAndVMT	WorkerTripNumber	15.00	16.00
tblTripsAndVMT	WorkerTripNumber	13.00	14.00
tblVehicleTrips	ST_TR	1.32	2.66
tblVehicleTrips	SU_TR	0.68	1.37
tblVehicleTrips	WD_TR	6.97	14.04

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2020	3.2474	25.9345	23.0560	0.0438	6.7150	1.3636	7.7972	3.4104	1.2915	4.4062	0.0000	4,169.9641	4,169.9641	0.9207	0.0000	4,189.2416
2021	17.8546	38.5530	26.7421	0.0572	7.2889	1.7420	9.0308	3.5660	1.6340	5.2000	0.0000	5,482.9308	5,482.9308	1.1380	0.0000	5,511.3804
2022	3.6607	33.7495	28.1501	0.0562	7.2068	1.4522	8.6589	3.5442	1.3632	4.9075	0.0000	5,378.5489	5,378.5489	1.1816	0.0000	5,406.6880
2023	16.3182	15.1772	16.0270	0.0348	0.6446	0.6187	1.2634	0.1740	0.5928	0.7669	0.0000	3,297.4911	3,297.4911	0.4653	0.0000	3,309.1229
Maximum	**17.8546**	**38.5530**	**28.1501**	**0.0572**	**7.2889**	**1.7420**	**9.0308**	**3.5660**	**1.6340**	**5.2000**	**0.0000**	**5,482.9308**	**5,482.9308**	**1.1816**	**0.0000**	**5,511.3804**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2020	3.2474	25.9345	23.0560	0.0438	3.1085	1.3636	4.1907	1.5579	1.2915	2.5537	0.0000	4,169.9641	4,169.9641	0.9207	0.0000	4,189.2416
2021	17.8546	38.5530	26.7421	0.0572	3.6851	1.7420	5.4270	1.7139	1.6340	3.3479	0.0000	5,482.9308	5,482.9308	1.1380	0.0000	5,511.3804
2022	3.6607	33.7495	28.1501	0.0562	3.6030	1.4522	5.0551	1.6921	1.3632	3.0553	0.0000	5,378.5489	5,378.5489	1.1816	0.0000	5,406.6880
2023	16.3182	15.1772	16.0270	0.0348	0.6446	0.6187	1.2634	0.1740	0.5928	0.7669	0.0000	3,297.4911	3,297.4911	0.4653	0.0000	3,309.1229
Maximum	**17.8546**	**38.5530**	**28.1501**	**0.0572**	**3.6851**	**1.7420**	**5.4270**	**1.7139**	**1.6340**	**3.3479**	**0.0000**	**5,482.9308**	**5,482.9308**	**1.1816**	**0.0000**	**5,511.3804**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**49.48**	**0.00**	**40.43**	**51.96**	**0.00**	**36.37**	**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	1.2552	1.5000e-004	0.0162	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0348	0.0348	9.0000e-005		0.0370
Energy	0.0368	0.3344	0.2809	2.0100e-003		0.0254	0.0254		0.0254	0.0254		401.2651	401.2651	7.6900e-003	7.3600e-003	403.6496
Mobile	1.0320	2.8198	11.3721	0.0439	4.3660	0.0393	4.4053	1.1667	0.0367	1.2035		4,423.5188	4,423.5188	0.1309		4,426.7917
Total	**2.3239**	**3.1543**	**11.6692**	**0.0459**	**4.3660**	**0.0648**	**4.4307**	**1.1667**	**0.0622**	**1.2289**		**4,824.8187**	**4,824.8187**	**0.1387**	**7.3600e-003**	**4,830.4783**

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	1.2552	1.5000e-004	0.0162	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0348	0.0348	9.0000e-005		0.0370
Energy	0.0288	0.2620	0.2201	1.5700e-003		0.0199	0.0199		0.0199	0.0199		314.4459	314.4459	6.0300e-003	5.7600e-003	316.3145
Mobile	1.0320	2.8198	11.3721	0.0439	4.3660	0.0393	4.4053	1.1667	0.0367	1.2035		4,423.5188	4,423.5188	0.1309		4,426.7917
Total	**2.3159**	**3.0819**	**11.6084**	**0.0455**	**4.3660**	**0.0593**	**4.4252**	**1.1667**	**0.0567**	**1.2234**		**4,737.9995**	**4,737.9995**	**0.1370**	**5.7600e-003**	**4,743.1432**

	ROG	NOx	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	**0.34**	**2.29**	**0.52**	**0.96**	**0.00**	**8.49**	**0.12**	**0.00**	**8.84**	**0.45**	**0.00**	**1.80**	**1.80**	**1.20**	**21.74**	**1.81**

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Work - Site Preparation	Site Preparation	3/1/2020	3/31/2020	5	22	
2	Building A - Pile Driving/Grading	Grading	4/1/2020	4/30/2020	5	22	
3	Building A - Utilities	Trenching	5/1/2020	6/30/2020	5	43	
4	Building A - Building Construction	Building Construction	6/1/2020	4/30/2021	5	240	
5	Site Work - Grading 1	Grading	3/1/2021	7/31/2021	5	110	
6	Building A - Finish Work	Building Construction	4/1/2021	8/31/2021	5	109	
7	Building A - Architectural Coating	Architectural Coating	6/1/2021	7/31/2021	5	44	
8	Building A - Paving	Paving	8/1/2021	9/30/2021	5	44	
9	Building B and C - Pile Driving/Grading	Grading	12/1/2021	1/31/2022	5	44	
10	Building B and C - Utilities	Trenching	1/1/2022	2/28/2022	5	41	
11	Building B and C - Building Construction	Building Construction	2/1/2022	1/31/2023	5	261	
12	Site Work - Grading 2	Grading	5/1/2022	9/30/2022	5	110	
13	Building B and C - Paving	Paving	10/1/2022	11/30/2022	5	43	
14	Building B and C - Finish Work	Building Construction	1/1/2023	5/31/2023	5	108	
15	Building B and C - Architectural Coating	Architectural Coating	2/1/2023	3/31/2023	5	43	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 1.64

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 75,450; Non-Residential Outdoor: 25,150; Striped Parking Area:

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Work - Site Preparation	Graders	1	8.00	187	0.41
Site Work - Site Preparation	Scrapers	1	8.00	367	0.48
Site Work - Site Preparation	Tractors/Loaders/Backhoes	1	7.00	97	0.37
Building A - Pile Driving/Grading	Bore/Drill Rigs	1	7.00	221	0.50
Building A - Pile Driving/Grading	Graders	1	8.00	187	0.41
Building A - Pile Driving/Grading	Rubber Tired Dozers	1	8.00	247	0.40
Building A - Pile Driving/Grading	Tractors/Loaders/Backhoes	2	7.00	97	0.37
Building A - Utilities	Excavators	1	8.00	158	0.38
Building A - Utilities	Trenchers	1	8.00	78	0.50
Building A - Building Construction	Cranes	1	8.00	231	0.29
Building A - Building Construction	Forklifts	2	7.00	89	0.20
Building A - Building Construction	Generator Sets	1	8.00	84	0.74
Building A - Building Construction	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Building A - Building Construction	Welders	3	8.00	46	0.45
Site Work - Grading 1	Graders	1	8.00	187	0.41
Site Work - Grading 1	Rubber Tired Dozers	1	8.00	247	0.40
Site Work - Grading 1	Tractors/Loaders/Backhoes	2	7.00	97	0.37
Building A - Finish Work	Cranes	0	0.00	231	0.29
Building A - Architectural Coating	Air Compressors	1	6.00	78	0.48
Building A - Paving	Cement and Mortar Mixers	1	8.00	9	0.56
Building A - Paving	Pavers	1	8.00	130	0.42
Building A - Paving	Paving Equipment	1	8.00	132	0.36
Building A - Paving	Rollers	2	8.00	80	0.38
Building A - Paving	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Building B and C - Pile Driving/Grading	Bore/Drill Rigs	1	7.00	221	0.50
Building B and C - Pile Driving/Grading	Graders	1	8.00	187	0.41
Building B and C - Pile Driving/Grading	Rubber Tired Dozers	1	8.00	247	0.40
Building B and C - Pile Driving/Grading	Tractors/Loaders/Backhoes	2	7.00	97	0.37

Building B and C - Utilities	Excavators	1	8.00	158	0.38
Building B and C - Utilities	Trenchers	1	8.00	78	0.50
Building B and C - Building Construction	Cranes	1	8.00	231	0.29
Building B and C - Building Construction	Forklifts	2	7.00	89	0.20
Building B and C - Building Construction	Generator Sets	1	8.00	84	0.74
Building B and C - Building Construction	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Building B and C - Building Construction	Welders	3	8.00	46	0.45
Site Work - Grading 2	Graders	1	8.00	187	0.41
Site Work - Grading 2	Rubber Tired Dozers	1	8.00	247	0.40
Site Work - Grading 2	Tractors/Loaders/Backhoes	2	7.00	97	0.37
Building B and C - Paving	Cement and Mortar Mixers	1	8.00	9	0.56
Building B and C - Paving	Pavers	1	8.00	130	0.42
Building B and C - Paving	Paving Equipment	1	8.00	132	0.36
Building B and C - Paving	Rollers	2	8.00	80	0.38
Building B and C - Paving	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Building B and C - Finish Work	Cranes	0	0.00	231	0.29
Building B and C - Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Site Work - Site Preparation	3	8.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building A - Pile Driving/Grading	5	14.00	0.00	122.00	10.80	7.30	8.80	LD_Mix	HDT_Mix	HHDT
Building A - Utilities	2	6.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building A - Building Construction	8	52.00	20.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Site Work - Grading 1	4	10.00	0.00	140.00	10.80	7.30	8.80	LD_Mix	HDT_Mix	HHDT
Building A - Finish Work	0	10.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building A - Architectural Coating	1	10.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building A - Paving	6	16.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building B and C - Pile Driving/Grading	5	14.00	0.00	122.00	10.80	7.30	8.80	LD_Mix	HDT_Mix	HHDT
Building B and C - Utilities	2	6.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building B and C - Building Construction	8	52.00	20.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Site Work - Grading 2	4	10.00	0.00	140.00	10.80	7.30	8.80	LD_Mix	HDT_Mix	HHDT
Building B and C - Paving	6	16.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building B and C - Finish Work	0	10.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building B and C - Architectural Coating	1	10.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

3.2 Site Work - Site Preparation - 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					0.5303	0.0000	0.5303	0.0573	0.0000	0.0573			0.0000			0.0000
Off-Road	1.6521	19.9196	11.2678	0.0245		0.7771	0.7771		0.7149	0.7149		2,372.9062	2,372.9062	0.7675		2,392.0924
Total	**1.6521**	**19.9196**	**11.2678**	**0.0245**	**0.5303**	**0.7771**	**1.3073**	**0.0573**	**0.7149**	**0.7722**		**2,372.9062**	**2,372.9062**	**0.7675**		**2,392.0924**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	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	0.0289	0.0168	0.2044	6.7000e-004	0.0657	4.3000e-004	0.0662	0.0174	4.0000e-004	0.0178		66.6514	66.6514	1.5700e-003		66.6905
Total	**0.0289**	**0.0168**	**0.2044**	**6.7000e-004**	**0.0657**	**4.3000e-004**	**0.0662**	**0.0174**	**4.0000e-004**	**0.0178**		**66.6514**	**66.6514**	**1.5700e-003**		**66.6905**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					0.2386	0.0000	0.2386	0.0258	0.0000	0.0258			0.0000			0.0000
Off-Road	1.6521	19.9196	11.2678	0.0245		0.7771	0.7771		0.7149	0.7149	0.0000	2,372.9062	2,372.9062	0.7675		2,392.0924
Total	**1.6521**	**19.9196**	**11.2678**	**0.0245**	**0.2386**	**0.7771**	**1.0157**	**0.0258**	**0.7149**	**0.7407**	**0.0000**	**2,372.9062**	**2,372.9062**	**0.7675**		**2,392.0924**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	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	0.0289	0.0168	0.2044	6.7000e-004	0.0657	4.3000e-004	0.0662	0.0174	4.0000e-004	0.0178		66.6514	66.6514	1.5700e-003		66.6905
Total	**0.0289**	**0.0168**	**0.2044**	**6.7000e-004**	**0.0657**	**4.3000e-004**	**0.0662**	**0.0174**	**4.0000e-004**	**0.0178**		**66.6514**	**66.6514**	**1.5700e-003**		**66.6905**

