

Jupiter, Apple Valley
Mojave Desert Air Basin, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Unrefrigerated Warehouse-No Rail	1,362.46	1000sqft	73.03	1,362,465.00	0
Other Non-Asphalt Surfaces	48.25	1000sqft	1.11	48,250.00	0
Parking Lot	1,409.65	1000sqft	32.36	1,409,651.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.6	Precipitation Freq (Days)	31
Climate Zone	10			Operational Year	2017
Utility Company	Southern California Edison				
CO2 Intensity (lb/MW hr)	630.89	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - Development of a warehouse/distribution center.

Construction Phase - Assumes a 1.5 year buildout, beginning in January 2016 ending in May 2017.

Grading - Assumes net soil ballance on-site.

Architectural Coating - Low VOC paint per SCAQMD Rule 1113.

Construction Off-road Equipment Mitigation - Assumes standard dust control measures and application of oxidation catalysts (15% reduction).

Area Coating - Low VOC paint per SCAQMD Rule 1113.

Area Mitigation - Lowest VOC paint allowed.

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	250.00	100.00
tblArchitecturalCoating	EF_Nonresidential_Interior	250.00	100.00
tblArchitecturalCoating	EF_Residential_Exterior	250.00	100.00
tblArchitecturalCoating	EF_Residential_Interior	250.00	100.00
tblAreaCoating	Area_EF_Nonresidential_Exterior	250	100
tblAreaCoating	ReapplicationRatePercent	10	5
tblAreaMitigation	UseLowVOCPaintNonresidentialExteriorValue	100	50
tblAreaMitigation	UseLowVOCPaintNonresidentialInteriorValue	250	50
tblAreaMitigation	UseLowVOCPaintResidentialExteriorValue	250	50
tblAreaMitigation	UseLowVOCPaintResidentialInteriorValue	250	50
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	6.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	8.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	18.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	OxidationCatalyst	0.00	15.00
tblConstEquipMitigation	OxidationCatalyst	0.00	15.00
tblConstEquipMitigation	OxidationCatalyst	0.00	15.00

tblConstEquipMitigation	OxidationCatalyst	0.00	15.00
tblConstEquipMitigation	OxidationCatalyst	0.00	15.00
tblConstEquipMitigation	OxidationCatalyst	0.00	15.00
tblConstEquipMitigation	OxidationCatalyst	0.00	15.00
tblConstEquipMitigation	OxidationCatalyst	0.00	15.00
tblConstEquipMitigation	OxidationCatalyst	0.00	15.00
tblConstEquipMitigation	OxidationCatalyst	0.00	15.00
tblConstEquipMitigation	OxidationCatalyst	0.00	15.00
tblConstEquipMitigation	OxidationCatalyst	0.00	15.00
tblConstEquipMitigation	OxidationCatalyst	0.00	15.00
tblConstructionPhase	NumDays	220.00	129.00
tblConstructionPhase	NumDays	3,100.00	200.00
tblConstructionPhase	NumDays	310.00	50.00
tblConstructionPhase	NumDays	220.00	100.00
tblConstructionPhase	NumDays	120.00	50.00
tblConstructionPhase	PhaseEndDate	8/17/2017	5/30/2017
tblConstructionPhase	PhaseEndDate	7/13/2017	2/17/2017
tblConstructionPhase	PhaseStartDate	2/18/2017	12/1/2016
tblConstructionPhase	PhaseStartDate	2/24/2017	10/1/2016
tblLandUse	LandUseSquareFeet	1,362,460.00	1,362,465.00
tblLandUse	LandUseSquareFeet	1,409,650.00	1,409,651.00
tblLandUse	LotAcreage	31.28	73.03
tblProjectCharacteristics	OperationalYear	2014	2017

2.0 Emissions Summary

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	64.3050	2.7800e-003	0.2934	2.0000e-005		1.0600e-003	1.0600e-003		1.0600e-003	1.0600e-003		0.6172	0.6172	1.7200e-003		0.6533
Energy	0.0862	0.7832	0.6579	4.7000e-003		0.0595	0.0595		0.0595	0.0595		939.7825	939.7825	0.0180	0.0172	945.5018
Mobile	17.9848	47.4052	224.0806	0.3619	21.9200	0.7605	22.6805	5.8545	0.6993	6.5538		31,051.2745	31,051.2745	1.1939		31,076.3467
Total	82.3760	48.1911	225.0319	0.3666	21.9200	0.8211	22.7411	5.8545	0.7599	6.6144		31,991.6742	31,991.6742	1.2137	0.0172	32,022.5019

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	61.3067	2.7800e-003	0.2934	2.0000e-005		1.0600e-003	1.0600e-003		1.0600e-003	1.0600e-003		0.6172	0.6172	1.7200e-003		0.6533
Energy	0.0862	0.7832	0.6579	4.7000e-003		0.0595	0.0595		0.0595	0.0595		939.7825	939.7825	0.0180	0.0172	945.5018
Mobile	17.9848	47.4052	224.0806	0.3619	21.9200	0.7605	22.6805	5.8545	0.6993	6.5538		31,051.2745	31,051.2745	1.1939		31,076.3467
Total	79.3777	48.1911	225.0319	0.3666	21.9200	0.8211	22.7411	5.8545	0.7599	6.6144		31,991.6742	31,991.6742	1.2137	0.0172	32,022.5019

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	3.64	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	1/1/2016	3/10/2016	5	50	
2	Grading	Grading	3/11/2016	5/19/2016	5	50	
3	Building Construction	Building Construction	5/20/2016	2/23/2017	5	200	
4	Paving	Paving	10/1/2016	2/17/2017	5	100	
5	Architectural Coating	Architectural Coating	12/1/2016	5/30/2017	5	129	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 125

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 2,179,507; Non-Residential Outdoor: 726,502 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
	Air Compressors	1	6.00	78	0.48
	Cranes	1	7.00	226	0.29
	Excavators	2	8.00	162	0.38
	Forklifts	3	8.00	89	0.20
	Generator Sets	1	8.00	84	0.74

	Graders	1	8.00	174	0.41
	Pavers	2	8.00	125	0.42
	Paving Equipment	2	8.00	130	0.36
	Rollers	2	8.00	80	0.38
	Rubber Tired Dozers	1	8.00	255	0.40
	Rubber Tired Dozers	3	8.00	255	0.40
	Scrapers	2	8.00	361	0.48
	Tractors/Loaders/Backhoes	3	7.00	97	0.37
	Tractors/Loaders/Backhoes	2	8.00	97	0.37
	Tractors/Loaders/Backhoes	4	8.00	97	0.37
	Welders	1	8.00	46	0.45
Site Preparation	Rubber Tired Dozers	3	8.00	255	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading	Excavators	2	8.00	162	0.38
Grading	Graders	1	8.00	174	0.41
Grading	Rubber Tired Dozers	1	8.00	255	0.40
Grading	Scrapers	2	8.00	361	0.48
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Building Construction	Cranes	1	7.00	226	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Paving	Pavers	2	8.00	125	0.42
Paving	Paving Equipment	2	8.00	130	0.36
Paving	Rollers	2	8.00	80	0.38
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Site Preparation	7	18.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	1,185.00	462.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	237.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Oxidation Catalyst for Construction Equipment

Use Soil Stabilizer

Water Exposed Area

3.2 Site Preparation - 2016

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	5.0771	54.6323	41.1053	0.0391		2.9387	2.9387		2.7036	2.7036		4,065.0053	4,065.0053	1.2262		4,090.7544
Total	5.0771	54.6323	41.1053	0.0391	18.0663	2.9387	21.0049	9.9307	2.7036	12.6343		4,065.0053	4,065.0053	1.2262		4,090.7544

3.2 Site Preparation - 2016

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive 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	0.0835	0.1065	1.2794	1.9000e-003	0.1479	1.1300e-003	0.1490	0.0392	1.0300e-003	0.0403		156.2481	156.2481	9.4300e-003		156.4462
Total	0.0835	0.1065	1.2794	1.9000e-003	0.1479	1.1300e-003	0.1490	0.0392	1.0300e-003	0.0403		156.2481	156.2481	9.4300e-003		156.4462

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					7.0458	0.0000	7.0458	3.8730	0.0000	3.8730			0.0000			0.0000
Off-Road	5.0771	46.4375	41.1053	0.0391		2.9387	2.9387		2.7036	2.7036	0.0000	4,065.0053	4,065.0053	1.2262		4,090.7544
Total	5.0771	46.4375	41.1053	0.0391	7.0458	2.9387	9.9845	3.8730	2.7036	6.5766	0.0000	4,065.0053	4,065.0053	1.2262		4,090.7544