3.3 Building A - Pile Driving/Grading - 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					6.5574	0.0000	6.5574	3.3682	0.0000	3.3682			0.0000			0.0000
Off-Road	2.1648	24.4238	11.7562	0.0288		1.0790	1.0790		0.9926	0.9926		2,792.4871	2,792.4871	0.9032		2,815.0658
Total	**2.1648**	**24.4238**	**11.7562**	**0.0288**	**6.5574**	**1.0790**	**7.6363**	**3.3682**	**0.9926**	**4.3609**		**2,792.4871**	**2,792.4871**	**0.9032**		**2,815.0658**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0266	0.9730	0.2623	2.1900e-003	0.0426	2.5300e-003	0.0452	0.0117	2.4200e-003	0.0141		235.6187	235.6187	0.0148		235.9883
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0506	0.0294	0.3577	1.1700e-003	0.1150	7.5000e-004	0.1158	0.0305	7.0000e-004	0.0312		116.6399	116.6399	2.7400e-003		116.7084
Total	**0.0772**	**1.0024**	**0.6200**	**3.3600e-003**	**0.1576**	**3.2800e-003**	**0.1609**	**0.0422**	**3.1200e-003**	**0.0453**		**352.2586**	**352.2586**	**0.0175**		**352.6967**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					2.9508	0.0000	2.9508	1.5157	0.0000	1.5157			0.0000			0.0000
Off-Road	2.1648	24.4238	11.7562	0.0288		1.0790	1.0790		0.9926	0.9926	0.0000	2,792.4871	2,792.4871	0.9032		2,815.0658
Total	**2.1648**	**24.4238**	**11.7562**	**0.0288**	**2.9508**	**1.0790**	**4.0298**	**1.5157**	**0.9926**	**2.5084**	**0.0000**	**2,792.4871**	**2,792.4871**	**0.9032**		**2,815.0658**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0266	0.9730	0.2623	2.1900e-003	0.0426	2.5300e-003	0.0452	0.0117	2.4200e-003	0.0141		235.6187	235.6187	0.0148		235.9883
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0506	0.0294	0.3577	1.1700e-003	0.1150	7.5000e-004	0.1158	0.0305	7.0000e-004	0.0312		116.6399	116.6399	2.7400e-003		116.7084
Total	**0.0772**	**1.0024**	**0.6200**	**3.3600e-003**	**0.1576**	**3.2800e-003**	**0.1609**	**0.0422**	**3.1200e-003**	**0.0453**		**352.2586**	**352.2586**	**0.0175**		**352.6967**

3.4 Building A - Utilities - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.6647	6.2092	5.9041	8.5400e-003		0.4011	0.4011		0.3690	0.3690		826.9305	826.9305	0.2675		833.6167
Total	**0.6647**	**6.2092**	**5.9041**	**8.5400e-003**		**0.4011**	**0.4011**		**0.3690**	**0.3690**		**826.9305**	**826.9305**	**0.2675**		**833.6167**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	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	0.0217	0.0126	0.1533	5.0000e-004	0.0493	3.2000e-004	0.0496	0.0131	3.0000e-004	0.0134		49.9885	49.9885	1.1700e-003		50.0179
Total	**0.0217**	**0.0126**	**0.1533**	**5.0000e-004**	**0.0493**	**3.2000e-004**	**0.0496**	**0.0131**	**3.0000e-004**	**0.0134**		**49.9885**	**49.9885**	**1.1700e-003**		**50.0179**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.6647	6.2092	5.9041	8.5400e-003		0.4011	0.4011		0.3690	0.3690	0.0000	826.9305	826.9305	0.2675		833.6167
Total	**0.6647**	**6.2092**	**5.9041**	**8.5400e-003**		**0.4011**	**0.4011**		**0.3690**	**0.3690**	**0.0000**	**826.9305**	**826.9305**	**0.2675**		**833.6167**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	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	0.0217	0.0126	0.1533	5.0000e-004	0.0493	3.2000e-004	0.0496	0.0131	3.0000e-004	0.0134		49.9885	49.9885	1.1700e-003		50.0179
Total	**0.0217**	**0.0126**	**0.1533**	**5.0000e-004**	**0.0493**	**3.2000e-004**	**0.0496**	**0.0131**	**3.0000e-004**	**0.0134**		**49.9885**	**49.9885**	**1.1700e-003**		**50.0179**

3.5 Building A - Building Construction - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.2879	17.4336	14.8972	0.0250		0.9482	0.9482		0.9089	0.9089		2,288.8877	2,288.8877	0.4646		2,300.5014
Total	**2.2879**	**17.4336**	**14.8972**	**0.0250**		**0.9482**	**0.9482**		**0.9089**	**0.9089**		**2,288.8877**	**2,288.8877**	**0.4646**		**2,300.5014**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	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	0.0851	2.1699	0.7727	5.3800e-003	0.1353	0.0112	0.1465	0.0389	0.0107	0.0496		570.9234	570.9234	0.0278		571.6173
Worker	0.1880	0.1092	1.3287	4.3500e-003	0.4272	2.8000e-003	0.4300	0.1133	2.5800e-003	0.1159		433.2339	433.2339	0.0102		433.4883
Total	**0.2731**	**2.2791**	**2.1013**	**9.7300e-003**	**0.5625**	**0.0140**	**0.5764**	**0.1522**	**0.0133**	**0.1655**		**1,004.1573**	**1,004.1573**	**0.0379**		**1,005.1057**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.2879	17.4336	14.8972	0.0250		0.9482	0.9482		0.9089	0.9089	0.0000	2,288.8877	2,288.8877	0.4646		2,300.5014
Total	**2.2879**	**17.4336**	**14.8972**	**0.0250**		**0.9482**	**0.9482**		**0.9089**	**0.9089**	**0.0000**	**2,288.8877**	**2,288.8877**	**0.4646**		**2,300.5014**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	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	0.0851	2.1699	0.7727	5.3800e-003	0.1353	0.0112	0.1465	0.0389	0.0107	0.0496		570.9234	570.9234	0.0278		571.6173
Worker	0.1880	0.1092	1.3287	4.3500e-003	0.4272	2.8000e-003	0.4300	0.1133	2.5800e-003	0.1159		433.2339	433.2339	0.0102		433.4883
Total	**0.2731**	**2.2791**	**2.1013**	**9.7300e-003**	**0.5625**	**0.0140**	**0.5764**	**0.1522**	**0.0133**	**0.1655**		**1,004.1573**	**1,004.1573**	**0.0379**		**1,005.1057**

3.5 Building A - Building Construction - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.0451	16.0275	14.5629	0.0250		0.8173	0.8173		0.7831	0.7831		2,288.9355	2,288.9355	0.4503		2,300.1935
Total	**2.0451**	**16.0275**	**14.5629**	**0.0250**		**0.8173**	**0.8173**		**0.7831**	**0.7831**		**2,288.9355**	**2,288.9355**	**0.4503**		**2,300.1935**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	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	0.0693	1.9670	0.6790	5.3200e-003	0.1353	4.6500e-003	0.1399	0.0389	4.4500e-003	0.0434		566.0325	566.0325	0.0263		566.6901
Worker	0.1750	0.0977	1.2163	4.1900e-003	0.4272	2.7200e-003	0.4299	0.1133	2.5100e-003	0.1158		418.0919	418.0919	9.1100e-003		418.3198
Total	**0.2443**	**2.0647**	**1.8953**	**9.5100e-003**	**0.5625**	**7.3700e-003**	**0.5698**	**0.1522**	**6.9600e-003**	**0.1592**		**984.1244**	**984.1244**	**0.0354**		**985.0099**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.0451	16.0275	14.5629	0.0250		0.8173	0.8173		0.7831	0.7831	0.0000	2,288.9355	2,288.9355	0.4503		2,300.1935
Total	**2.0451**	**16.0275**	**14.5629**	**0.0250**		**0.8173**	**0.8173**		**0.7831**	**0.7831**	**0.0000**	**2,288.9355**	**2,288.9355**	**0.4503**		**2,300.1935**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	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	0.0693	1.9670	0.6790	5.3200e-003	0.1353	4.6500e-003	0.1399	0.0389	4.4500e-003	0.0434		566.0325	566.0325	0.0263		566.6901
Worker	0.1750	0.0977	1.2163	4.1900e-003	0.4272	2.7200e-003	0.4299	0.1133	2.5100e-003	0.1158		418.0919	418.0919	9.1100e-003		418.3198
Total	**0.2443**	**2.0647**	**1.8953**	**9.5100e-003**	**0.5625**	**7.3700e-003**	**0.5698**	**0.1522**	**6.9600e-003**	**0.1592**		**984.1244**	**984.1244**	**0.0354**		**985.0099**

3.6 Site Work - Grading 1 - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.5523	0.0000	6.5523	3.3675	0.0000	3.3675			0.0000			0.0000
Off-Road	1.8271	20.2135	9.7604	0.0206		0.9158	0.9158		0.8425	0.8425		1,995.6114	1,995.6114	0.6454		2,011.7470
Total	**1.8271**	**20.2135**	**9.7604**	**0.0206**	**6.5523**	**0.9158**	**7.4681**	**3.3675**	**0.8425**	**4.2100**		**1,995.6114**	**1,995.6114**	**0.6454**		**2,011.7470**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	5.5800e-003	0.2096	0.0557	5.0000e-004	9.7800e-003	5.2000e-004	0.0103	2.6800e-003	4.9000e-004	3.1700e-003		53.4548	53.4548	3.3200e-003		53.5378
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0337	0.0188	0.2339	8.1000e-004	0.0822	5.2000e-004	0.0827	0.0218	4.8000e-004	0.0223		80.4023	80.4023	1.7500e-003		80.4461
Total	**0.0392**	**0.2284**	**0.2896**	**1.3100e-003**	**0.0919**	**1.0400e-003**	**0.0930**	**0.0245**	**9.7000e-004**	**0.0254**		**133.8571**	**133.8571**	**5.0700e-003**		**133.9839**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					2.9486	0.0000	2.9486	1.5154	0.0000	1.5154			0.0000			0.0000
Off-Road	1.8271	20.2135	9.7604	0.0206		0.9158	0.9158		0.8425	0.8425	0.0000	1,995.6114	1,995.6114	0.6454		2,011.7470
Total	**1.8271**	**20.2135**	**9.7604**	**0.0206**	**2.9486**	**0.9158**	**3.8643**	**1.5154**	**0.8425**	**2.3579**	**0.0000**	**1,995.6114**	**1,995.6114**	**0.6454**		**2,011.7470**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	5.5800e-003	0.2096	0.0557	5.0000e-004	9.7800e-003	5.2000e-004	0.0103	2.6800e-003	4.9000e-004	3.1700e-003		53.4548	53.4548	3.3200e-003		53.5378
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0337	0.0188	0.2339	8.1000e-004	0.0822	5.2000e-004	0.0827	0.0218	4.8000e-004	0.0223		80.4023	80.4023	1.7500e-003		80.4461
Total	**0.0392**	**0.2284**	**0.2896**	**1.3100e-003**	**0.0919**	**1.0400e-003**	**0.0930**	**0.0245**	**9.7000e-004**	**0.0254**		**133.8571**	**133.8571**	**5.0700e-003**		**133.9839**

3.7 Building A - Finish Work - 2021

Unmitigated Construction On-Site

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

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	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	0.0337	0.0188	0.2339	8.1000e-004	0.0822	5.2000e-004	0.0827	0.0218	4.8000e-004	0.0223		80.4023	80.4023	1.7500e-003		80.4461
Total	**0.0337**	**0.0188**	**0.2339**	**8.1000e-004**	**0.0822**	**5.2000e-004**	**0.0827**	**0.0218**	**4.8000e-004**	**0.0223**		**80.4023**	**80.4023**	**1.7500e-003**		**80.4461**

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	lb/day										lb/day					
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**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	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	0.0337	0.0188	0.2339	8.1000e-004	0.0822	5.2000e-004	0.0827	0.0218	4.8000e-004	0.0223		80.4023	80.4023	1.7500e-003		80.4461
Total	**0.0337**	**0.0188**	**0.2339**	**8.1000e-004**	**0.0822**	**5.2000e-004**	**0.0827**	**0.0218**	**4.8000e-004**	**0.0223**		**80.4023**	**80.4023**	**1.7500e-003**		**80.4461**

3.8 Building A - Architectural Coating - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	15.7021					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2189	1.5268	1.8176	2.9700e-003		0.0941	0.0941		0.0941	0.0941		281.4481	281.4481	0.0193		281.9309
Total	**15.9210**	**1.5268**	**1.8176**	**2.9700e-003**		**0.0941**	**0.0941**		**0.0941**	**0.0941**		**281.4481**	**281.4481**	**0.0193**		**281.9309**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	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	0.0337	0.0188	0.2339	8.1000e-004	0.0822	5.2000e-004	0.0827	0.0218	4.8000e-004	0.0223		80.4023	80.4023	1.7500e-003		80.4461
Total	**0.0337**	**0.0188**	**0.2339**	**8.1000e-004**	**0.0822**	**5.2000e-004**	**0.0827**	**0.0218**	**4.8000e-004**	**0.0223**		**80.4023**	**80.4023**	**1.7500e-003**		**80.4461**

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	lb/day										lb/day					
Archit. Coating	15.7021					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2189	1.5268	1.8176	2.9700e-003		0.0941	0.0941		0.0941	0.0941	0.0000	281.4481	281.4481	0.0193		281.9309
Total	**15.9210**	**1.5268**	**1.8176**	**2.9700e-003**		**0.0941**	**0.0941**		**0.0941**	**0.0941**	**0.0000**	**281.4481**	**281.4481**	**0.0193**		**281.9309**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	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	0.0337	0.0188	0.2339	8.1000e-004	0.0822	5.2000e-004	0.0827	0.0218	4.8000e-004	0.0223		80.4023	80.4023	1.7500e-003		80.4461
Total	**0.0337**	**0.0188**	**0.2339**	**8.1000e-004**	**0.0822**	**5.2000e-004**	**0.0827**	**0.0218**	**4.8000e-004**	**0.0223**		**80.4023**	**80.4023**	**1.7500e-003**		**80.4461**

3.9 Building A - Paving - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.0633	10.6478	11.7756	0.0178		0.5826	0.5826		0.5371	0.5371		1,709.1107	1,709.1107	0.5417		1,722.6524
Paving	0.0667					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.1300**	**10.6478**	**11.7756**	**0.0178**		**0.5826**	**0.5826**		**0.5371**	**0.5371**		**1,709.1107**	**1,709.1107**	**0.5417**		**1,722.6524**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	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	0.0539	0.0301	0.3743	1.2900e-003	0.1314	8.4000e-004	0.1323	0.0349	7.7000e-004	0.0356		128.6437	128.6437	2.8000e-003		128.7138
Total	**0.0539**	**0.0301**	**0.3743**	**1.2900e-003**	**0.1314**	**8.4000e-004**	**0.1323**	**0.0349**	**7.7000e-004**	**0.0356**		**128.6437**	**128.6437**	**2.8000e-003**		**128.7138**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.0633	10.6478	11.7756	0.0178		0.5826	0.5826		0.5371	0.5371	0.0000	1,709.1107	1,709.1107	0.5417		1,722.6524
Paving	0.0667					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.1300**	**10.6478**	**11.7756**	**0.0178**		**0.5826**	**0.5826**		**0.5371**	**0.5371**	**0.0000**	**1,709.1107**	**1,709.1107**	**0.5417**		**1,722.6524**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	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	0.0539	0.0301	0.3743	1.2900e-003	0.1314	8.4000e-004	0.1323	0.0349	7.7000e-004	0.0356		128.6437	128.6437	2.8000e-003		128.7138
Total	**0.0539**	**0.0301**	**0.3743**	**1.2900e-003**	**0.1314**	**8.4000e-004**	**0.1323**	**0.0349**	**7.7000e-004**	**0.0356**		**128.6437**	**128.6437**	**2.8000e-003**		**128.7138**

3.10 Building B and C - Pile Driving/Grading - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.5548	0.0000	6.5548	3.3679	0.0000	3.3679			0.0000			0.0000
Off-Road	2.0530	22.8585	11.5751	0.0288		0.9959	0.9959		0.9163	0.9163		2,793.6661	2,793.6661	0.9035		2,816.2543
Total	**2.0530**	**22.8585**	**11.5751**	**0.0288**	**6.5548**	**0.9959**	**7.5508**	**3.3679**	**0.9163**	**4.2841**		**2,793.6661**	**2,793.6661**	**0.9035**		**2,816.2543**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0122	0.4567	0.1213	1.0800e-003	0.0360	1.1200e-003	0.0372	9.4600e-003	1.0700e-003	0.0105		116.4552	116.4552	7.2300e-003		116.6360
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0471	0.0263	0.3275	1.1300e-003	0.1150	7.3000e-004	0.1157	0.0305	6.8000e-004	0.0312		112.5632	112.5632	2.4500e-003		112.6246
Total	**0.0593**	**0.4830**	**0.4488**	**2.2100e-003**	**0.1511**	**1.8500e-003**	**0.1529**	**0.0400**	**1.7500e-003**	**0.0417**		**229.0184**	**229.0184**	**9.6800e-003**		**229.2605**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					2.9497	0.0000	2.9497	1.5155	0.0000	1.5155			0.0000			0.0000
Off-Road	2.0530	22.8585	11.5751	0.0288		0.9959	0.9959		0.9163	0.9163	0.0000	2,793.6660	2,793.6660	0.9035		2,816.2543
Total	**2.0530**	**22.8585**	**11.5751**	**0.0288**	**2.9497**	**0.9959**	**3.9456**	**1.5155**	**0.9163**	**2.4318**	**0.0000**	**2,793.6660**	**2,793.6660**	**0.9035**		**2,816.2543**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0122	0.4567	0.1213	1.0800e-003	0.0360	1.1200e-003	0.0372	9.4600e-003	1.0700e-003	0.0105		116.4552	116.4552	7.2300e-003		116.6360
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0471	0.0263	0.3275	1.1300e-003	0.1150	7.3000e-004	0.1157	0.0305	6.8000e-004	0.0312		112.5632	112.5632	2.4500e-003		112.6246
Total	**0.0593**	**0.4830**	**0.4488**	**2.2100e-003**	**0.1511**	**1.8500e-003**	**0.1529**	**0.0400**	**1.7500e-003**	**0.0417**		**229.0184**	**229.0184**	**9.6800e-003**		**229.2605**

3.10 Building B and C - Pile Driving/Grading - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.5548	0.0000	6.5548	3.3679	0.0000	3.3679			0.0000			0.0000
Off-Road	1.7364	18.9667	11.0062	0.0289		0.8059	0.8059		0.7415	0.7415		2,794.8482	2,794.8482	0.9039		2,817.4459
Total	**1.7364**	**18.9667**	**11.0062**	**0.0289**	**6.5548**	**0.8059**	**7.3608**	**3.3679**	**0.7415**	**4.1093**		**2,794.8482**	**2,794.8482**	**0.9039**		**2,817.4459**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0113	0.4268	0.1169	1.0600e-003	0.0390	9.7000e-004	0.0400	0.0102	9.3000e-004	0.0111		114.9741	114.9741	7.1000e-003		115.1517
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0442	0.0237	0.3028	1.0900e-003	0.1150	7.2000e-004	0.1157	0.0305	6.6000e-004	0.0312		108.4514	108.4514	2.2100e-003		108.5067
Total	**0.0556**	**0.4505**	**0.4197**	**2.1500e-003**	**0.1540**	**1.6900e-003**	**0.1557**	**0.0407**	**1.5900e-003**	**0.0423**		**223.4254**	**223.4254**	**9.3100e-003**		**223.6584**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					2.9497	0.0000	2.9497	1.5155	0.0000	1.5155			0.0000			0.0000
Off-Road	1.7364	18.9667	11.0062	0.0289		0.8059	0.8059		0.7415	0.7415	0.0000	2,794.8482	2,794.8482	0.9039		2,817.4459
Total	**1.7364**	**18.9667**	**11.0062**	**0.0289**	**2.9497**	**0.8059**	**3.7556**	**1.5155**	**0.7415**	**2.2570**	**0.0000**	**2,794.8482**	**2,794.8482**	**0.9039**		**2,817.4459**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0113	0.4268	0.1169	1.0600e-003	0.0390	9.7000e-004	0.0400	0.0102	9.3000e-004	0.0111		114.9741	114.9741	7.1000e-003		115.1517
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0442	0.0237	0.3028	1.0900e-003	0.1150	7.2000e-004	0.1157	0.0305	6.6000e-004	0.0312		108.4514	108.4514	2.2100e-003		108.5067
Total	**0.0556**	**0.4505**	**0.4197**	**2.1500e-003**	**0.1540**	**1.6900e-003**	**0.1557**	**0.0407**	**1.5900e-003**	**0.0423**		**223.4254**	**223.4254**	**9.3100e-003**		**223.6584**

3.11 Building B and C - Utilities - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.5663	5.1567	5.8541	8.5400e-003		0.3254	0.3254		0.2994	0.2994		826.9647	826.9647	0.2675		833.6511
Total	**0.5663**	**5.1567**	**5.8541**	**8.5400e-003**		**0.3254**	**0.3254**		**0.2994**	**0.2994**		**826.9647**	**826.9647**	**0.2675**		**833.6511**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	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	0.0190	0.0102	0.1298	4.7000e-004	0.0493	3.1000e-004	0.0496	0.0131	2.8000e-004	0.0134		46.4792	46.4792	9.5000e-004		46.5029
Total	**0.0190**	**0.0102**	**0.1298**	**4.7000e-004**	**0.0493**	**3.1000e-004**	**0.0496**	**0.0131**	**2.8000e-004**	**0.0134**		**46.4792**	**46.4792**	**9.5000e-004**		**46.5029**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.5663	5.1567	5.8541	8.5400e-003		0.3254	0.3254		0.2994	0.2994	0.0000	826.9647	826.9647	0.2675		833.6511
Total	**0.5663**	**5.1567**	**5.8541**	**8.5400e-003**		**0.3254**	**0.3254**		**0.2994**	**0.2994**	**0.0000**	**826.9647**	**826.9647**	**0.2675**		**833.6511**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	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	0.0190	0.0102	0.1298	4.7000e-004	0.0493	3.1000e-004	0.0496	0.0131	2.8000e-004	0.0134		46.4792	46.4792	9.5000e-004		46.5029
Total	**0.0190**	**0.0102**	**0.1298**	**4.7000e-004**	**0.0493**	**3.1000e-004**	**0.0496**	**0.0131**	**2.8000e-004**	**0.0134**		**46.4792**	**46.4792**	**9.5000e-004**		**46.5029**

3.12 Building B and C - Building Construction - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.8555	14.6040	14.3533	0.0250		0.7022	0.7022		0.6731	0.6731		2,289.2813	2,289.2813	0.4417		2,300.3230
Total	**1.8555**	**14.6040**	**14.3533**	**0.0250**		**0.7022**	**0.7022**		**0.6731**	**0.6731**		**2,289.2813**	**2,289.2813**	**0.4417**		**2,300.3230**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	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	0.0639	1.8611	0.6293	5.2700e-003	0.1353	4.0700e-003	0.1394	0.0389	3.8900e-003	0.0428		560.7257	560.7257	0.0255		561.3619
Worker	0.1642	0.0879	1.1246	4.0400e-003	0.4272	2.6600e-003	0.4298	0.1133	2.4500e-003	0.1158		402.8193	402.8193	8.2200e-003		403.0249
Total	**0.2281**	**1.9490**	**1.7538**	**9.3100e-003**	**0.5625**	**6.7300e-003**	**0.5692**	**0.1522**	**6.3400e-003**	**0.1586**		**963.5450**	**963.5450**	**0.0337**		**964.3868**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.8555	14.6040	14.3533	0.0250		0.7022	0.7022		0.6731	0.6731	0.0000	2,289.2813	2,289.2813	0.4417		2,300.3230
Total	**1.8555**	**14.6040**	**14.3533**	**0.0250**		**0.7022**	**0.7022**		**0.6731**	**0.6731**	**0.0000**	**2,289.2813**	**2,289.2813**	**0.4417**		**2,300.3230**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	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	0.0639	1.8611	0.6293	5.2700e-003	0.1353	4.0700e-003	0.1394	0.0389	3.8900e-003	0.0428		560.7257	560.7257	0.0255		561.3619
Worker	0.1642	0.0879	1.1246	4.0400e-003	0.4272	2.6600e-003	0.4298	0.1133	2.4500e-003	0.1158		402.8193	402.8193	8.2200e-003		403.0249
Total	**0.2281**	**1.9490**	**1.7538**	**9.3100e-003**	**0.5625**	**6.7300e-003**	**0.5692**	**0.1522**	**6.3400e-003**	**0.1586**		**963.5450**	**963.5450**	**0.0337**		**964.3868**

3.12 Building B and C - Building Construction - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.7136	13.6239	14.2145	0.0250		0.6136	0.6136		0.5880	0.5880		2,289.5233	2,289.5233	0.4330		2,300.3479
Total	**1.7136**	**13.6239**	**14.2145**	**0.0250**		**0.6136**	**0.6136**		**0.5880**	**0.5880**		**2,289.5233**	**2,289.5233**	**0.4330**		**2,300.3479**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	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	0.0503	1.4589	0.5769	5.1200e-003	0.1353	2.0100e-003	0.1373	0.0390	1.9200e-003	0.0409		546.0462	546.0462	0.0235		546.6333
Worker	0.1540	0.0792	1.0364	3.8800e-003	0.4272	2.6000e-003	0.4298	0.1133	2.4000e-003	0.1157		387.4181	387.4181	7.3900e-003		387.6028
Total	**0.2043**	**1.5381**	**1.6133**	**9.0000e-003**	**0.5625**	**4.6100e-003**	**0.5671**	**0.1523**	**4.3200e-003**	**0.1566**		**933.4643**	**933.4643**	**0.0309**		**934.2361**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.7136	13.6239	14.2145	0.0250		0.6136	0.6136		0.5880	0.5880	0.0000	2,289.5233	2,289.5233	0.4330		2,300.3479
Total	**1.7136**	**13.6239**	**14.2145**	**0.0250**		**0.6136**	**0.6136**		**0.5880**	**0.5880**	**0.0000**	**2,289.5233**	**2,289.5233**	**0.4330**		**2,300.3479**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	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	0.0503	1.4589	0.5769	5.1200e-003	0.1353	2.0100e-003	0.1373	0.0390	1.9200e-003	0.0409		546.0462	546.0462	0.0235		546.6333
Worker	0.1540	0.0792	1.0364	3.8800e-003	0.4272	2.6000e-003	0.4298	0.1133	2.4000e-003	0.1157		387.4181	387.4181	7.3900e-003		387.6028
Total	**0.2043**	**1.5381**	**1.6133**	**9.0000e-003**	**0.5625**	**4.6100e-003**	**0.5671**	**0.1523**	**4.3200e-003**	**0.1566**		**933.4643**	**933.4643**	**0.0309**		**934.2361**