3.2 Site Preparation - 2016

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive 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	0.0835	0.1065	1.2794	1.9000e-003	0.1479	1.1300e-003	0.1490	0.0392	1.0300e-003	0.0403		156.2481	156.2481	9.4300e-003		156.4462
Total	0.0835	0.1065	1.2794	1.9000e-003	0.1479	1.1300e-003	0.1490	0.0392	1.0300e-003	0.0403		156.2481	156.2481	9.4300e-003		156.4462

3.3 Grading - 2016

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					8.6733	0.0000	8.6733	3.5965	0.0000	3.5965			0.0000			0.0000
Off-Road	6.4795	74.8137	49.1374	0.0617		3.5842	3.5842		3.2975	3.2975		6,414.9807	6,414.9807	1.9350		6,455.6154
Total	6.4795	74.8137	49.1374	0.0617	8.6733	3.5842	12.2576	3.5965	3.2975	6.8940		6,414.9807	6,414.9807	1.9350		6,455.6154

3.3 Grading - 2016

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive 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	0.0928	0.1184	1.4216	2.1100e-003	0.1643	1.2500e-003	0.1656	0.0436	1.1400e-003	0.0447		173.6090	173.6090	0.0105		173.8291
Total	0.0928	0.1184	1.4216	2.1100e-003	0.1643	1.2500e-003	0.1656	0.0436	1.1400e-003	0.0447		173.6090	173.6090	0.0105		173.8291

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					3.3826	0.0000	3.3826	1.4026	0.0000	1.4026			0.0000			0.0000
Off-Road	6.4795	63.5917	49.1374	0.0617		3.5842	3.5842		3.2975	3.2975	0.0000	6,414.9807	6,414.9807	1.9350		6,455.6154
Total	6.4795	63.5917	49.1374	0.0617	3.3826	3.5842	6.9668	1.4026	3.2975	4.7001	0.0000	6,414.9807	6,414.9807	1.9350		6,455.6154

3.3 Grading - 2016

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive 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	0.0928	0.1184	1.4216	2.1100e-003	0.1643	1.2500e-003	0.1656	0.0436	1.1400e-003	0.0447		173.6090	173.6090	0.0105			173.8291
Total	0.0928	0.1184	1.4216	2.1100e-003	0.1643	1.2500e-003	0.1656	0.0436	1.1400e-003	0.0447		173.6090	173.6090	0.0105			173.8291

3.4 Building Construction - 2016

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	3.4062	28.5063	18.5066	0.0268		1.9674	1.9674		1.8485	1.8485		2,669.2864	2,669.2864	0.6620			2,683.1890
Total	3.4062	28.5063	18.5066	0.0268		1.9674	1.9674		1.8485	1.8485		2,669.2864	2,669.2864	0.6620			2,683.1890

3.4 Building Construction - 2016

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive 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	5.6993	36.5874	69.4512	0.1025	3.0268	0.8555	3.8823	0.8576	0.7866	1.6442		10,223.1158	10,223.1158	0.0643			10,224.4664
Worker	5.4988	7.0138	84.2295	0.1249	9.7345	0.0741	9.8086	2.5820	0.0677	2.6498		10,286.3310	10,286.3310	0.6210			10,299.3716
Total	11.1981	43.6012	153.6808	0.2273	12.7613	0.9296	13.6909	3.4396	0.8543	4.2939		20,509.4469	20,509.4469	0.6853			20,523.8380

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	3.4062	24.2304	18.5066	0.0268		1.9674	1.9674		1.8485	1.8485	0.0000	2,669.2864	2,669.2864	0.6620			2,683.1890
Total	3.4062	24.2304	18.5066	0.0268		1.9674	1.9674		1.8485	1.8485	0.0000	2,669.2864	2,669.2864	0.6620			2,683.1890

3.4 Building Construction - 2016

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive 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	5.6993	36.5874	69.4512	0.1025	3.0268	0.8555	3.8823	0.8576	0.7866	1.6442		10,223.1158	10,223.1158	0.0643			10,224.4664
Worker	5.4988	7.0138	84.2295	0.1249	9.7345	0.0741	9.8086	2.5820	0.0677	2.6498		10,286.3310	10,286.3310	0.6210			10,299.3716
Total	11.1981	43.6012	153.6808	0.2273	12.7613	0.9296	13.6909	3.4396	0.8543	4.2939		20,509.4469	20,509.4469	0.6853			20,523.8380

3.4 Building Construction - 2017

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	3.1024	26.4057	18.1291	0.0268		1.7812	1.7812		1.6730	1.6730		2,639.8053	2,639.8053	0.6497			2,653.4490
Total	3.1024	26.4057	18.1291	0.0268		1.7812	1.7812		1.6730	1.6730		2,639.8053	2,639.8053	0.6497			2,653.4490

3.4 Building Construction - 2017

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive 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	5.0127	32.4510	62.5820	0.1022	3.0276	0.7538	3.7814	0.8579	0.6932	1.5511		10,049.64 32	10,049.64 32	0.0606			10,050.91 53
Worker	4.7631	6.2629	74.6272	0.1247	9.7345	0.0705	9.8050	2.5820	0.0648	2.6469		9,881.419 7	9,881.419 7	0.5652			9,893.289 1
Total	9.7757	38.7139	137.2092	0.2270	12.7621	0.8243	13.5865	3.4400	0.7580	4.1980		19,931.06 29	19,931.06 29	0.6258			19,944.20 44

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	3.1024	22.4448	18.1291	0.0268		1.7812	1.7812		1.6730	1.6730	0.0000	2,639.805 3	2,639.805 3	0.6497			2,653.449 0
Total	3.1024	22.4448	18.1291	0.0268		1.7812	1.7812		1.6730	1.6730	0.0000	2,639.805 3	2,639.805 3	0.6497			2,653.449 0

3.4 Building Construction - 2017

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive 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	5.0127	32.4510	62.5820	0.1022	3.0276	0.7538	3.7814	0.8579	0.6932	1.5511		10,049.64 32	10,049.64 32	0.0606			10,050.91 53
Worker	4.7631	6.2629	74.6272	0.1247	9.7345	0.0705	9.8050	2.5820	0.0648	2.6469		9,881.419 7	9,881.419 7	0.5652			9,893.289 1
Total	9.7757	38.7139	137.2092	0.2270	12.7621	0.8243	13.5865	3.4400	0.7580	4.1980		19,931.06 29	19,931.06 29	0.6258			19,944.20 44

3.5 Paving - 2016

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	2.0898	22.3859	14.8176	0.0223		1.2610	1.2610		1.1601	1.1601		2,316.376 7	2,316.376 7	0.6987			2,331.049 5
Paving	0.8478					0.0000	0.0000		0.0000	0.0000			0.0000				0.0000
Total	2.9376	22.3859	14.8176	0.0223		1.2610	1.2610		1.1601	1.1601		2,316.376 7	2,316.376 7	0.6987			2,331.049 5

3.5 Paving - 2016

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive 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	0.0696	0.0888	1.0662	1.5800e-003	0.1232	9.4000e-004	0.1242	0.0327	8.6000e-004	0.0335		130.2067	130.2067	7.8600e-003			130.3718
Total	0.0696	0.0888	1.0662	1.5800e-003	0.1232	9.4000e-004	0.1242	0.0327	8.6000e-004	0.0335		130.2067	130.2067	7.8600e-003			130.3718

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	2.0898	19.0280	14.8176	0.0223		1.2610	1.2610		1.1601	1.1601	0.0000	2,316.3767	2,316.3767	0.6987			2,331.0495
Paving	0.8478					0.0000	0.0000		0.0000	0.0000			0.0000				0.0000
Total	2.9376	19.0280	14.8176	0.0223		1.2610	1.2610		1.1601	1.1601	0.0000	2,316.3767	2,316.3767	0.6987			2,331.0495

3.5 Paving - 2016

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive 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	0.0696	0.0888	1.0662	1.5800e-003	0.1232	9.4000e-004	0.1242	0.0327	8.6000e-004	0.0335		130.2067	130.2067	7.8600e-003			130.3718
Total	0.0696	0.0888	1.0662	1.5800e-003	0.1232	9.4000e-004	0.1242	0.0327	8.6000e-004	0.0335		130.2067	130.2067	7.8600e-003			130.3718

3.5 Paving - 2017

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	1.9074	20.2964	14.7270	0.0223		1.1384	1.1384		1.0473	1.0473		2,281.0588	2,281.0588	0.6989			2,295.7360
Paving	0.8478					0.0000	0.0000		0.0000	0.0000			0.0000				0.0000
Total	2.7552	20.2964	14.7270	0.0223		1.1384	1.1384		1.0473	1.0473		2,281.0588	2,281.0588	0.6989			2,295.7360