3.13 Site Work - Grading 2 - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.5523	0.0000	6.5523	3.3675	0.0000	3.3675			0.0000			0.0000
Off-Road	1.5403	16.9836	9.2202	0.0206		0.7423	0.7423		0.6829	0.6829		1,995.4825	1,995.4825	0.6454		2,011.6169
Total	**1.5403**	**16.9836**	**9.2202**	**0.0206**	**6.5523**	**0.7423**	**7.2946**	**3.3675**	**0.6829**	**4.0504**		**1,995.4825**	**1,995.4825**	**0.6454**		**2,011.6169**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	5.2100e-003	0.1959	0.0537	4.9000e-004	9.7900e-003	4.4000e-004	0.0102	2.6800e-003	4.3000e-004	3.1100e-003		52.7750	52.7750	3.2600e-003		52.8565
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0316	0.0169	0.2163	7.8000e-004	0.0822	5.1000e-004	0.0827	0.0218	4.7000e-004	0.0223		77.4653	77.4653	1.5800e-003		77.5048
Total	**0.0368**	**0.2128**	**0.2699**	**1.2700e-003**	**0.0919**	**9.5000e-004**	**0.0929**	**0.0245**	**9.0000e-004**	**0.0254**		**130.2402**	**130.2402**	**4.8400e-003**		**130.3613**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					2.9486	0.0000	2.9486	1.5154	0.0000	1.5154			0.0000			0.0000
Off-Road	1.5403	16.9836	9.2202	0.0206		0.7423	0.7423		0.6829	0.6829	0.0000	1,995.4825	1,995.4825	0.6454		2,011.6169
Total	**1.5403**	**16.9836**	**9.2202**	**0.0206**	**2.9486**	**0.7423**	**3.6908**	**1.5154**	**0.6829**	**2.1983**	**0.0000**	**1,995.4825**	**1,995.4825**	**0.6454**		**2,011.6169**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	5.2100e-003	0.1959	0.0537	4.9000e-004	9.7900e-003	4.4000e-004	0.0102	2.6800e-003	4.3000e-004	3.1100e-003		52.7750	52.7750	3.2600e-003		52.8565
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0316	0.0169	0.2163	7.8000e-004	0.0822	5.1000e-004	0.0827	0.0218	4.7000e-004	0.0223		77.4653	77.4653	1.5800e-003		77.5048
Total	**0.0368**	**0.2128**	**0.2699**	**1.2700e-003**	**0.0919**	**9.5000e-004**	**0.0929**	**0.0245**	**9.0000e-004**	**0.0254**		**130.2402**	**130.2402**	**4.8400e-003**		**130.3613**

3.14 Building B and C - Paving - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9412	9.3322	11.6970	0.0179		0.4879	0.4879		0.4500	0.4500		1,709.6892	1,709.6892	0.5419		1,723.2356
Paving	0.0682					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.0094**	**9.3322**	**11.6970**	**0.0179**		**0.4879**	**0.4879**		**0.4500**	**0.4500**		**1,709.6892**	**1,709.6892**	**0.5419**		**1,723.2356**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	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	0.0505	0.0271	0.3460	1.2400e-003	0.1314	8.2000e-004	0.1323	0.0349	7.5000e-004	0.0356		123.9444	123.9444	2.5300e-003		124.0077
Total	**0.0505**	**0.0271**	**0.3460**	**1.2400e-003**	**0.1314**	**8.2000e-004**	**0.1323**	**0.0349**	**7.5000e-004**	**0.0356**		**123.9444**	**123.9444**	**2.5300e-003**		**124.0077**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9412	9.3322	11.6970	0.0179		0.4879	0.4879		0.4500	0.4500	0.0000	1,709.6892	1,709.6892	0.5419		1,723.2356
Paving	0.0682					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.0094**	**9.3322**	**11.6970**	**0.0179**		**0.4879**	**0.4879**		**0.4500**	**0.4500**	**0.0000**	**1,709.6892**	**1,709.6892**	**0.5419**		**1,723.2356**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	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	0.0505	0.0271	0.3460	1.2400e-003	0.1314	8.2000e-004	0.1323	0.0349	7.5000e-004	0.0356		123.9444	123.9444	2.5300e-003		124.0077
Total	**0.0505**	**0.0271**	**0.3460**	**1.2400e-003**	**0.1314**	**8.2000e-004**	**0.1323**	**0.0349**	**7.5000e-004**	**0.0356**		**123.9444**	**123.9444**	**2.5300e-003**		**124.0077**

3.15 Building B and C - Finish Work - 2023

Unmitigated Construction On-Site

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

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	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	0.0296	0.0152	0.1993	7.5000e-004	0.0822	5.0000e-004	0.0827	0.0218	4.6000e-004	0.0223		74.5035	74.5035	1.4200e-003		74.5390
Total	**0.0296**	**0.0152**	**0.1993**	**7.5000e-004**	**0.0822**	**5.0000e-004**	**0.0827**	**0.0218**	**4.6000e-004**	**0.0223**		**74.5035**	**74.5035**	**1.4200e-003**		**74.5390**

Mitigated Construction On-Site

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	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	0.0296	0.0152	0.1993	7.5000e-004	0.0822	5.0000e-004	0.0827	0.0218	4.6000e-004	0.0223		74.5035	74.5035	1.4200e-003		74.5390
Total	**0.0296**	**0.0152**	**0.1993**	**7.5000e-004**	**0.0822**	**5.0000e-004**	**0.0827**	**0.0218**	**4.6000e-004**	**0.0223**		**74.5035**	**74.5035**	**1.4200e-003**		**74.5390**

3.16 Building B and C - Architectural Coating - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	16.0673					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1917	1.3030	1.8111	2.9700e-003		0.0708	0.0708		0.0708	0.0708		281.4481	281.4481	0.0168		281.8690
Total	**16.2589**	**1.3030**	**1.8111**	**2.9700e-003**		**0.0708**	**0.0708**		**0.0708**	**0.0708**		**281.4481**	**281.4481**	**0.0168**		**281.8690**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	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	0.0296	0.0152	0.1993	7.5000e-004	0.0822	5.0000e-004	0.0827	0.0218	4.6000e-004	0.0223		74.5035	74.5035	1.4200e-003		74.5390
Total	**0.0296**	**0.0152**	**0.1993**	**7.5000e-004**	**0.0822**	**5.0000e-004**	**0.0827**	**0.0218**	**4.6000e-004**	**0.0223**		**74.5035**	**74.5035**	**1.4200e-003**		**74.5390**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	16.0673					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1917	1.3030	1.8111	2.9700e-003		0.0708	0.0708		0.0708	0.0708	0.0000	281.4481	281.4481	0.0168		281.8690
Total	**16.2589**	**1.3030**	**1.8111**	**2.9700e-003**		**0.0708**	**0.0708**		**0.0708**	**0.0708**	**0.0000**	**281.4481**	**281.4481**	**0.0168**		**281.8690**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	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	0.0296	0.0152	0.1993	7.5000e-004	0.0822	5.0000e-004	0.0827	0.0218	4.6000e-004	0.0223		74.5035	74.5035	1.4200e-003		74.5390
Total	**0.0296**	**0.0152**	**0.1993**	**7.5000e-004**	**0.0822**	**5.0000e-004**	**0.0827**	**0.0218**	**4.6000e-004**	**0.0223**		**74.5035**	**74.5035**	**1.4200e-003**		**74.5390**

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	1.0320	2.8198	11.3721	0.0439	4.3660	0.0393	4.4053	1.1667	0.0367	1.2035		4,423.5188	4,423.5188	0.1309		4,426.7917
Unmitigated	1.0320	2.8198	11.3721	0.0439	4.3660	0.0393	4.4053	1.1667	0.0367	1.2035		4,423.5188	4,423.5188	0.1309		4,426.7917

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
General Light Industry	706.21	133.80	68.91	1,557,254	1,557,254
Other Non-Asphalt Surfaces	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Total	706.21	133.80	68.91	1,557,254	1,557,254

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
General Light Industry	9.50	7.30	7.30	59.00	28.00	13.00	92	5	3
Other Non-Asphalt Surfaces	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0
Parking Lot	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
General Light Industry	0.598301	0.039360	0.198316	0.109153	0.015323	0.005191	0.010619	0.011654	0.002041	0.002927	0.005696	0.000707	0.000711
Other Non-Asphalt Surfaces	0.598301	0.039360	0.198316	0.109153	0.015323	0.005191	0.010619	0.011654	0.002041	0.002927	0.005696	0.000707	0.000711
Parking Lot	0.598301	0.039360	0.198316	0.109153	0.015323	0.005191	0.010619	0.011654	0.002041	0.002927	0.005696	0.000707	0.000711

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Exceed Title 24

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.0288	0.2620	0.2201	1.5700e-003		0.0199	0.0199		0.0199	0.0199		314.4459	314.4459	6.0300e-003	5.7600e-003	316.3145
NaturalGas Unmitigated	0.0368	0.3344	0.2809	2.0100e-003		0.0254	0.0254		0.0254	0.0254		401.2651	401.2651	7.6900e-003	7.3600e-003	403.6496

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
General Light Industry	3410.75	0.0368	0.3344	0.2809	2.0100e-003		0.0254	0.0254		0.0254	0.0254		401.2651	401.2651	7.6900e-003	7.3600e-003	403.6496
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		**0.0368**	**0.3344**	**0.2809**	**2.0100e-003**		**0.0254**	**0.0254**		**0.0254**	**0.0254**		**401.2651**	**401.2651**	**7.6900e-003**	**7.3600e-003**	**403.6496**

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
General Light Industry	2.67279	0.0288	0.2620	0.2201	1.5700e-003		0.0199	0.0199		0.0199	0.0199		314.4459	314.4459	6.0300e-003	5.7600e-003	316.3145
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		**0.0288**	**0.2620**	**0.2201**	**1.5700e-003**		**0.0199**	**0.0199**		**0.0199**	**0.0199**		**314.4459**	**314.4459**	**6.0300e-003**	**5.7600e-003**	**316.3145**

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	1.2552	1.5000e-004	0.0162	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0348	0.0348	9.0000e-005		0.0370
Unmitigated	1.2552	1.5000e-004	0.0162	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0348	0.0348	9.0000e-005		0.0370

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	0.1519					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1.1018					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.4900e-003	1.5000e-004	0.0162	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0348	0.0348	9.0000e-005		0.0370
Total	**1.2552**	**1.5000e-004**	**0.0162**	**0.0000**		**6.0000e-005**	**6.0000e-005**		**6.0000e-005**	**6.0000e-005**		**0.0348**	**0.0348**	**9.0000e-005**		**0.0370**

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	0.1519					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1.1018					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.4900e-003	1.5000e-004	0.0162	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0348	0.0348	9.0000e-005		0.0370
Total	**1.2552**	**1.5000e-004**	**0.0162**	**0.0000**		**6.0000e-005**	**6.0000e-005**		**6.0000e-005**	**6.0000e-005**		**0.0348**	**0.0348**	**9.0000e-005**		**0.0370**

CalEEMod Version: CalEEMod.2016.3.2

Date: 1/19/2021 10:07 AM

70-74 Liberty Way Project
Marin County, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Light Industry	50.30	1000sqft	1.15	50,300.00	0
Other Non-Asphalt Surfaces	0.52	Acre	0.52	22,589.00	0
Parking Lot	108.00	Space	1.12	48,979.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	69
Climate Zone	5			**Operational Year**	2024
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity (lb/MWhr)	206	**CH4 Intensity (lb/MWhr)**	0.009	**N2O Intensity (lb/MWhr)**	0.002

1.3 User Entered Comments & Non-Default Data

Project Characteristics - 70-74 Liberty Way Project. Adjusted intensity factors based on PG&E 2020 Corporate Sustainability Report.
Land Use - Three buildings totaling 50,300 sf, 22,589 sf of landscaping, and 108 parking spaces (48,979 sf).
Construction Phase - Construction would begin March 2020 and would occur over 42 months.
Off-road Equipment - Default equipment.
Off-road Equipment - Default equipment.
Off-road Equipment - Assume no equipment.
Off-road Equipment - Default equipment.

Off-road Equipment - Added bore/drill rig for pile driving.

Off-road Equipment - Added trencher and excavator for utility work.

Off-road Equipment - Default equipment.

Off-road Equipment - Default equipment.

Off-road Equipment - Assume no equipment.

Off-road Equipment - Default equipment.

Off-road Equipment - Added bore/drill rig for pile driving.

Off-road Equipment - Added trencher and excavator for utility work.

Off-road Equipment - Default equipment.

Off-road Equipment - Default equipment.

Off-road Equipment - Default equipment.

Trips and VMT - Rounded trips. Updated haul trips to account for offsite haul of debris and trip distance (8.8 miles).

Grading - 1,950 cy of soil export divided between both Pile Driving/Grading phases.

Architectural Coating - Exterior Painted metal will meet VOC 250 g/L (Industrial Maintenance coatins & Rust preventative coatings)

Vehicle Trips - Updated trip rate per Traffic Analysis.

Construction Off-road Equipment Mitigation - Water exposed area twice daily.

Energy Mitigation - Comply with 2019 Title 24 Standards.

Water Mitigation - 20% reduction in water consumption consistent with CalGreen.

Waste Mitigation - Assume 50% waste diverted consistent with AB 939.

Energy Use - Default energy use inputs

Water And Wastewater - Default water and wasterwater inputs

Solid Waste - Default solid waste inputs

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	150.00	250.00
tblArchitecturalCoating	EF_Nonresidential_Exterior	150.00	250.00
tblArchitecturalCoating	EF_Parking	150.00	250.00
tblArchitecturalCoating	EF_Parking	150.00	250.00
tblConstructionPhase	NumDays	10.00	43.00
tblConstructionPhase	NumDays	10.00	44.00
tblConstructionPhase	NumDays	220.00	261.00

tblConstructionPhase	NumDays	220.00	108.00
tblConstructionPhase	NumDays	220.00	240.00
tblConstructionPhase	NumDays	220.00	109.00
tblConstructionPhase	NumDays	6.00	110.00
tblConstructionPhase	NumDays	6.00	22.00
tblConstructionPhase	NumDays	6.00	110.00
tblConstructionPhase	NumDays	6.00	44.00
tblConstructionPhase	NumDays	10.00	43.00
tblConstructionPhase	NumDays	10.00	44.00
tblConstructionPhase	NumDays	3.00	22.00
tblGrading	AcresOfGrading	33.00	11.00
tblGrading	MaterialExported	0.00	975.00
tblGrading	MaterialExported	0.00	975.00
tblLandUse	LandUseSquareFeet	22,651.20	22,589.00
tblLandUse	LandUseSquareFeet	43,200.00	48,979.00
tblLandUse	LotAcreage	0.97	1.12
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblProjectCharacteristics	CH4IntensityFactor	0.029	0.009
tblProjectCharacteristics	CO2IntensityFactor	641.35	206
tblProjectCharacteristics	N2OIntensityFactor	0.006	0.002
tblTripsAndVMT	HaulingTripLength	20.00	8.80
tblTripsAndVMT	HaulingTripLength	20.00	8.80
tblTripsAndVMT	HaulingTripLength	20.00	8.80
tblTripsAndVMT	HaulingTripLength	20.00	8.80
tblTripsAndVMT	HaulingTripNumber	0.00	140.00
tblTripsAndVMT	HaulingTripNumber	0.00	140.00
tblTripsAndVMT	VendorTripNumber	20.00	0.00
tblTripsAndVMT	VendorTripNumber	20.00	0.00

tblTripsAndVMT	WorkerTripNumber	5.00	6.00
tblTripsAndVMT	WorkerTripNumber	51.00	52.00
tblTripsAndVMT	WorkerTripNumber	15.00	16.00
tblTripsAndVMT	WorkerTripNumber	51.00	10.00
tblTripsAndVMT	WorkerTripNumber	13.00	14.00
tblTripsAndVMT	WorkerTripNumber	5.00	6.00
tblTripsAndVMT	WorkerTripNumber	51.00	52.00
tblTripsAndVMT	WorkerTripNumber	51.00	10.00
tblTripsAndVMT	WorkerTripNumber	15.00	16.00
tblTripsAndVMT	WorkerTripNumber	13.00	14.00
tblVehicleTrips	ST_TR	1.32	2.66
tblVehicleTrips	SU_TR	0.68	1.37
tblVehicleTrips	WD_TR	6.97	14.04

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2020	3.2687	25.9976	23.0740	0.0433	6.7150	1.3638	7.7973	3.4104	1.2917	4.4063	0.0000	4,121.5641	4,121.5641	0.9212	0.0000	4,140.8603
2021	17.8630	38.6121	26.7416	0.0567	7.2889	1.7422	9.0310	3.5660	1.6342	5.2002	0.0000	5,425.8461	5,425.8461	1.1387	0.0000	5,454.3128
2022	3.6813	33.7971	28.1437	0.0557	7.2068	1.4524	8.6591	3.5442	1.3634	4.9076	0.0000	5,328.8797	5,328.8797	1.1818	0.0000	5,357.0382
2023	16.3233	15.2111	16.0178	0.0343	0.6446	0.6189	1.2635	0.1740	0.5929	0.7670	0.0000	3,251.1149	3,251.1149	0.4658	0.0000	3,262.7587
Maximum	**17.8630**	**38.6121**	**28.1437**	**0.0567**	**7.2889**	**1.7422**	**9.0310**	**3.5660**	**1.6342**	**5.2002**	**0.0000**	**5,425.8461**	**5,425.8461**	**1.1818**	**0.0000**	**5,454.3128**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2020	3.2687	25.9976	23.0740	0.0433	3.1085	1.3638	4.1908	1.5579	1.2917	2.5538	0.0000	4,121.5641	4,121.5641	0.9212	0.0000	4,140.8603
2021	17.8630	38.6121	26.7416	0.0567	3.6851	1.7422	5.4273	1.7139	1.6342	3.3481	0.0000	5,425.8461	5,425.8461	1.1387	0.0000	5,454.3128
2022	3.6813	33.7971	28.1437	0.0557	3.6030	1.4524	5.0553	1.6921	1.3634	3.0555	0.0000	5,328.8797	5,328.8797	1.1818	0.0000	5,357.0382
2023	16.3233	15.2111	16.0178	0.0343	0.6446	0.6189	1.2635	0.1740	0.5929	0.7670	0.0000	3,251.1149	3,251.1149	0.4658	0.0000	3,262.7587
Maximum	**17.8630**	**38.6121**	**28.1437**	**0.0567**	**3.6851**	**1.7422**	**5.4273**	**1.7139**	**1.6342**	**3.3481**	**0.0000**	**5,425.8461**	**5,425.8461**	**1.1818**	**0.0000**	**5,454.3128**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**49.48**	**0.00**	**40.43**	**51.96**	**0.00**	**36.36**	**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	1.2552	1.5000e-004	0.0162	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0348	0.0348	9.0000e-005		0.0370
Energy	0.0368	0.3344	0.2809	2.0100e-003		0.0254	0.0254		0.0254	0.0254		401.2651	401.2651	7.6900e-003	7.3600e-003	403.6496
Mobile	0.9054	3.0540	11.2653	0.0411	4.3660	0.0394	4.4054	1.1667	0.0368	1.2036		4,143.2317	4,143.2317	0.1307		4,146.4995
Total	**2.1973**	**3.3886**	**11.5623**	**0.0431**	**4.3660**	**0.0649**	**4.4308**	**1.1667**	**0.0623**	**1.2290**		**4,544.5316**	**4,544.5316**	**0.1385**	**7.3600e-003**	**4,550.1861**

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	1.2552	1.5000e-004	0.0162	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0348	0.0348	9.0000e-005		0.0370
Energy	0.0288	0.2620	0.2201	1.5700e-003		0.0199	0.0199		0.0199	0.0199		314.4459	314.4459	6.0300e-003	5.7600e-003	316.3145
Mobile	0.9054	3.0540	11.2653	0.0411	4.3660	0.0394	4.4054	1.1667	0.0368	1.2036		4,143.2317	4,143.2317	0.1307		4,146.4995
Total	**2.1893**	**3.3162**	**11.5016**	**0.0427**	**4.3660**	**0.0594**	**4.4253**	**1.1667**	**0.0568**	**1.2235**		**4,457.7124**	**4,457.7124**	**0.1368**	**5.7600e-003**	**4,462.8510**

	ROG	NOx	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	**0.36**	**2.14**	**0.53**	**1.02**	**0.00**	**8.48**	**0.12**	**0.00**	**8.83**	**0.45**	**0.00**	**1.91**	**1.91**	**1.20**	**21.74**	**1.92**

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Work - Site Preparation	Site Preparation	3/1/2020	3/31/2020	5	22	
2	Building A - Pile Driving/Grading	Grading	4/1/2020	4/30/2020	5	22	
3	Building A - Utilities	Trenching	5/1/2020	6/30/2020	5	43	
4	Building A - Building Construction	Building Construction	6/1/2020	4/30/2021	5	240	
5	Site Work - Grading 1	Grading	3/1/2021	7/31/2021	5	110	
6	Building A - Finish Work	Building Construction	4/1/2021	8/31/2021	5	109	
7	Building A - Architectural Coating	Architectural Coating	6/1/2021	7/31/2021	5	44	
8	Building A - Paving	Paving	8/1/2021	9/30/2021	5	44	
9	Building B and C - Pile Driving/Grading	Grading	12/1/2021	1/31/2022	5	44	
10	Building B and C - Utilities	Trenching	1/1/2022	2/28/2022	5	41	
11	Building B and C - Building Construction	Building Construction	2/1/2022	1/31/2023	5	261	
12	Site Work - Grading 2	Grading	5/1/2022	9/30/2022	5	110	
13	Building B and C - Paving	Paving	10/1/2022	11/30/2022	5	43	
14	Building B and C - Finish Work	Building Construction	1/1/2023	5/31/2023	5	108	
15	Building B and C - Architectural Coating	Architectural Coating	2/1/2023	3/31/2023	5	43	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 1.64

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 75,450; Non-Residential Outdoor: 25,150; Striped Parking Area:

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Work - Site Preparation	Graders	1	8.00	187	0.41
Site Work - Site Preparation	Scrapers	1	8.00	367	0.48
Site Work - Site Preparation	Tractors/Loaders/Backhoes	1	7.00	97	0.37
Building A - Pile Driving/Grading	Bore/Drill Rigs	1	7.00	221	0.50
Building A - Pile Driving/Grading	Graders	1	8.00	187	0.41
Building A - Pile Driving/Grading	Rubber Tired Dozers	1	8.00	247	0.40
Building A - Pile Driving/Grading	Tractors/Loaders/Backhoes	2	7.00	97	0.37
Building A - Utilities	Excavators	1	8.00	158	0.38
Building A - Utilities	Trenchers	1	8.00	78	0.50
Building A - Building Construction	Cranes	1	8.00	231	0.29
Building A - Building Construction	Forklifts	2	7.00	89	0.20
Building A - Building Construction	Generator Sets	1	8.00	84	0.74
Building A - Building Construction	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Building A - Building Construction	Welders	3	8.00	46	0.45
Site Work - Grading 1	Graders	1	8.00	187	0.41
Site Work - Grading 1	Rubber Tired Dozers	1	8.00	247	0.40
Site Work - Grading 1	Tractors/Loaders/Backhoes	2	7.00	97	0.37
Building A - Finish Work	Cranes	0	0.00	231	0.29
Building A - Architectural Coating	Air Compressors	1	6.00	78	0.48
Building A - Paving	Cement and Mortar Mixers	1	8.00	9	0.56
Building A - Paving	Pavers	1	8.00	130	0.42
Building A - Paving	Paving Equipment	1	8.00	132	0.36
Building A - Paving	Rollers	2	8.00	80	0.38
Building A - Paving	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Building B and C - Pile Driving/Grading	Bore/Drill Rigs	1	7.00	221	0.50
Building B and C - Pile Driving/Grading	Graders	1	8.00	187	0.41
Building B and C - Pile Driving/Grading	Rubber Tired Dozers	1	8.00	247	0.40
Building B and C - Pile Driving/Grading	Tractors/Loaders/Backhoes	2	7.00	97	0.37

Building B and C - Utilities	Excavators	1	8.00	158	0.38
Building B and C - Utilities	Trenchers	1	8.00	78	0.50
Building B and C - Building Construction	Cranes	1	8.00	231	0.29
Building B and C - Building Construction	Forklifts	2	7.00	89	0.20
Building B and C - Building Construction	Generator Sets	1	8.00	84	0.74
Building B and C - Building Construction	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Building B and C - Building Construction	Welders	3	8.00	46	0.45
Site Work - Grading 2	Graders	1	8.00	187	0.41
Site Work - Grading 2	Rubber Tired Dozers	1	8.00	247	0.40
Site Work - Grading 2	Tractors/Loaders/Backhoes	2	7.00	97	0.37
Building B and C - Paving	Cement and Mortar Mixers	1	8.00	9	0.56
Building B and C - Paving	Pavers	1	8.00	130	0.42
Building B and C - Paving	Paving Equipment	1	8.00	132	0.36
Building B and C - Paving	Rollers	2	8.00	80	0.38
Building B and C - Paving	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Building B and C - Finish Work	Cranes	0	0.00	231	0.29
Building B and C - Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Site Work - Site Preparation	3	8.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building A - Pile Driving/Grading	5	14.00	0.00	122.00	10.80	7.30	8.80	LD_Mix	HDT_Mix	HHDT
Building A - Utilities	2	6.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building A - Building Construction	8	52.00	20.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Site Work - Grading 1	4	10.00	0.00	140.00	10.80	7.30	8.80	LD_Mix	HDT_Mix	HHDT
Building A - Finish Work	0	10.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building A - Architectural Coating	1	10.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building A - Paving	6	16.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building B and C - Pile Driving/Grading	5	14.00	0.00	122.00	10.80	7.30	8.80	LD_Mix	HDT_Mix	HHDT
Building B and C - Utilities	2	6.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building B and C - Building Construction	8	52.00	20.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Site Work - Grading 2	4	10.00	0.00	140.00	10.80	7.30	8.80	LD_Mix	HDT_Mix	HHDT
Building B and C - Paving	6	16.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building B and C - Finish Work	0	10.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building B and C - Architectural Coating	1	10.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