3.5 Paving - 2017

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive 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	0.0603	0.0793	0.9447	1.5800e-003	0.1232	8.9000e-004	0.1241	0.0327	8.2000e-004	0.0335		125.0813	125.0813	7.1500e-003			125.2315
Total	0.0603	0.0793	0.9447	1.5800e-003	0.1232	8.9000e-004	0.1241	0.0327	8.2000e-004	0.0335		125.0813	125.0813	7.1500e-003			125.2315

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	1.9074	17.2520	14.7270	0.0223		1.1384	1.1384		1.0473	1.0473	0.0000	2,281.0588	2,281.0588	0.6989			2,295.7360
Paving	0.8478					0.0000	0.0000		0.0000	0.0000			0.0000				0.0000
Total	2.7552	17.2520	14.7270	0.0223		1.1384	1.1384		1.0473	1.0473	0.0000	2,281.0588	2,281.0588	0.6989			2,295.7360

3.5 Paving - 2017

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive 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	0.0603	0.0793	0.9447	1.5800e-003	0.1232	8.9000e-004	0.1241	0.0327	8.2000e-004	0.0335		125.0813	125.0813	7.1500e-003			125.2315
Total	0.0603	0.0793	0.9447	1.5800e-003	0.1232	8.9000e-004	0.1241	0.0327	8.2000e-004	0.0335		125.0813	125.0813	7.1500e-003			125.2315

3.6 Architectural Coating - 2016

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	104.4136					0.0000	0.0000		0.0000	0.0000			0.0000				0.0000
Off-Road	0.3685	2.3722	1.8839	2.9700e-003		0.1966	0.1966		0.1966	0.1966		281.4481	281.4481	0.0332			282.1449
Total	104.7820	2.3722	1.8839	2.9700e-003		0.1966	0.1966		0.1966	0.1966		281.4481	281.4481	0.0332			282.1449

3.6 Architectural Coating - 2016

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive 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	1.0998	1.4028	16.8459	0.0250	1.9469	0.0148	1.9617	0.5164	0.0136	0.5300		2,057.266 2	2,057.266 2	0.1242			2,059.874 3
Total	1.0998	1.4028	16.8459	0.0250	1.9469	0.0148	1.9617	0.5164	0.0136	0.5300		2,057.266 2	2,057.266 2	0.1242			2,059.874 3

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	104.4136					0.0000	0.0000		0.0000	0.0000			0.0000				0.0000
Off-Road	0.3685	2.0164	1.8839	2.9700e-003		0.1966	0.1966		0.1966	0.1966	0.0000	281.4481	281.4481	0.0332			282.1449
Total	104.7820	2.0164	1.8839	2.9700e-003		0.1966	0.1966		0.1966	0.1966	0.0000	281.4481	281.4481	0.0332			282.1449

3.6 Architectural Coating - 2016

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive 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	1.0998	1.4028	16.8459	0.0250	1.9469	0.0148	1.9617	0.5164	0.0136	0.5300		2,057.266 2	2,057.266 2	0.1242			2,059.874 3
Total	1.0998	1.4028	16.8459	0.0250	1.9469	0.0148	1.9617	0.5164	0.0136	0.5300		2,057.266 2	2,057.266 2	0.1242			2,059.874 3

3.6 Architectural Coating - 2017

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	104.4136					0.0000	0.0000		0.0000	0.0000			0.0000				0.0000
Off-Road	0.3323	2.1850	1.8681	2.9700e-003		0.1733	0.1733		0.1733	0.1733		281.4481	281.4481	0.0297			282.0721
Total	104.7459	2.1850	1.8681	2.9700e-003		0.1733	0.1733		0.1733	0.1733		281.4481	281.4481	0.0297			282.0721

3.6 Architectural Coating - 2017

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive 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	0.9526	1.2526	14.9254	0.0250	1.9469	0.0141	1.9610	0.5164	0.0130	0.5294		1,976.2839	1,976.2839	0.1130			1,978.6578
Total	0.9526	1.2526	14.9254	0.0250	1.9469	0.0141	1.9610	0.5164	0.0130	0.5294		1,976.2839	1,976.2839	0.1130			1,978.6578

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	104.4136					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000	
Off-Road	0.3323	1.8573	1.8681	2.9700e-003		0.1733	0.1733		0.1733	0.1733	0.0000	281.4481	281.4481	0.0297			282.0721
Total	104.7459	1.8573	1.8681	2.9700e-003		0.1733	0.1733		0.1733	0.1733	0.0000	281.4481	281.4481	0.0297			282.0721

3.6 Architectural Coating - 2017

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive 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	0.9526	1.2526	14.9254	0.0250	1.9469	0.0141	1.9610	0.5164	0.0130	0.5294		1,976.2839	1,976.2839	0.1130			1,978.6578
Total	0.9526	1.2526	14.9254	0.0250	1.9469	0.0141	1.9610	0.5164	0.0130	0.5294		1,976.2839	1,976.2839	0.1130			1,978.6578

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	17.9848	47.4052	224.0806	0.3619	21.9200	0.7605	22.6805	5.8545	0.6993	6.5538		31,051.2745	31,051.2745	1.1939			31,076.3467
Unmitigated	17.9848	47.4052	224.0806	0.3619	21.9200	0.7605	22.6805	5.8545	0.6993	6.5538		31,051.2745	31,051.2745	1.1939			31,076.3467

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Other Non-Asphalt Surfaces	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Unrefrigerated Warehouse-No Rail	3,528.77	3,528.77	3,528.77	10,302,287	10,302,287
Total	3,528.77	3,528.77	3,528.77	10,302,287	10,302,287

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
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
Unrefrigerated Warehouse-No	9.50	7.30	7.30	59.00	0.00	41.00	92	5	3

LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
0.434564	0.068056	0.178415	0.157220	0.054651	0.008723	0.006985	0.074355	0.001157	0.001000	0.009707	0.000674	0.004492

5.0 Energy Detail

5.1 Fleet Mix

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.0862	0.7832	0.6579	4.7000e-003		0.0595	0.0595		0.0595	0.0595		939.7825	939.7825	0.0180	0.0172	945.5018
NaturalGas Unmitigated	0.0862	0.7832	0.6579	4.7000e-003		0.0595	0.0595		0.0595	0.0595		939.7825	939.7825	0.0180	0.0172	945.5018

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					
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
Unrefrigerated Warehouse-No Pail	7988.15	0.0862	0.7832	0.6579	4.7000e-003		0.0595	0.0595		0.0595	0.0595		939.7825	939.7825	0.0180	0.0172	945.5018
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
Total		0.0862	0.7832	0.6579	4.7000e-003		0.0595	0.0595		0.0595	0.0595		939.7825	939.7825	0.0180	0.0172	945.5018

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Unrefrigerated Warehouse-No Paint	7.98815	0.0862	0.7832	0.6579	4.7000e-003		0.0595	0.0595		0.0595	0.0595		939.7825	939.7825	0.0180	0.0172	945.5018
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		0.0862	0.7832	0.6579	4.7000e-003		0.0595	0.0595		0.0595	0.0595		939.7825	939.7825	0.0180	0.0172	945.5018

6.0 Area Detail

6.1 Mitigation Measures Area

- Use Low VOC Paint - Residential Interior
- Use Low VOC Paint - Residential Exterior
- Use Low VOC Paint - Non-Residential Interior
- Use Low VOC Paint - Non-Residential Exterior

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	61.3067	2.7800e-003	0.2934	2.0000e-005		1.0600e-003	1.0600e-003		1.0600e-003	1.0600e-003		0.6172	0.6172	1.7200e-003		0.6533
Unmitigated	64.3050	2.7800e-003	0.2934	2.0000e-005		1.0600e-003	1.0600e-003		1.0600e-003	1.0600e-003		0.6172	0.6172	1.7200e-003		0.6533

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	3.9209					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	60.3558					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	0.0283	2.7800e-003	0.2934	2.0000e-005		1.0600e-003	1.0600e-003		1.0600e-003	1.0600e-003		0.6172	0.6172	1.7200e-003		0.6533
Total	64.3050	2.7800e-003	0.2934	2.0000e-005		1.0600e-003	1.0600e-003		1.0600e-003	1.0600e-003		0.6172	0.6172	1.7200e-003		0.6533

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
SubCategory	lb/day										lb/day						
Architectural Coating	0.9226					0.0000	0.0000		0.0000	0.0000			0.0000				0.0000
Consumer Products	60.3558					0.0000	0.0000		0.0000	0.0000			0.0000				0.0000
Landscaping	0.0283	2.7800e-003	0.2934	2.0000e-005		1.0600e-003	1.0600e-003		1.0600e-003	1.0600e-003		0.6172	0.6172	1.7200e-003			0.6533
Total	61.3067	2.7800e-003	0.2934	2.0000e-005		1.0600e-003	1.0600e-003		1.0600e-003	1.0600e-003		0.6172	0.6172	1.7200e-003			0.6533

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

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

Jupiter, Apple Valley
Mojave Desert Air Basin, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Unrefrigerated Warehouse-No Rail	1,362.46	1000sqft	73.03	1,362,465.00	0
Other Non-Asphalt Surfaces	48.25	1000sqft	1.11	48,250.00	0
Parking Lot	1,409.65	1000sqft	32.36	1,409,651.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.6	Precipitation Freq (Days)	31
Climate Zone	10			Operational Year	2017
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	630.89	CH4 Intensity (lb/MWhr)	0.029	N2O Intensity (lb/MWhr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - Development of a warehouse/distribution center.

Construction Phase - Assumes a 1.5 year buildout, beginning in January 2016 ending in May 2017.

Grading - Assumes net soil ballance on-site.

Architectural Coating - Low VOC paint per SCAQMD Rule 1113.

Construction Off-road Equipment Mitigation - Assumes standard dust control measures and application of oxidation catalysts (15% reduction).

Area Coating - Low VOC paint per SCAQMD Rule 1113.

Area Mitigation - Lowest VOC paint allowed.

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	250.00	100.00
tblArchitecturalCoating	EF_Nonresidential_Interior	250.00	100.00
tblArchitecturalCoating	EF_Residential_Exterior	250.00	100.00
tblArchitecturalCoating	EF_Residential_Interior	250.00	100.00
tblAreaCoating	Area_EF_Nonresidential_Exterior	250	100
tblAreaCoating	ReapplicationRatePercent	10	5
tblAreaMitigation	UseLowVOCPaintNonresidentialExteriorValue	100	50
tblAreaMitigation	UseLowVOCPaintNonresidentialInteriorValue	250	50
tblAreaMitigation	UseLowVOCPaintResidentialExteriorValue	250	50
tblAreaMitigation	UseLowVOCPaintResidentialInteriorValue	250	50
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	6.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	8.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	18.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	OxidationCatalyst	0.00	15.00
tblConstEquipMitigation	OxidationCatalyst	0.00	15.00
tblConstEquipMitigation	OxidationCatalyst	0.00	15.00

tblConstEquipMitigation	OxidationCatalyst	0.00	15.00
tblConstEquipMitigation	OxidationCatalyst	0.00	15.00
tblConstEquipMitigation	OxidationCatalyst	0.00	15.00
tblConstEquipMitigation	OxidationCatalyst	0.00	15.00
tblConstEquipMitigation	OxidationCatalyst	0.00	15.00
tblConstEquipMitigation	OxidationCatalyst	0.00	15.00
tblConstEquipMitigation	OxidationCatalyst	0.00	15.00
tblConstEquipMitigation	OxidationCatalyst	0.00	15.00
tblConstEquipMitigation	OxidationCatalyst	0.00	15.00
tblConstEquipMitigation	OxidationCatalyst	0.00	15.00
tblConstructionPhase	NumDays	220.00	129.00
tblConstructionPhase	NumDays	3,100.00	200.00
tblConstructionPhase	NumDays	310.00	50.00
tblConstructionPhase	NumDays	220.00	100.00
tblConstructionPhase	NumDays	120.00	50.00
tblConstructionPhase	PhaseEndDate	8/17/2017	5/30/2017
tblConstructionPhase	PhaseEndDate	7/13/2017	2/17/2017
tblConstructionPhase	PhaseStartDate	2/18/2017	12/1/2016
tblConstructionPhase	PhaseStartDate	2/24/2017	10/1/2016
tblLandUse	LandUseSquareFeet	1,362,460.00	1,362,465.00
tblLandUse	LandUseSquareFeet	1,409,650.00	1,409,651.00
tblLandUse	LotAcreage	31.28	73.03
tblProjectCharacteristics	OperationalYear	2014	2017

2.0 Emissions Summary

2.2 Overall Operational**Unmitigated Operational**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	64.3050	2.7800e-003	0.2934	2.0000e-005		1.0600e-003	1.0600e-003		1.0600e-003	1.0600e-003		0.6172	0.6172	1.7200e-003		0.6533
Energy	0.0862	0.7832	0.6579	4.7000e-003		0.0595	0.0595		0.0595	0.0595		939.7825	939.7825	0.0180	0.0172	945.5018
Mobile	17.0011	49.4731	210.5431	0.3322	21.9200	0.7632	22.6832	5.8545	0.7018	6.5563		28,668.5411	28,668.5411	1.1960		28,693.6569
Total	81.3923	50.2590	211.4944	0.3369	21.9200	0.8237	22.7438	5.8545	0.7623	6.6168		29,608.9408	29,608.9408	1.2157	0.0172	29,639.8121

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	61.3067	2.7800e-003	0.2934	2.0000e-005		1.0600e-003	1.0600e-003		1.0600e-003	1.0600e-003		0.6172	0.6172	1.7200e-003		0.6533
Energy	0.0862	0.7832	0.6579	4.7000e-003		0.0595	0.0595		0.0595	0.0595		939.7825	939.7825	0.0180	0.0172	945.5018
Mobile	17.0011	49.4731	210.5431	0.3322	21.9200	0.7632	22.6832	5.8545	0.7018	6.5563		28,668.5411	28,668.5411	1.1960		28,693.6569
Total	78.3939	50.2590	211.4944	0.3369	21.9200	0.8237	22.7438	5.8545	0.7623	6.6168		29,608.9408	29,608.9408	1.2157	0.0172	29,639.8121

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	3.68	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	1/1/2016	3/10/2016	5	50	
2	Grading	Grading	3/11/2016	5/19/2016	5	50	
3	Building Construction	Building Construction	5/20/2016	2/23/2017	5	200	
4	Paving	Paving	10/1/2016	2/17/2017	5	100	
5	Architectural Coating	Architectural Coating	12/1/2016	5/30/2017	5	129	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 125

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 2,179,507; Non-Residential Outdoor: 726,502 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
	Air Compressors	1	6.00	78	0.48
	Cranes	1	7.00	226	0.29
	Excavators	2	8.00	162	0.38
	Forklifts	3	8.00	89	0.20
	Generator Sets	1	8.00	84	0.74

	Graders	1	8.00	174	0.41
	Pavers	2	8.00	125	0.42
	Paving Equipment	2	8.00	130	0.36
	Rollers	2	8.00	80	0.38
	Rubber Tired Dozers	1	8.00	255	0.40
	Rubber Tired Dozers	3	8.00	255	0.40
	Scrapers	2	8.00	361	0.48
	Tractors/Loaders/Backhoes	3	7.00	97	0.37
	Tractors/Loaders/Backhoes	2	8.00	97	0.37
	Tractors/Loaders/Backhoes	4	8.00	97	0.37
	Welders	1	8.00	46	0.45
Site Preparation	Rubber Tired Dozers	3	8.00	255	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading	Excavators	2	8.00	162	0.38
Grading	Graders	1	8.00	174	0.41
Grading	Rubber Tired Dozers	1	8.00	255	0.40
Grading	Scrapers	2	8.00	361	0.48
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Building Construction	Cranes	1	7.00	226	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Paving	Pavers	2	8.00	125	0.42
Paving	Paving Equipment	2	8.00	130	0.36
Paving	Rollers	2	8.00	80	0.38
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Site Preparation	7	18.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	1,185.00	462.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	237.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Oxidation Catalyst for Construction Equipment

Use Soil Stabilizer

Water Exposed Area

3.2 Site Preparation - 2016

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	5.0771	54.6323	41.1053	0.0391		2.9387	2.9387		2.7036	2.7036		4,065.0053	4,065.0053	1.2262		4,090.7544
Total	5.0771	54.6323	41.1053	0.0391	18.0663	2.9387	21.0049	9.9307	2.7036	12.6343		4,065.0053	4,065.0053	1.2262		4,090.7544

3.2 Site Preparation - 2016

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive 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	0.0735	0.1117	1.0457	1.6700e-003	0.1479	1.1300e-003	0.1490	0.0392	1.0300e-003	0.0403		138.1745	138.1745	9.4300e-003			138.3726
Total	0.0735	0.1117	1.0457	1.6700e-003	0.1479	1.1300e-003	0.1490	0.0392	1.0300e-003	0.0403		138.1745	138.1745	9.4300e-003			138.3726