3.2 Site Work - Site Preparation - 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					0.5303	0.0000	0.5303	0.0573	0.0000	0.0573			0.0000			0.0000
Off-Road	1.6521	19.9196	11.2678	0.0245		0.7771	0.7771		0.7149	0.7149		2,372.9062	2,372.9062	0.7675		2,392.0924
Total	**1.6521**	**19.9196**	**11.2678**	**0.0245**	**0.5303**	**0.7771**	**1.3073**	**0.0573**	**0.7149**	**0.7722**		**2,372.9062**	**2,372.9062**	**0.7675**		**2,392.0924**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	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	0.0312	0.0208	0.1946	6.2000e-004	0.0657	4.3000e-004	0.0662	0.0174	4.0000e-004	0.0178		61.6491	61.6491	1.4700e-003		61.6859
Total	**0.0312**	**0.0208**	**0.1946**	**6.2000e-004**	**0.0657**	**4.3000e-004**	**0.0662**	**0.0174**	**4.0000e-004**	**0.0178**		**61.6491**	**61.6491**	**1.4700e-003**		**61.6859**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					0.2386	0.0000	0.2386	0.0258	0.0000	0.0258			0.0000			0.0000
Off-Road	1.6521	19.9196	11.2678	0.0245		0.7771	0.7771		0.7149	0.7149	0.0000	2,372.9062	2,372.9062	0.7675		2,392.0924
Total	**1.6521**	**19.9196**	**11.2678**	**0.0245**	**0.2386**	**0.7771**	**1.0157**	**0.0258**	**0.7149**	**0.7407**	**0.0000**	**2,372.9062**	**2,372.9062**	**0.7675**		**2,392.0924**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	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	0.0312	0.0208	0.1946	6.2000e-004	0.0657	4.3000e-004	0.0662	0.0174	4.0000e-004	0.0178		61.6491	61.6491	1.4700e-003		61.6859
Total	**0.0312**	**0.0208**	**0.1946**	**6.2000e-004**	**0.0657**	**4.3000e-004**	**0.0662**	**0.0174**	**4.0000e-004**	**0.0178**		**61.6491**	**61.6491**	**1.4700e-003**		**61.6859**

3.3 Building A - Pile Driving/Grading - 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					6.5574	0.0000	6.5574	3.3682	0.0000	3.3682			0.0000			0.0000
Off-Road	2.1648	24.4238	11.7562	0.0288		1.0790	1.0790		0.9926	0.9926		2,792.4871	2,792.4871	0.9032		2,815.0658
Total	**2.1648**	**24.4238**	**11.7562**	**0.0288**	**6.5574**	**1.0790**	**7.6363**	**3.3682**	**0.9926**	**4.3609**		**2,792.4871**	**2,792.4871**	**0.9032**		**2,815.0658**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0280	0.9827	0.2915	2.1300e-003	0.0426	2.6500e-003	0.0453	0.0117	2.5300e-003	0.0142		229.0930	229.0930	0.0155		229.4804
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0546	0.0363	0.3405	1.0800e-003	0.1150	7.5000e-004	0.1158	0.0305	7.0000e-004	0.0312		107.8859	107.8859	2.5800e-003		107.9504
Total	**0.0826**	**1.0190**	**0.6320**	**3.2100e-003**	**0.1576**	**3.4000e-003**	**0.1610**	**0.0422**	**3.2300e-003**	**0.0454**		**336.9789**	**336.9789**	**0.0181**		**337.4307**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					2.9508	0.0000	2.9508	1.5157	0.0000	1.5157			0.0000			0.0000
Off-Road	2.1648	24.4238	11.7562	0.0288		1.0790	1.0790		0.9926	0.9926	0.0000	2,792.4871	2,792.4871	0.9032		2,815.0658
Total	**2.1648**	**24.4238**	**11.7562**	**0.0288**	**2.9508**	**1.0790**	**4.0298**	**1.5157**	**0.9926**	**2.5084**	**0.0000**	**2,792.4871**	**2,792.4871**	**0.9032**		**2,815.0658**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0280	0.9827	0.2915	2.1300e-003	0.0426	2.6500e-003	0.0453	0.0117	2.5300e-003	0.0142		229.0930	229.0930	0.0155		229.4804
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0546	0.0363	0.3405	1.0800e-003	0.1150	7.5000e-004	0.1158	0.0305	7.0000e-004	0.0312		107.8859	107.8859	2.5800e-003		107.9504
Total	**0.0826**	**1.0190**	**0.6320**	**3.2100e-003**	**0.1576**	**3.4000e-003**	**0.1610**	**0.0422**	**3.2300e-003**	**0.0454**		**336.9789**	**336.9789**	**0.0181**		**337.4307**

3.4 Building A - Utilities - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.6647	6.2092	5.9041	8.5400e-003		0.4011	0.4011		0.3690	0.3690		826.9305	826.9305	0.2675		833.6167
Total	**0.6647**	**6.2092**	**5.9041**	**8.5400e-003**		**0.4011**	**0.4011**		**0.3690**	**0.3690**		**826.9305**	**826.9305**	**0.2675**		**833.6167**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	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	0.0234	0.0156	0.1459	4.6000e-004	0.0493	3.2000e-004	0.0496	0.0131	3.0000e-004	0.0134		46.2368	46.2368	1.1100e-003		46.2645
Total	**0.0234**	**0.0156**	**0.1459**	**4.6000e-004**	**0.0493**	**3.2000e-004**	**0.0496**	**0.0131**	**3.0000e-004**	**0.0134**		**46.2368**	**46.2368**	**1.1100e-003**		**46.2645**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.6647	6.2092	5.9041	8.5400e-003		0.4011	0.4011		0.3690	0.3690	0.0000	826.9305	826.9305	0.2675		833.6167
Total	**0.6647**	**6.2092**	**5.9041**	**8.5400e-003**		**0.4011**	**0.4011**		**0.3690**	**0.3690**	**0.0000**	**826.9305**	**826.9305**	**0.2675**		**833.6167**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	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	0.0234	0.0156	0.1459	4.6000e-004	0.0493	3.2000e-004	0.0496	0.0131	3.0000e-004	0.0134		46.2368	46.2368	1.1100e-003		46.2645
Total	**0.0234**	**0.0156**	**0.1459**	**4.6000e-004**	**0.0493**	**3.2000e-004**	**0.0496**	**0.0131**	**3.0000e-004**	**0.0134**		**46.2368**	**46.2368**	**1.1100e-003**		**46.2645**

3.5 Building A - Building Construction - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.2879	17.4336	14.8972	0.0250		0.9482	0.9482		0.9089	0.9089		2,288.8877	2,288.8877	0.4646		2,300.5014
Total	**2.2879**	**17.4336**	**14.8972**	**0.0250**		**0.9482**	**0.9482**		**0.9089**	**0.9089**		**2,288.8877**	**2,288.8877**	**0.4646**		**2,300.5014**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	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	0.0900	2.2043	0.8621	5.2600e-003	0.1353	0.0114	0.1467	0.0389	0.0109	0.0499		558.7901	558.7901	0.0292		559.5193
Worker	0.2027	0.1349	1.2647	4.0200e-003	0.4272	2.8000e-003	0.4300	0.1133	2.5800e-003	0.1159		400.7189	400.7189	9.5800e-003		400.9585
Total	**0.2928**	**2.3392**	**2.1267**	**9.2800e-003**	**0.5625**	**0.0142**	**0.5767**	**0.1522**	**0.0135**	**0.1657**		**959.5090**	**959.5090**	**0.0388**		**960.4778**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.2879	17.4336	14.8972	0.0250		0.9482	0.9482		0.9089	0.9089	0.0000	2,288.8877	2,288.8877	0.4646		2,300.5014
Total	**2.2879**	**17.4336**	**14.8972**	**0.0250**		**0.9482**	**0.9482**		**0.9089**	**0.9089**	**0.0000**	**2,288.8877**	**2,288.8877**	**0.4646**		**2,300.5014**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	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	0.0900	2.2043	0.8621	5.2600e-003	0.1353	0.0114	0.1467	0.0389	0.0109	0.0499		558.7901	558.7901	0.0292		559.5193
Worker	0.2027	0.1349	1.2647	4.0200e-003	0.4272	2.8000e-003	0.4300	0.1133	2.5800e-003	0.1159		400.7189	400.7189	9.5800e-003		400.9585
Total	**0.2928**	**2.3392**	**2.1267**	**9.2800e-003**	**0.5625**	**0.0142**	**0.5767**	**0.1522**	**0.0135**	**0.1657**		**959.5090**	**959.5090**	**0.0388**		**960.4778**

3.5 Building A - Building Construction - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.0451	16.0275	14.5629	0.0250		0.8173	0.8173		0.7831	0.7831		2,288.9355	2,288.9355	0.4503		2,300.1935
Total	**2.0451**	**16.0275**	**14.5629**	**0.0250**		**0.8173**	**0.8173**		**0.7831**	**0.7831**		**2,288.9355**	**2,288.9355**	**0.4503**		**2,300.1935**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	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	0.0737	1.9926	0.7601	5.2100e-003	0.1353	4.8500e-003	0.1401	0.0389	4.6300e-003	0.0436		553.8871	553.8871	0.0276		554.5773
Worker	0.1891	0.1206	1.1530	3.8800e-003	0.4272	2.7200e-003	0.4299	0.1133	2.5100e-003	0.1158		386.7191	386.7191	8.5600e-003		386.9330
Total	**0.2628**	**2.1132**	**1.9131**	**9.0900e-003**	**0.5625**	**7.5700e-003**	**0.5700**	**0.1522**	**7.1400e-003**	**0.1594**		**940.6061**	**940.6061**	**0.0362**		**941.5103**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.0451	16.0275	14.5629	0.0250		0.8173	0.8173		0.7831	0.7831	0.0000	2,288.9355	2,288.9355	0.4503		2,300.1935
Total	**2.0451**	**16.0275**	**14.5629**	**0.0250**		**0.8173**	**0.8173**		**0.7831**	**0.7831**	**0.0000**	**2,288.9355**	**2,288.9355**	**0.4503**		**2,300.1935**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	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	0.0737	1.9926	0.7601	5.2100e-003	0.1353	4.8500e-003	0.1401	0.0389	4.6300e-003	0.0436		553.8871	553.8871	0.0276		554.5773
Worker	0.1891	0.1206	1.1530	3.8800e-003	0.4272	2.7200e-003	0.4299	0.1133	2.5100e-003	0.1158		386.7191	386.7191	8.5600e-003		386.9330
Total	**0.2628**	**2.1132**	**1.9131**	**9.0900e-003**	**0.5625**	**7.5700e-003**	**0.5700**	**0.1522**	**7.1400e-003**	**0.1594**		**940.6061**	**940.6061**	**0.0362**		**941.5103**

3.6 Site Work - Grading 1 - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.5523	0.0000	6.5523	3.3675	0.0000	3.3675			0.0000			0.0000
Off-Road	1.8271	20.2135	9.7604	0.0206		0.9158	0.9158		0.8425	0.8425		1,995.6114	1,995.6114	0.6454		2,011.7470
Total	**1.8271**	**20.2135**	**9.7604**	**0.0206**	**6.5523**	**0.9158**	**7.4681**	**3.3675**	**0.8425**	**4.2100**		**1,995.6114**	**1,995.6114**	**0.6454**		**2,011.7470**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	5.8600e-003	0.2114	0.0617	4.8000e-004	9.7800e-003	5.4000e-004	0.0103	2.6800e-003	5.2000e-004	3.2000e-003		51.9549	51.9549	3.4700e-003		52.0416
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0364	0.0232	0.2217	7.5000e-004	0.0822	5.2000e-004	0.0827	0.0218	4.8000e-004	0.0223		74.3691	74.3691	1.6500e-003		74.4102
Total	**0.0422**	**0.2346**	**0.2835**	**1.2300e-003**	**0.0919**	**1.0600e-003**	**0.0930**	**0.0245**	**1.0000e-003**	**0.0255**		**126.3239**	**126.3239**	**5.1200e-003**		**126.4518**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					2.9486	0.0000	2.9486	1.5154	0.0000	1.5154			0.0000			0.0000
Off-Road	1.8271	20.2135	9.7604	0.0206		0.9158	0.9158		0.8425	0.8425	0.0000	1,995.6114	1,995.6114	0.6454		2,011.7470
Total	**1.8271**	**20.2135**	**9.7604**	**0.0206**	**2.9486**	**0.9158**	**3.8643**	**1.5154**	**0.8425**	**2.3579**	**0.0000**	**1,995.6114**	**1,995.6114**	**0.6454**		**2,011.7470**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	5.8600e-003	0.2114	0.0617	4.8000e-004	9.7800e-003	5.4000e-004	0.0103	2.6800e-003	5.2000e-004	3.2000e-003		51.9549	51.9549	3.4700e-003		52.0416
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0364	0.0232	0.2217	7.5000e-004	0.0822	5.2000e-004	0.0827	0.0218	4.8000e-004	0.0223		74.3691	74.3691	1.6500e-003		74.4102
Total	**0.0422**	**0.2346**	**0.2835**	**1.2300e-003**	**0.0919**	**1.0600e-003**	**0.0930**	**0.0245**	**1.0000e-003**	**0.0255**		**126.3239**	**126.3239**	**5.1200e-003**		**126.4518**

3.7 Building A - Finish Work - 2021

Unmitigated Construction On-Site

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

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	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	0.0364	0.0232	0.2217	7.5000e-004	0.0822	5.2000e-004	0.0827	0.0218	4.8000e-004	0.0223		74.3691	74.3691	1.6500e-003		74.4102
Total	**0.0364**	**0.0232**	**0.2217**	**7.5000e-004**	**0.0822**	**5.2000e-004**	**0.0827**	**0.0218**	**4.8000e-004**	**0.0223**		**74.3691**	**74.3691**	**1.6500e-003**		**74.4102**