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Fugitive Dust					7.0458	0.0000	7.0458	3.8730	0.0000	3.8730			0.0000			0.0000	
Off-Road	5.0771	46.4375	41.1053	0.0391		2.9387	2.9387		2.7036	2.7036	0.0000	4,065.0053	4,065.0053	1.2262			4,090.7544
Total	5.0771	46.4375	41.1053	0.0391	7.0458	2.9387	9.9845	3.8730	2.7036	6.5766	0.0000	4,065.0053	4,065.0053	1.2262			4,090.7544

3.2 Site Preparation - 2016

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive 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	0.0735	0.1117	1.0457	1.6700e-003	0.1479	1.1300e-003	0.1490	0.0392	1.0300e-003	0.0403		138.1745	138.1745	9.4300e-003		138.3726
Total	0.0735	0.1117	1.0457	1.6700e-003	0.1479	1.1300e-003	0.1490	0.0392	1.0300e-003	0.0403		138.1745	138.1745	9.4300e-003		138.3726

3.3 Grading - 2016

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					8.6733	0.0000	8.6733	3.5965	0.0000	3.5965			0.0000			0.0000
Off-Road	6.4795	74.8137	49.1374	0.0617		3.5842	3.5842		3.2975	3.2975		6,414.9807	6,414.9807	1.9350		6,455.6154
Total	6.4795	74.8137	49.1374	0.0617	8.6733	3.5842	12.2576	3.5965	3.2975	6.8940		6,414.9807	6,414.9807	1.9350		6,455.6154

3.3 Grading - 2016

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive 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	0.0817	0.1241	1.1619	1.8600e-003	0.1643	1.2500e-003	0.1656	0.0436	1.1400e-003	0.0447		153.5272	153.5272	0.0105			153.7473
Total	0.0817	0.1241	1.1619	1.8600e-003	0.1643	1.2500e-003	0.1656	0.0436	1.1400e-003	0.0447		153.5272	153.5272	0.0105			153.7473

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Fugitive Dust					3.3826	0.0000	3.3826	1.4026	0.0000	1.4026			0.0000			0.0000	
Off-Road	6.4795	63.5917	49.1374	0.0617		3.5842	3.5842		3.2975	3.2975	0.0000	6,414.9807	6,414.9807	1.9350			6,455.6154
Total	6.4795	63.5917	49.1374	0.0617	3.3826	3.5842	6.9668	1.4026	3.2975	4.7001	0.0000	6,414.9807	6,414.9807	1.9350			6,455.6154

3.3 Grading - 2016

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive 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	0.0817	0.1241	1.1619	1.8600e-003	0.1643	1.2500e-003	0.1656	0.0436	1.1400e-003	0.0447		153.5272	153.5272	0.0105			153.7473
Total	0.0817	0.1241	1.1619	1.8600e-003	0.1643	1.2500e-003	0.1656	0.0436	1.1400e-003	0.0447		153.5272	153.5272	0.0105			153.7473

3.4 Building Construction - 2016

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	3.4062	28.5063	18.5066	0.0268		1.9674	1.9674		1.8485	1.8485		2,669.2864	2,669.2864	0.6620			2,683.1890
Total	3.4062	28.5063	18.5066	0.0268		1.9674	1.9674		1.8485	1.8485		2,669.2864	2,669.2864	0.6620			2,683.1890

3.4 Building Construction - 2016

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive 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	6.2092	37.7629	80.5717	0.1018	3.0268	0.8626	3.8894	0.8576	0.7932	1.6507		10,138.72 76	10,138.72 76	0.0666			10,140.12 53
Worker	4.8390	7.3509	68.8403	0.1102	9.7345	0.0741	9.8086	2.5820	0.0677	2.6498		9,096.487 7	9,096.487 7	0.6210			9,109.528 3
Total	11.0482	45.1138	149.4120	0.2120	12.7613	0.9368	13.6980	3.4396	0.8609	4.3005		19,235.21 53	19,235.21 53	0.6875			19,249.65 35

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	3.4062	24.2304	18.5066	0.0268		1.9674	1.9674		1.8485	1.8485	0.0000	2,669.286 4	2,669.286 4	0.6620			2,683.189 0
Total	3.4062	24.2304	18.5066	0.0268		1.9674	1.9674		1.8485	1.8485	0.0000	2,669.286 4	2,669.286 4	0.6620			2,683.189 0

3.4 Building Construction - 2016

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive 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	6.2092	37.7629	80.5717	0.1018	3.0268	0.8626	3.8894	0.8576	0.7932	1.6507		10,138.72 76	10,138.72 76	0.0666			10,140.12 53
Worker	4.8390	7.3509	68.8403	0.1102	9.7345	0.0741	9.8086	2.5820	0.0677	2.6498		9,096.487 7	9,096.487 7	0.6210			9,109.528 3
Total	11.0482	45.1138	149.4120	0.2120	12.7613	0.9368	13.6980	3.4396	0.8609	4.3005		19,235.21 53	19,235.21 53	0.6875			19,249.65 35

3.4 Building Construction - 2017

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	3.1024	26.4057	18.1291	0.0268		1.7812	1.7812		1.6730	1.6730		2,639.805 3	2,639.805 3	0.6497			2,653.449 0
Total	3.1024	26.4057	18.1291	0.0268		1.7812	1.7812		1.6730	1.6730		2,639.805 3	2,639.805 3	0.6497			2,653.449 0

3.4 Building Construction - 2017

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive 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	5.4511	33.4501	73.8138	0.1015	3.0276	0.7599	3.7875	0.8579	0.6988	1.5567		9,966.4146	9,966.4146	0.0629			9,967.7344
Worker	4.1675	6.5513	60.7819	0.1101	9.7345	0.0705	9.8050	2.5820	0.0648	2.6469		8,737.3220	8,737.3220	0.5652			8,749.1914
Total	9.6186	40.0014	134.5957	0.2116	12.7621	0.8304	13.5925	3.4400	0.7636	4.2035		18,703.7366	18,703.7366	0.6281			18,716.9258

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	3.1024	22.4448	18.1291	0.0268		1.7812	1.7812		1.6730	1.6730	0.0000	2,639.8053	2,639.8053	0.6497			2,653.4490
Total	3.1024	22.4448	18.1291	0.0268		1.7812	1.7812		1.6730	1.6730	0.0000	2,639.8053	2,639.8053	0.6497			2,653.4490

3.4 Building Construction - 2017

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive 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	5.4511	33.4501	73.8138	0.1015	3.0276	0.7599	3.7875	0.8579	0.6988	1.5567		9,966.4146	9,966.4146	0.0629			9,967.7344
Worker	4.1675	6.5513	60.7819	0.1101	9.7345	0.0705	9.8050	2.5820	0.0648	2.6469		8,737.3220	8,737.3220	0.5652			8,749.1914
Total	9.6186	40.0014	134.5957	0.2116	12.7621	0.8304	13.5925	3.4400	0.7636	4.2035		18,703.7366	18,703.7366	0.6281			18,716.9258

3.5 Paving - 2016

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	2.0898	22.3859	14.8176	0.0223		1.2610	1.2610		1.1601	1.1601		2,316.3767	2,316.3767	0.6987			2,331.0495
Paving	0.8478					0.0000	0.0000		0.0000	0.0000			0.0000				0.0000
Total	2.9376	22.3859	14.8176	0.0223		1.2610	1.2610		1.1601	1.1601		2,316.3767	2,316.3767	0.6987			2,331.0495

3.5 Paving - 2016

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive 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	0.0613	0.0931	0.8714	1.4000e-003	0.1232	9.4000e-004	0.1242	0.0327	8.6000e-004	0.0335		115.1454	115.1454	7.8600e-003			115.3105
Total	0.0613	0.0931	0.8714	1.4000e-003	0.1232	9.4000e-004	0.1242	0.0327	8.6000e-004	0.0335		115.1454	115.1454	7.8600e-003			115.3105

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	2.0898	19.0280	14.8176	0.0223		1.2610	1.2610		1.1601	1.1601	0.0000	2,316.3767	2,316.3767	0.6987			2,331.0495
Paving	0.8478					0.0000	0.0000		0.0000	0.0000			0.0000				0.0000
Total	2.9376	19.0280	14.8176	0.0223		1.2610	1.2610		1.1601	1.1601	0.0000	2,316.3767	2,316.3767	0.6987			2,331.0495

3.5 Paving - 2016

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive 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	0.0613	0.0931	0.8714	1.4000e-003	0.1232	9.4000e-004	0.1242	0.0327	8.6000e-004	0.0335		115.1454	115.1454	7.8600e-003			115.3105
Total	0.0613	0.0931	0.8714	1.4000e-003	0.1232	9.4000e-004	0.1242	0.0327	8.6000e-004	0.0335		115.1454	115.1454	7.8600e-003			115.3105

3.5 Paving - 2017

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	1.9074	20.2964	14.7270	0.0223		1.1384	1.1384		1.0473	1.0473		2,281.0588	2,281.0588	0.6989			2,295.7360
Paving	0.8478					0.0000	0.0000		0.0000	0.0000			0.0000				0.0000
Total	2.7552	20.2964	14.7270	0.0223		1.1384	1.1384		1.0473	1.0473		2,281.0588	2,281.0588	0.6989			2,295.7360

3.5 Paving - 2017

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive 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	0.0528	0.0829	0.7694	1.3900e-003	0.1232	8.9000e-004	0.1241	0.0327	8.2000e-004	0.0335		110.5990	110.5990	7.1500e-003			110.7493
Total	0.0528	0.0829	0.7694	1.3900e-003	0.1232	8.9000e-004	0.1241	0.0327	8.2000e-004	0.0335		110.5990	110.5990	7.1500e-003			110.7493

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	1.9074	17.2520	14.7270	0.0223		1.1384	1.1384		1.0473	1.0473	0.0000	2,281.0588	2,281.0588	0.6989			2,295.7360
Paving	0.8478					0.0000	0.0000		0.0000	0.0000			0.0000				0.0000
Total	2.7552	17.2520	14.7270	0.0223		1.1384	1.1384		1.0473	1.0473	0.0000	2,281.0588	2,281.0588	0.6989			2,295.7360

3.5 Paving - 2017

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive 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	0.0528	0.0829	0.7694	1.3900e-003	0.1232	8.9000e-004	0.1241	0.0327	8.2000e-004	0.0335		110.5990	110.5990	7.1500e-003			110.7493
Total	0.0528	0.0829	0.7694	1.3900e-003	0.1232	8.9000e-004	0.1241	0.0327	8.2000e-004	0.0335		110.5990	110.5990	7.1500e-003			110.7493

3.6 Architectural Coating - 2016

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	104.4136					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000	
Off-Road	0.3685	2.3722	1.8839	2.9700e-003		0.1966	0.1966		0.1966	0.1966		281.4481	281.4481	0.0332			282.1449
Total	104.7820	2.3722	1.8839	2.9700e-003		0.1966	0.1966		0.1966	0.1966		281.4481	281.4481	0.0332			282.1449

3.6 Architectural Coating - 2016

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive 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	0.9678	1.4702	13.7681	0.0220	1.9469	0.0148	1.9617	0.5164	0.0136	0.5300		1,819.2975	1,819.2975	0.1242			1,821.9057
Total	0.9678	1.4702	13.7681	0.0220	1.9469	0.0148	1.9617	0.5164	0.0136	0.5300		1,819.2975	1,819.2975	0.1242			1,821.9057

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	104.4136					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000	
Off-Road	0.3685	2.0164	1.8839	2.9700e-003		0.1966	0.1966		0.1966	0.1966	0.0000	281.4481	281.4481	0.0332			282.1449
Total	104.7820	2.0164	1.8839	2.9700e-003		0.1966	0.1966		0.1966	0.1966	0.0000	281.4481	281.4481	0.0332			282.1449

3.6 Architectural Coating - 2016

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive 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	0.9678	1.4702	13.7681	0.0220	1.9469	0.0148	1.9617	0.5164	0.0136	0.5300		1,819.2975	1,819.2975	0.1242			1,821.9057
Total	0.9678	1.4702	13.7681	0.0220	1.9469	0.0148	1.9617	0.5164	0.0136	0.5300		1,819.2975	1,819.2975	0.1242			1,821.9057

3.6 Architectural Coating - 2017

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	104.4136					0.0000	0.0000		0.0000	0.0000			0.0000				0.0000
Off-Road	0.3323	2.1850	1.8681	2.9700e-003		0.1733	0.1733		0.1733	0.1733		281.4481	281.4481	0.0297			282.0721
Total	104.7459	2.1850	1.8681	2.9700e-003		0.1733	0.1733		0.1733	0.1733		281.4481	281.4481	0.0297			282.0721

3.6 Architectural Coating - 2017

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive 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	0.8335	1.3103	12.1564	0.0220	1.9469	0.0141	1.9610	0.5164	0.0130	0.5294		1,747.464 4	1,747.464 4	0.1130			1,749.838 3
Total	0.8335	1.3103	12.1564	0.0220	1.9469	0.0141	1.9610	0.5164	0.0130	0.5294		1,747.464 4	1,747.464 4	0.1130			1,749.838 3

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	104.4136					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000	
Off-Road	0.3323	1.8573	1.8681	2.9700e-003		0.1733	0.1733		0.1733	0.1733	0.0000	281.4481	281.4481	0.0297			282.0721
Total	104.7459	1.8573	1.8681	2.9700e-003		0.1733	0.1733		0.1733	0.1733	0.0000	281.4481	281.4481	0.0297			282.0721

3.6 Architectural Coating - 2017

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive 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	0.8335	1.3103	12.1564	0.0220	1.9469	0.0141	1.9610	0.5164	0.0130	0.5294		1,747.464 4	1,747.464 4	0.1130		1,749.838 3
Total	0.8335	1.3103	12.1564	0.0220	1.9469	0.0141	1.9610	0.5164	0.0130	0.5294		1,747.464 4	1,747.464 4	0.1130		1,749.838 3

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	17.0011	49.4731	210.5431	0.3322	21.9200	0.7632	22.6832	5.8545	0.7018	6.5563		28,668.54 11	28,668.54 11	1.1960		28,693.65 69
Unmitigated	17.0011	49.4731	210.5431	0.3322	21.9200	0.7632	22.6832	5.8545	0.7018	6.5563		28,668.54 11	28,668.54 11	1.1960		28,693.65 69

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Other Non-Asphalt Surfaces	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Unrefrigerated Warehouse-No Rail	3,528.77	3,528.77	3,528.77	10,302,287	10,302,287
Total	3,528.77	3,528.77	3,528.77	10,302,287	10,302,287

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
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
Unrefrigerated Warehouse-No	9.50	7.30	7.30	59.00	0.00	41.00	92	5	3

LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
0.434564	0.068056	0.178415	0.157220	0.054651	0.008723	0.006985	0.074355	0.001157	0.001000	0.009707	0.000674	0.004492

5.0 Energy Detail

5.1 Fleet Mix

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.0862	0.7832	0.6579	4.7000e-003		0.0595	0.0595		0.0595	0.0595		939.7825	939.7825	0.0180	0.0172	945.5018
NaturalGas Unmitigated	0.0862	0.7832	0.6579	4.7000e-003		0.0595	0.0595		0.0595	0.0595		939.7825	939.7825	0.0180	0.0172	945.5018

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					
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
Unrefrigerated Warehouse-No Pail	7988.15	0.0862	0.7832	0.6579	4.7000e-003		0.0595	0.0595		0.0595	0.0595		939.7825	939.7825	0.0180	0.0172	945.5018
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
Total		0.0862	0.7832	0.6579	4.7000e-003		0.0595	0.0595		0.0595	0.0595		939.7825	939.7825	0.0180	0.0172	945.5018

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
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
Unrefrigerated Warehouse-No Paint	7.98815	0.0862	0.7832	0.6579	4.7000e-003		0.0595	0.0595		0.0595	0.0595		939.7825	939.7825	0.0180	0.0172	945.5018
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
Total		0.0862	0.7832	0.6579	4.7000e-003		0.0595	0.0595		0.0595	0.0595		939.7825	939.7825	0.0180	0.0172	945.5018

6.0 Area Detail

6.1 Mitigation Measures Area

- Use Low VOC Paint - Residential Interior
- Use Low VOC Paint - Residential Exterior
- Use Low VOC Paint - Non-Residential Interior
- Use Low VOC Paint - Non-Residential Exterior

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	61.3067	2.7800e-003	0.2934	2.0000e-005		1.0600e-003	1.0600e-003		1.0600e-003	1.0600e-003		0.6172	0.6172	1.7200e-003		0.6533
Unmitigated	64.3050	2.7800e-003	0.2934	2.0000e-005		1.0600e-003	1.0600e-003		1.0600e-003	1.0600e-003		0.6172	0.6172	1.7200e-003		0.6533

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	3.9209					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	60.3558					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	0.0283	2.7800e-003	0.2934	2.0000e-005		1.0600e-003	1.0600e-003		1.0600e-003	1.0600e-003		0.6172	0.6172	1.7200e-003		0.6533
Total	64.3050	2.7800e-003	0.2934	2.0000e-005		1.0600e-003	1.0600e-003		1.0600e-003	1.0600e-003		0.6172	0.6172	1.7200e-003		0.6533

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
SubCategory	lb/day										lb/day						
Architectural Coating	0.9226					0.0000	0.0000		0.0000	0.0000			0.0000				0.0000
Consumer Products	60.3558					0.0000	0.0000		0.0000	0.0000			0.0000				0.0000
Landscaping	0.0283	2.7800e-003	0.2934	2.0000e-005		1.0600e-003	1.0600e-003		1.0600e-003	1.0600e-003		0.6172	0.6172	1.7200e-003			0.6533
Total	61.3067	2.7800e-003	0.2934	2.0000e-005		1.0600e-003	1.0600e-003		1.0600e-003	1.0600e-003		0.6172	0.6172	1.7200e-003			0.6533

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

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

Jupiter, Apple Valley
Mojave Desert Air Basin, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Unrefrigerated Warehouse-No Rail	1,362.46	1000sqft	73.03	1,362,465.00	0
Other Non-Asphalt Surfaces	48.25	1000sqft	1.11	48,250.00	0
Parking Lot	1,409.65	1000sqft	32.36	1,409,651.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.6	Precipitation Freq (Days)	31
Climate Zone	10			Operational Year	2017
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	630.89	CH4 Intensity (lb/MWhr)	0.029	N2O Intensity (lb/MWhr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - Development of a warehouse/distribution center.