Mitigated Construction On-Site

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	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	0.0364	0.0232	0.2217	7.5000e-004	0.0822	5.2000e-004	0.0827	0.0218	4.8000e-004	0.0223		74.3691	74.3691	1.6500e-003		74.4102
Total	**0.0364**	**0.0232**	**0.2217**	**7.5000e-004**	**0.0822**	**5.2000e-004**	**0.0827**	**0.0218**	**4.8000e-004**	**0.0223**		**74.3691**	**74.3691**	**1.6500e-003**		**74.4102**

3.8 Building A - Architectural Coating - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	15.7021					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2189	1.5268	1.8176	2.9700e-003		0.0941	0.0941		0.0941	0.0941		281.4481	281.4481	0.0193		281.9309
Total	**15.9210**	**1.5268**	**1.8176**	**2.9700e-003**		**0.0941**	**0.0941**		**0.0941**	**0.0941**		**281.4481**	**281.4481**	**0.0193**		**281.9309**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	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	0.0364	0.0232	0.2217	7.5000e-004	0.0822	5.2000e-004	0.0827	0.0218	4.8000e-004	0.0223		74.3691	74.3691	1.6500e-003		74.4102
Total	**0.0364**	**0.0232**	**0.2217**	**7.5000e-004**	**0.0822**	**5.2000e-004**	**0.0827**	**0.0218**	**4.8000e-004**	**0.0223**		**74.3691**	**74.3691**	**1.6500e-003**		**74.4102**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	15.7021					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2189	1.5268	1.8176	2.9700e-003		0.0941	0.0941		0.0941	0.0941	0.0000	281.4481	281.4481	0.0193		281.9309
Total	**15.9210**	**1.5268**	**1.8176**	**2.9700e-003**		**0.0941**	**0.0941**		**0.0941**	**0.0941**	**0.0000**	**281.4481**	**281.4481**	**0.0193**		**281.9309**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	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	0.0364	0.0232	0.2217	7.5000e-004	0.0822	5.2000e-004	0.0827	0.0218	4.8000e-004	0.0223		74.3691	74.3691	1.6500e-003		74.4102
Total	**0.0364**	**0.0232**	**0.2217**	**7.5000e-004**	**0.0822**	**5.2000e-004**	**0.0827**	**0.0218**	**4.8000e-004**	**0.0223**		**74.3691**	**74.3691**	**1.6500e-003**		**74.4102**

3.9 Building A - Paving - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.0633	10.6478	11.7756	0.0178		0.5826	0.5826		0.5371	0.5371		1,709.1107	1,709.1107	0.5417		1,722.6524
Paving	0.0667					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.1300**	**10.6478**	**11.7756**	**0.0178**		**0.5826**	**0.5826**		**0.5371**	**0.5371**		**1,709.1107**	**1,709.1107**	**0.5417**		**1,722.6524**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	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	0.0582	0.0371	0.3548	1.1900e-003	0.1314	8.4000e-004	0.1323	0.0349	7.7000e-004	0.0356		118.9905	118.9905	2.6300e-003		119.0563
Total	**0.0582**	**0.0371**	**0.3548**	**1.1900e-003**	**0.1314**	**8.4000e-004**	**0.1323**	**0.0349**	**7.7000e-004**	**0.0356**		**118.9905**	**118.9905**	**2.6300e-003**		**119.0563**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.0633	10.6478	11.7756	0.0178		0.5826	0.5826		0.5371	0.5371	0.0000	1,709.1107	1,709.1107	0.5417		1,722.6524
Paving	0.0667					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.1300**	**10.6478**	**11.7756**	**0.0178**		**0.5826**	**0.5826**		**0.5371**	**0.5371**	**0.0000**	**1,709.1107**	**1,709.1107**	**0.5417**		**1,722.6524**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	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	0.0582	0.0371	0.3548	1.1900e-003	0.1314	8.4000e-004	0.1323	0.0349	7.7000e-004	0.0356		118.9905	118.9905	2.6300e-003		119.0563
Total	**0.0582**	**0.0371**	**0.3548**	**1.1900e-003**	**0.1314**	**8.4000e-004**	**0.1323**	**0.0349**	**7.7000e-004**	**0.0356**		**118.9905**	**118.9905**	**2.6300e-003**		**119.0563**

3.10 Building B and C - Pile Driving/Grading - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.5548	0.0000	6.5548	3.3679	0.0000	3.3679			0.0000			0.0000
Off-Road	2.0530	22.8585	11.5751	0.0288		0.9959	0.9959		0.9163	0.9163		2,793.6661	2,793.6661	0.9035		2,816.2543
Total	**2.0530**	**22.8585**	**11.5751**	**0.0288**	**6.5548**	**0.9959**	**7.5508**	**3.3679**	**0.9163**	**4.2841**		**2,793.6661**	**2,793.6661**	**0.9035**		**2,816.2543**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0128	0.4606	0.1344	1.0500e-003	0.0360	1.1700e-003	0.0372	9.4600e-003	1.1200e-003	0.0106		113.1874	113.1874	7.5600e-003		113.3763
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0509	0.0325	0.3104	1.0400e-003	0.1150	7.3000e-004	0.1157	0.0305	6.8000e-004	0.0312		104.1167	104.1167	2.3000e-003		104.1743
Total	**0.0637**	**0.4931**	**0.4449**	**2.0900e-003**	**0.1511**	**1.9000e-003**	**0.1530**	**0.0400**	**1.8000e-003**	**0.0418**		**217.3041**	**217.3041**	**9.8600e-003**		**217.5506**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					2.9497	0.0000	2.9497	1.5155	0.0000	1.5155			0.0000			0.0000
Off-Road	2.0530	22.8585	11.5751	0.0288		0.9959	0.9959		0.9163	0.9163	0.0000	2,793.6660	2,793.6660	0.9035		2,816.2543
Total	**2.0530**	**22.8585**	**11.5751**	**0.0288**	**2.9497**	**0.9959**	**3.9456**	**1.5155**	**0.9163**	**2.4318**	**0.0000**	**2,793.6660**	**2,793.6660**	**0.9035**		**2,816.2543**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0128	0.4606	0.1344	1.0500e-003	0.0360	1.1700e-003	0.0372	9.4600e-003	1.1200e-003	0.0106		113.1874	113.1874	7.5600e-003		113.3763
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0509	0.0325	0.3104	1.0400e-003	0.1150	7.3000e-004	0.1157	0.0305	6.8000e-004	0.0312		104.1167	104.1167	2.3000e-003		104.1743
Total	**0.0637**	**0.4931**	**0.4449**	**2.0900e-003**	**0.1511**	**1.9000e-003**	**0.1530**	**0.0400**	**1.8000e-003**	**0.0418**		**217.3041**	**217.3041**	**9.8600e-003**		**217.5506**

3.10 Building B and C - Pile Driving/Grading - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.5548	0.0000	6.5548	3.3679	0.0000	3.3679			0.0000			0.0000
Off-Road	1.7364	18.9667	11.0062	0.0289		0.8059	0.8059		0.7415	0.7415		2,794.8482	2,794.8482	0.9039		2,817.4459
Total	**1.7364**	**18.9667**	**11.0062**	**0.0289**	**6.5548**	**0.8059**	**7.3608**	**3.3679**	**0.7415**	**4.1093**		**2,794.8482**	**2,794.8482**	**0.9039**		**2,817.4459**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0119	0.4299	0.1292	1.0300e-003	0.0390	1.0200e-003	0.0400	0.0102	9.7000e-004	0.0112		111.7073	111.7073	7.4200e-003		111.8927
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0479	0.0292	0.2859	1.0100e-003	0.1150	7.2000e-004	0.1157	0.0305	6.6000e-004	0.0312		100.3171	100.3171	2.0700e-003		100.3690
Total	**0.0598**	**0.4591**	**0.4151**	**2.0400e-003**	**0.1540**	**1.7400e-003**	**0.1557**	**0.0407**	**1.6300e-003**	**0.0423**		**212.0244**	**212.0244**	**9.4900e-003**		**212.2616**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					2.9497	0.0000	2.9497	1.5155	0.0000	1.5155			0.0000			0.0000
Off-Road	1.7364	18.9667	11.0062	0.0289		0.8059	0.8059		0.7415	0.7415	0.0000	2,794.8482	2,794.8482	0.9039		2,817.4459
Total	**1.7364**	**18.9667**	**11.0062**	**0.0289**	**2.9497**	**0.8059**	**3.7556**	**1.5155**	**0.7415**	**2.2570**	**0.0000**	**2,794.8482**	**2,794.8482**	**0.9039**		**2,817.4459**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0119	0.4299	0.1292	1.0300e-003	0.0390	1.0200e-003	0.0400	0.0102	9.7000e-004	0.0112		111.7073	111.7073	7.4200e-003		111.8927
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0479	0.0292	0.2859	1.0100e-003	0.1150	7.2000e-004	0.1157	0.0305	6.6000e-004	0.0312		100.3171	100.3171	2.0700e-003		100.3690
Total	**0.0598**	**0.4591**	**0.4151**	**2.0400e-003**	**0.1540**	**1.7400e-003**	**0.1557**	**0.0407**	**1.6300e-003**	**0.0423**		**212.0244**	**212.0244**	**9.4900e-003**		**212.2616**

3.11 Building B and C - Utilities - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.5663	5.1567	5.8541	8.5400e-003		0.3254	0.3254		0.2994	0.2994		826.9647	826.9647	0.2675		833.6511
Total	**0.5663**	**5.1567**	**5.8541**	**8.5400e-003**		**0.3254**	**0.3254**		**0.2994**	**0.2994**		**826.9647**	**826.9647**	**0.2675**		**833.6511**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	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	0.0205	0.0125	0.1225	4.3000e-004	0.0493	3.1000e-004	0.0496	0.0131	2.8000e-004	0.0134		42.9931	42.9931	8.9000e-004		43.0153
Total	**0.0205**	**0.0125**	**0.1225**	**4.3000e-004**	**0.0493**	**3.1000e-004**	**0.0496**	**0.0131**	**2.8000e-004**	**0.0134**		**42.9931**	**42.9931**	**8.9000e-004**		**43.0153**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.5663	5.1567	5.8541	8.5400e-003		0.3254	0.3254		0.2994	0.2994	0.0000	826.9647	826.9647	0.2675		833.6511
Total	**0.5663**	**5.1567**	**5.8541**	**8.5400e-003**		**0.3254**	**0.3254**		**0.2994**	**0.2994**	**0.0000**	**826.9647**	**826.9647**	**0.2675**		**833.6511**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	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	0.0205	0.0125	0.1225	4.3000e-004	0.0493	3.1000e-004	0.0496	0.0131	2.8000e-004	0.0134		42.9931	42.9931	8.9000e-004		43.0153
Total	**0.0205**	**0.0125**	**0.1225**	**4.3000e-004**	**0.0493**	**3.1000e-004**	**0.0496**	**0.0131**	**2.8000e-004**	**0.0134**		**42.9931**	**42.9931**	**8.9000e-004**		**43.0153**

3.12 Building B and C - Building Construction - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.8555	14.6040	14.3533	0.0250		0.7022	0.7022		0.6731	0.6731		2,289.2813	2,289.2813	0.4417		2,300.3230
Total	**1.8555**	**14.6040**	**14.3533**	**0.0250**		**0.7022**	**0.7022**		**0.6731**	**0.6731**		**2,289.2813**	**2,289.2813**	**0.4417**		**2,300.3230**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	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	0.0679	1.8828	0.7046	5.1600e-003	0.1353	4.2500e-003	0.1396	0.0389	4.0600e-003	0.0430		548.5789	548.5789	0.0267		549.2465
Worker	0.1778	0.1086	1.0621	3.7400e-003	0.4272	2.6600e-003	0.4298	0.1133	2.4500e-003	0.1158		372.6065	372.6065	7.7000e-003		372.7991
Total	**0.2458**	**1.9913**	**1.7666**	**8.9000e-003**	**0.5625**	**6.9100e-003**	**0.5694**	**0.1522**	**6.5100e-003**	**0.1588**		**921.1854**	**921.1854**	**0.0344**		**922.0456**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.8555	14.6040	14.3533	0.0250		0.7022	0.7022		0.6731	0.6731	0.0000	2,289.2813	2,289.2813	0.4417		2,300.3230
Total	**1.8555**	**14.6040**	**14.3533**	**0.0250**		**0.7022**	**0.7022**		**0.6731**	**0.6731**	**0.0000**	**2,289.2813**	**2,289.2813**	**0.4417**		**2,300.3230**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	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	0.0679	1.8828	0.7046	5.1600e-003	0.1353	4.2500e-003	0.1396	0.0389	4.0600e-003	0.0430		548.5789	548.5789	0.0267		549.2465
Worker	0.1778	0.1086	1.0621	3.7400e-003	0.4272	2.6600e-003	0.4298	0.1133	2.4500e-003	0.1158		372.6065	372.6065	7.7000e-003		372.7991
Total	**0.2458**	**1.9913**	**1.7666**	**8.9000e-003**	**0.5625**	**6.9100e-003**	**0.5694**	**0.1522**	**6.5100e-003**	**0.1588**		**921.1854**	**921.1854**	**0.0344**		**922.0456**