Construction Phase - Assumes a 1.5 year buildout, beginning in January 2016 ending in May 2017.

Grading - Assumes net soil ballance on-site.

Architectural Coating - Low VOC paint per SCAQMD Rule 1113.

Construction Off-road Equipment Mitigation - Assumes standard dust control measures and application of oxidation catalysts (15% reduction).

Area Coating - Low VOC paint per SCAQMD Rule 1113.

Area Mitigation - Lowest VOC paint allowed.

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	250.00	100.00
tblArchitecturalCoating	EF_Nonresidential_Interior	250.00	100.00
tblArchitecturalCoating	EF_Residential_Exterior	250.00	100.00
tblArchitecturalCoating	EF_Residential_Interior	250.00	100.00
tblAreaCoating	Area_EF_Nonresidential_Exterior	250	100
tblAreaCoating	ReapplicationRatePercent	10	5
tblAreaMitigation	UseLowVOCPaintNonresidentialExteriorValue	100	50
tblAreaMitigation	UseLowVOCPaintNonresidentialInteriorValue	250	50
tblAreaMitigation	UseLowVOCPaintResidentialExteriorValue	250	50
tblAreaMitigation	UseLowVOCPaintResidentialInteriorValue	250	50
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	6.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	8.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	18.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	OxidationCatalyst	0.00	15.00
tblConstEquipMitigation	OxidationCatalyst	0.00	15.00
tblConstEquipMitigation	OxidationCatalyst	0.00	15.00

tblConstEquipMitigation	OxidationCatalyst	0.00	15.00
tblConstEquipMitigation	OxidationCatalyst	0.00	15.00
tblConstEquipMitigation	OxidationCatalyst	0.00	15.00
tblConstEquipMitigation	OxidationCatalyst	0.00	15.00
tblConstEquipMitigation	OxidationCatalyst	0.00	15.00
tblConstEquipMitigation	OxidationCatalyst	0.00	15.00
tblConstEquipMitigation	OxidationCatalyst	0.00	15.00
tblConstEquipMitigation	OxidationCatalyst	0.00	15.00
tblConstEquipMitigation	OxidationCatalyst	0.00	15.00
tblConstEquipMitigation	OxidationCatalyst	0.00	15.00
tblConstructionPhase	NumDays	220.00	129.00
tblConstructionPhase	NumDays	3,100.00	200.00
tblConstructionPhase	NumDays	310.00	50.00
tblConstructionPhase	NumDays	220.00	100.00
tblConstructionPhase	NumDays	120.00	50.00
tblConstructionPhase	PhaseEndDate	8/17/2017	5/30/2017
tblConstructionPhase	PhaseEndDate	7/13/2017	2/17/2017
tblConstructionPhase	PhaseStartDate	2/18/2017	12/1/2016
tblConstructionPhase	PhaseStartDate	2/24/2017	10/1/2016
tblLandUse	LandUseSquareFeet	1,362,460.00	1,362,465.00
tblLandUse	LandUseSquareFeet	1,409,650.00	1,409,651.00
tblLandUse	LotAcreage	31.28	73.03
tblProjectCharacteristics	OperationalYear	2014	2017

2.0 Emissions Summary

2.2 Overall Operational**Unmitigated Operational**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	11.7331	2.5000e-004	0.0264	0.0000		1.0000e-004	1.0000e-004		1.0000e-004	1.0000e-004	0.0000	0.0504	0.0504	1.4000e-004	0.0000	0.0533
Energy	0.0157	0.1429	0.1201	8.6000e-004		0.0109	0.0109		0.0109	0.0109	0.0000	1,688.0545	1,688.0545	0.0734	0.0174	1,694.9987
Mobile	3.0795	9.2712	41.3443	0.0617	3.9171	0.1385	4.0556	1.0478	0.1273	1.1751	0.0000	4,820.0668	4,820.0668	0.1970	0.0000	4,824.2045
Waste						0.0000	0.0000		0.0000	0.0000	259.9726	0.0000	259.9726	15.3639	0.0000	582.6153
Water						0.0000	0.0000		0.0000	0.0000	99.9568	1,174.0031	1,273.9599	10.3205	0.2536	1,569.3000
Total	14.8283	9.4144	41.4908	0.0626	3.9171	0.1494	4.0666	1.0478	0.1383	1.1860	359.9294	7,682.1747	8,042.1041	25.9550	0.2710	8,671.1718

2.2 Overall Operational

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	11.1859	2.5000e-004	0.0264	0.0000		1.0000e-004	1.0000e-004		1.0000e-004	1.0000e-004	0.0000	0.0504	0.0504	1.4000e-004	0.0000	0.0533
Energy	0.0157	0.1429	0.1201	8.6000e-004		0.0109	0.0109		0.0109	0.0109	0.0000	1,688.0545	1,688.0545	0.0734	0.0174	1,694.9987
Mobile	3.0795	9.2712	41.3443	0.0617	3.9171	0.1385	4.0556	1.0478	0.1273	1.1751	0.0000	4,820.0668	4,820.0668	0.1970	0.0000	4,824.2045
Waste						0.0000	0.0000		0.0000	0.0000	259.9726	0.0000	259.9726	15.3639	0.0000	582.6153
Water						0.0000	0.0000		0.0000	0.0000	99.9568	1,174.0031	1,273.9599	10.3186	0.2532	1,569.1405
Total	14.2811	9.4144	41.4908	0.0626	3.9171	0.1494	4.0666	1.0478	0.1383	1.1860	359.9294	7,682.1747	8,042.1041	25.9532	0.2706	8,671.0123

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	3.69	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.14	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	1/1/2016	3/10/2016	5	50	
2	Grading	Grading	3/11/2016	5/19/2016	5	50	
3	Building Construction	Building Construction	5/20/2016	2/23/2017	5	200	
4	Paving	Paving	10/1/2016	2/17/2017	5	100	
5	Architectural Coating	Architectural Coating	12/1/2016	5/30/2017	5	129	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 125

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 2,179,507; Non-Residential Outdoor: 726,502 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
	Air Compressors	1	6.00	78	0.48
	Cranes	1	7.00	226	0.29
	Excavators	2	8.00	162	0.38
	Forklifts	3	8.00	89	0.20
	Generator Sets	1	8.00	84	0.74
	Graders	1	8.00	174	0.41
	Pavers	2	8.00	125	0.42
	Paving Equipment	2	8.00	130	0.36
	Rollers	2	8.00	80	0.38
	Rubber Tired Dozers	1	8.00	255	0.40
	Rubber Tired Dozers	3	8.00	255	0.40
	Scrapers	2	8.00	361	0.48

	Tractors/Loaders/Backhoes	3	7.00	97	0.37
	Tractors/Loaders/Backhoes	2	8.00	97	0.37
	Tractors/Loaders/Backhoes	4	8.00	97	0.37
	Welders	1	8.00	46	0.45
Site Preparation	Rubber Tired Dozers	3	8.00	255	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading	Excavators	2	8.00	162	0.38
Grading	Graders	1	8.00	174	0.41
Grading	Rubber Tired Dozers	1	8.00	255	0.40
Grading	Scrapers	2	8.00	361	0.48
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Building Construction	Cranes	1	7.00	226	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Paving	Pavers	2	8.00	125	0.42
Paving	Paving Equipment	2	8.00	130	0.36
Paving	Rollers	2	8.00	80	0.38
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Site Preparation	7	18.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	1,185.00	462.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	237.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Oxidation Catalyst for Construction Equipment