3.12 Building B and C - Building Construction - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.7136	13.6239	14.2145	0.0250		0.6136	0.6136		0.5880	0.5880		2,289.5233	2,289.5233	0.4330		2,300.3479
Total	**1.7136**	**13.6239**	**14.2145**	**0.0250**		**0.6136**	**0.6136**		**0.5880**	**0.5880**		**2,289.5233**	**2,289.5233**	**0.4330**		**2,300.3479**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	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	0.0538	1.4707	0.6415	5.0200e-003	0.1353	2.1400e-003	0.1374	0.0390	2.0400e-003	0.0410		534.3012	534.3012	0.0246		534.9149
Worker	0.1674	0.0977	0.9744	3.5900e-003	0.4272	2.6000e-003	0.4298	0.1133	2.4000e-003	0.1157		358.3726	358.3726	6.8900e-003		358.5450
Total	**0.2212**	**1.5684**	**1.6159**	**8.6100e-003**	**0.5625**	**4.7400e-003**	**0.5672**	**0.1523**	**4.4400e-003**	**0.1567**		**892.6738**	**892.6738**	**0.0314**		**893.4599**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.7136	13.6239	14.2145	0.0250		0.6136	0.6136		0.5880	0.5880	0.0000	2,289.5233	2,289.5233	0.4330		2,300.3479
Total	**1.7136**	**13.6239**	**14.2145**	**0.0250**		**0.6136**	**0.6136**		**0.5880**	**0.5880**	**0.0000**	**2,289.5233**	**2,289.5233**	**0.4330**		**2,300.3479**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	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	0.0538	1.4707	0.6415	5.0200e-003	0.1353	2.1400e-003	0.1374	0.0390	2.0400e-003	0.0410		534.3012	534.3012	0.0246		534.9149
Worker	0.1674	0.0977	0.9744	3.5900e-003	0.4272	2.6000e-003	0.4298	0.1133	2.4000e-003	0.1157		358.3726	358.3726	6.8900e-003		358.5450
Total	**0.2212**	**1.5684**	**1.6159**	**8.6100e-003**	**0.5625**	**4.7400e-003**	**0.5672**	**0.1523**	**4.4400e-003**	**0.1567**		**892.6738**	**892.6738**	**0.0314**		**893.4599**

3.13 Site Work - Grading 2 - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.5523	0.0000	6.5523	3.3675	0.0000	3.3675			0.0000			0.0000
Off-Road	1.5403	16.9836	9.2202	0.0206		0.7423	0.7423		0.6829	0.6829		1,995.4825	1,995.4825	0.6454		2,011.6169
Total	**1.5403**	**16.9836**	**9.2202**	**0.0206**	**6.5523**	**0.7423**	**7.2946**	**3.3675**	**0.6829**	**4.0504**		**1,995.4825**	**1,995.4825**	**0.6454**		**2,011.6169**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	5.4600e-003	0.1973	0.0593	4.7000e-004	9.7900e-003	4.7000e-004	0.0103	2.6800e-003	4.5000e-004	3.1300e-003		51.2755	51.2755	3.4000e-003		51.3606
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0342	0.0209	0.2042	7.2000e-004	0.0822	5.1000e-004	0.0827	0.0218	4.7000e-004	0.0223		71.6551	71.6551	1.4800e-003		71.6921
Total	**0.0397**	**0.2182**	**0.2635**	**1.1900e-003**	**0.0919**	**9.8000e-004**	**0.0929**	**0.0245**	**9.2000e-004**	**0.0254**		**122.9306**	**122.9306**	**4.8800e-003**		**123.0527**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					2.9486	0.0000	2.9486	1.5154	0.0000	1.5154			0.0000			0.0000
Off-Road	1.5403	16.9836	9.2202	0.0206		0.7423	0.7423		0.6829	0.6829	0.0000	1,995.4825	1,995.4825	0.6454		2,011.6169
Total	**1.5403**	**16.9836**	**9.2202**	**0.0206**	**2.9486**	**0.7423**	**3.6908**	**1.5154**	**0.6829**	**2.1983**	**0.0000**	**1,995.4825**	**1,995.4825**	**0.6454**		**2,011.6169**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	5.4600e-003	0.1973	0.0593	4.7000e-004	9.7900e-003	4.7000e-004	0.0103	2.6800e-003	4.5000e-004	3.1300e-003		51.2755	51.2755	3.4000e-003		51.3606
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0342	0.0209	0.2042	7.2000e-004	0.0822	5.1000e-004	0.0827	0.0218	4.7000e-004	0.0223		71.6551	71.6551	1.4800e-003		71.6921
Total	**0.0397**	**0.2182**	**0.2635**	**1.1900e-003**	**0.0919**	**9.8000e-004**	**0.0929**	**0.0245**	**9.2000e-004**	**0.0254**		**122.9306**	**122.9306**	**4.8800e-003**		**123.0527**

3.14 Building B and C - Paving - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9412	9.3322	11.6970	0.0179		0.4879	0.4879		0.4500	0.4500		1,709.6892	1,709.6892	0.5419		1,723.2356
Paving	0.0682					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.0094**	**9.3322**	**11.6970**	**0.0179**		**0.4879**	**0.4879**		**0.4500**	**0.4500**		**1,709.6892**	**1,709.6892**	**0.5419**		**1,723.2356**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	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	0.0547	0.0334	0.3268	1.1500e-003	0.1314	8.2000e-004	0.1323	0.0349	7.5000e-004	0.0356		114.6482	114.6482	2.3700e-003		114.7074
Total	**0.0547**	**0.0334**	**0.3268**	**1.1500e-003**	**0.1314**	**8.2000e-004**	**0.1323**	**0.0349**	**7.5000e-004**	**0.0356**		**114.6482**	**114.6482**	**2.3700e-003**		**114.7074**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9412	9.3322	11.6970	0.0179		0.4879	0.4879		0.4500	0.4500	0.0000	1,709.6892	1,709.6892	0.5419		1,723.2356
Paving	0.0682					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.0094**	**9.3322**	**11.6970**	**0.0179**		**0.4879**	**0.4879**		**0.4500**	**0.4500**	**0.0000**	**1,709.6892**	**1,709.6892**	**0.5419**		**1,723.2356**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	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	0.0547	0.0334	0.3268	1.1500e-003	0.1314	8.2000e-004	0.1323	0.0349	7.5000e-004	0.0356		114.6482	114.6482	2.3700e-003		114.7074
Total	**0.0547**	**0.0334**	**0.3268**	**1.1500e-003**	**0.1314**	**8.2000e-004**	**0.1323**	**0.0349**	**7.5000e-004**	**0.0356**		**114.6482**	**114.6482**	**2.3700e-003**		**114.7074**

3.15 Building B and C - Finish Work - 2023

Unmitigated Construction On-Site

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

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	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	0.0322	0.0188	0.1874	6.9000e-004	0.0822	5.0000e-004	0.0827	0.0218	4.6000e-004	0.0223		68.9178	68.9178	1.3300e-003		68.9510
Total	**0.0322**	**0.0188**	**0.1874**	**6.9000e-004**	**0.0822**	**5.0000e-004**	**0.0827**	**0.0218**	**4.6000e-004**	**0.0223**		**68.9178**	**68.9178**	**1.3300e-003**		**68.9510**

Mitigated Construction On-Site

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	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	0.0322	0.0188	0.1874	6.9000e-004	0.0822	5.0000e-004	0.0827	0.0218	4.6000e-004	0.0223		68.9178	68.9178	1.3300e-003		68.9510
Total	**0.0322**	**0.0188**	**0.1874**	**6.9000e-004**	**0.0822**	**5.0000e-004**	**0.0827**	**0.0218**	**4.6000e-004**	**0.0223**		**68.9178**	**68.9178**	**1.3300e-003**		**68.9510**

3.16 Building B and C - Architectural Coating - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	16.0673					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1917	1.3030	1.8111	2.9700e-003		0.0708	0.0708		0.0708	0.0708		281.4481	281.4481	0.0168		281.8690
Total	**16.2589**	**1.3030**	**1.8111**	**2.9700e-003**		**0.0708**	**0.0708**		**0.0708**	**0.0708**		**281.4481**	**281.4481**	**0.0168**		**281.8690**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	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	0.0322	0.0188	0.1874	6.9000e-004	0.0822	5.0000e-004	0.0827	0.0218	4.6000e-004	0.0223		68.9178	68.9178	1.3300e-003		68.9510
Total	**0.0322**	**0.0188**	**0.1874**	**6.9000e-004**	**0.0822**	**5.0000e-004**	**0.0827**	**0.0218**	**4.6000e-004**	**0.0223**		**68.9178**	**68.9178**	**1.3300e-003**		**68.9510**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	16.0673					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1917	1.3030	1.8111	2.9700e-003		0.0708	0.0708		0.0708	0.0708	0.0000	281.4481	281.4481	0.0168		281.8690
Total	**16.2589**	**1.3030**	**1.8111**	**2.9700e-003**		**0.0708**	**0.0708**		**0.0708**	**0.0708**	**0.0000**	**281.4481**	**281.4481**	**0.0168**		**281.8690**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	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	0.0322	0.0188	0.1874	6.9000e-004	0.0822	5.0000e-004	0.0827	0.0218	4.6000e-004	0.0223		68.9178	68.9178	1.3300e-003		68.9510
Total	**0.0322**	**0.0188**	**0.1874**	**6.9000e-004**	**0.0822**	**5.0000e-004**	**0.0827**	**0.0218**	**4.6000e-004**	**0.0223**		**68.9178**	**68.9178**	**1.3300e-003**		**68.9510**

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	0.9054	3.0540	11.2653	0.0411	4.3660	0.0394	4.4054	1.1667	0.0368	1.2036		4,143.2317	4,143.2317	0.1307		4,146.4995
Unmitigated	0.9054	3.0540	11.2653	0.0411	4.3660	0.0394	4.4054	1.1667	0.0368	1.2036		4,143.2317	4,143.2317	0.1307		4,146.4995

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
General Light Industry	706.21	133.80	68.91	1,557,254	1,557,254
Other Non-Asphalt Surfaces	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Total	706.21	133.80	68.91	1,557,254	1,557,254

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
General Light Industry	9.50	7.30	7.30	59.00	28.00	13.00	92	5	3
Other Non-Asphalt Surfaces	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0
Parking Lot	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
General Light Industry	0.598301	0.039360	0.198316	0.109153	0.015323	0.005191	0.010619	0.011654	0.002041	0.002927	0.005696	0.000707	0.000711
Other Non-Asphalt Surfaces	0.598301	0.039360	0.198316	0.109153	0.015323	0.005191	0.010619	0.011654	0.002041	0.002927	0.005696	0.000707	0.000711
Parking Lot	0.598301	0.039360	0.198316	0.109153	0.015323	0.005191	0.010619	0.011654	0.002041	0.002927	0.005696	0.000707	0.000711

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Exceed Title 24

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.0288	0.2620	0.2201	1.5700e-003		0.0199	0.0199		0.0199	0.0199		314.4459	314.4459	6.0300e-003	5.7600e-003	316.3145
NaturalGas Unmitigated	0.0368	0.3344	0.2809	2.0100e-003		0.0254	0.0254		0.0254	0.0254		401.2651	401.2651	7.6900e-003	7.3600e-003	403.6496

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
General Light Industry	3410.75	0.0368	0.3344	0.2809	2.0100e-003		0.0254	0.0254		0.0254	0.0254		401.2651	401.2651	7.6900e-003	7.3600e-003	403.6496
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		**0.0368**	**0.3344**	**0.2809**	**2.0100e-003**		**0.0254**	**0.0254**		**0.0254**	**0.0254**		**401.2651**	**401.2651**	**7.6900e-003**	**7.3600e-003**	**403.6496**

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
General Light Industry	2.67279	0.0288	0.2620	0.2201	1.5700e-003		0.0199	0.0199		0.0199	0.0199		314.4459	314.4459	6.0300e-003	5.7600e-003	316.3145
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		**0.0288**	**0.2620**	**0.2201**	**1.5700e-003**		**0.0199**	**0.0199**		**0.0199**	**0.0199**		**314.4459**	**314.4459**	**6.0300e-003**	**5.7600e-003**	**316.3145**

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	1.2552	1.5000e-004	0.0162	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0348	0.0348	9.0000e-005		0.0370
Unmitigated	1.2552	1.5000e-004	0.0162	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0348	0.0348	9.0000e-005		0.0370

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	0.1519					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1.1018					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.4900e-003	1.5000e-004	0.0162	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0348	0.0348	9.0000e-005		0.0370
Total	**1.2552**	**1.5000e-004**	**0.0162**	**0.0000**		**6.0000e-005**	**6.0000e-005**		**6.0000e-005**	**6.0000e-005**		**0.0348**	**0.0348**	**9.0000e-005**		**0.0370**

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	0.1519					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1.1018					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.4900e-003	1.5000e-004	0.0162	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0348	0.0348	9.0000e-005		0.0370
Total	**1.2552**	**1.5000e-004**	**0.0162**	**0.0000**		**6.0000e-005**	**6.0000e-005**		**6.0000e-005**	**6.0000e-005**		**0.0348**	**0.0348**	**9.0000e-005**		**0.0370**