Use Soil Stabilizer

Water Exposed Area

3.2 Site Preparation - 2016

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					0.4517	0.0000	0.4517	0.2483	0.0000	0.2483	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.1269	1.3658	1.0276	9.8000e-004		0.0735	0.0735		0.0676	0.0676	0.0000	92.1928	92.1928	0.0278	0.0000	92.7768
Total	0.1269	1.3658	1.0276	9.8000e-004	0.4517	0.0735	0.5251	0.2483	0.0676	0.3159	0.0000	92.1928	92.1928	0.0278	0.0000	92.7768

3.2 Site Preparation - 2016

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	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	1.8000e-003	2.9700e-003	0.0282	4.0000e-005	3.6300e-003	3.0000e-005	3.6600e-003	9.6000e-004	3.0000e-005	9.9000e-004	0.0000	3.2269	3.2269	2.1000e-004	0.0000	3.2314
Total	1.8000e-003	2.9700e-003	0.0282	4.0000e-005	3.6300e-003	3.0000e-005	3.6600e-003	9.6000e-004	3.0000e-005	9.9000e-004	0.0000	3.2269	3.2269	2.1000e-004	0.0000	3.2314

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					0.1762	0.0000	0.1762	0.0968	0.0000	0.0968	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.1269	1.1609	1.0276	9.8000e-004		0.0735	0.0735		0.0676	0.0676	0.0000	92.1927	92.1927	0.0278	0.0000	92.7766
Total	0.1269	1.1609	1.0276	9.8000e-004	0.1762	0.0735	0.2496	0.0968	0.0676	0.1644	0.0000	92.1927	92.1927	0.0278	0.0000	92.7766

3.2 Site Preparation - 2016

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	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	1.8000e-003	2.9700e-003	0.0282	4.0000e-005	3.6300e-003	3.0000e-005	3.6600e-003	9.6000e-004	3.0000e-005	9.9000e-004	0.0000	3.2269	3.2269	2.1000e-004	0.0000	3.2314
Total	1.8000e-003	2.9700e-003	0.0282	4.0000e-005	3.6300e-003	3.0000e-005	3.6600e-003	9.6000e-004	3.0000e-005	9.9000e-004	0.0000	3.2269	3.2269	2.1000e-004	0.0000	3.2314

3.3 Grading - 2016

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					0.2168	0.0000	0.2168	0.0899	0.0000	0.0899	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.1620	1.8703	1.2284	1.5400e-003		0.0896	0.0896		0.0824	0.0824	0.0000	145.4893	145.4893	0.0439	0.0000	146.4109
Total	0.1620	1.8703	1.2284	1.5400e-003	0.2168	0.0896	0.3064	0.0899	0.0824	0.1724	0.0000	145.4893	145.4893	0.0439	0.0000	146.4109

3.3 Grading - 2016

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.0000e-003	3.3000e-003	0.0313	5.0000e-005	4.0300e-003	3.0000e-005	4.0600e-003	1.0700e-003	3.0000e-005	1.1000e-003	0.0000	3.5855	3.5855	2.4000e-004	0.0000	3.5905
Total	2.0000e-003	3.3000e-003	0.0313	5.0000e-005	4.0300e-003	3.0000e-005	4.0600e-003	1.0700e-003	3.0000e-005	1.1000e-003	0.0000	3.5855	3.5855	2.4000e-004	0.0000	3.5905

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					0.0846	0.0000	0.0846	0.0351	0.0000	0.0351	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.1620	1.5898	1.2284	1.5400e-003		0.0896	0.0896		0.0824	0.0824	0.0000	145.4891	145.4891	0.0439	0.0000	146.4107
Total	0.1620	1.5898	1.2284	1.5400e-003	0.0846	0.0896	0.1742	0.0351	0.0824	0.1175	0.0000	145.4891	145.4891	0.0439	0.0000	146.4107

3.3 Grading - 2016

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.0000e-003	3.3000e-003	0.0313	5.0000e-005	4.0300e-003	3.0000e-005	4.0600e-003	1.0700e-003	3.0000e-005	1.1000e-003	0.0000	3.5855	3.5855	2.4000e-004	0.0000	3.5905
Total	2.0000e-003	3.3000e-003	0.0313	5.0000e-005	4.0300e-003	3.0000e-005	4.0600e-003	1.0700e-003	3.0000e-005	1.1000e-003	0.0000	3.5855	3.5855	2.4000e-004	0.0000	3.5905

3.4 Building Construction - 2016

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.2742	2.2948	1.4898	2.1600e-003		0.1584	0.1584		0.1488	0.1488	0.0000	194.9336	194.9336	0.0484	0.0000	195.9489
Total	0.2742	2.2948	1.4898	2.1600e-003		0.1584	0.1584		0.1488	0.1488	0.0000	194.9336	194.9336	0.0484	0.0000	195.9489

3.4 Building Construction - 2016

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.5142	3.1038	7.0773	8.2500e-003	0.2398	0.0691	0.3090	0.0681	0.0635	0.1316	0.0000	743.9892	743.9892	4.7700e-003	0.0000	744.0892
Worker	0.3819	0.6298	5.9697	9.1400e-003	0.7692	5.9700e-003	0.7751	0.2043	5.4500e-003	0.2098	0.0000	684.0512	684.0512	0.0454	0.0000	685.0035
Total	0.8960	3.7335	13.0469	0.0174	1.0090	0.0751	1.0841	0.2724	0.0690	0.3414	0.0000	1,428.0403	1,428.0403	0.0501	0.0000	1,429.0927

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.2742	1.9505	1.4898	2.1600e-003		0.1584	0.1584		0.1488	0.1488	0.0000	194.9334	194.9334	0.0484	0.0000	195.9487
Total	0.2742	1.9505	1.4898	2.1600e-003		0.1584	0.1584		0.1488	0.1488	0.0000	194.9334	194.9334	0.0484	0.0000	195.9487

3.4 Building Construction - 2016

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.5142	3.1038	7.0773	8.2500e-003	0.2398	0.0691	0.3090	0.0681	0.0635	0.1316	0.0000	743.9892	743.9892	4.7700e-003	0.0000	744.0892
Worker	0.3819	0.6298	5.9697	9.1400e-003	0.7692	5.9700e-003	0.7751	0.2043	5.4500e-003	0.2098	0.0000	684.0512	684.0512	0.0454	0.0000	685.0035
Total	0.8960	3.7335	13.0469	0.0174	1.0090	0.0751	1.0841	0.2724	0.0690	0.3414	0.0000	1,428.0403	1,428.0403	0.0501	0.0000	1,429.0927

3.4 Building Construction - 2017

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.0605	0.5149	0.3535	5.2000e-004		0.0347	0.0347		0.0326	0.0326	0.0000	46.6984	46.6984	0.0115	0.0000	46.9398
Total	0.0605	0.5149	0.3535	5.2000e-004		0.0347	0.0347		0.0326	0.0326	0.0000	46.6984	46.6984	0.0115	0.0000	46.9398

3.4 Building Construction - 2017

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.1093	0.6661	1.5724	1.9900e-003	0.0581	0.0148	0.0729	0.0165	0.0136	0.0301	0.0000	177.1608	177.1608	1.0900e-003	0.0000	177.1837
Worker	0.0795	0.1360	1.2758	2.2100e-003	0.1863	1.3800e-003	0.1877	0.0495	1.2600e-003	0.0508	0.0000	159.1633	159.1633	0.0100	0.0000	159.3733
Total	0.1888	0.8022	2.8482	4.2000e-003	0.2444	0.0161	0.2606	0.0660	0.0148	0.0808	0.0000	336.3241	336.3241	0.0111	0.0000	336.5570

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.0605	0.4377	0.3535	5.2000e-004		0.0347	0.0347		0.0326	0.0326	0.0000	46.6984	46.6984	0.0115	0.0000	46.9397
Total	0.0605	0.4377	0.3535	5.2000e-004		0.0347	0.0347		0.0326	0.0326	0.0000	46.6984	46.6984	0.0115	0.0000	46.9397

3.4 Building Construction - 2017**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.1093	0.6661	1.5724	1.9900e-003	0.0581	0.0148	0.0729	0.0165	0.0136	0.0301	0.0000	177.1608	177.1608	1.0900e-003	0.0000	177.1837
Worker	0.0795	0.1360	1.2758	2.2100e-003	0.1863	1.3800e-003	0.1877	0.0495	1.2600e-003	0.0508	0.0000	159.1633	159.1633	0.0100	0.0000	159.3733
Total	0.1888	0.8022	2.8482	4.2000e-003	0.2444	0.0161	0.2606	0.0660	0.0148	0.0808	0.0000	336.3241	336.3241	0.0111	0.0000	336.5570

3.5 Paving - 2016**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.0679	0.7275	0.4816	7.2000e-004		0.0410	0.0410		0.0377	0.0377	0.0000	68.2949	68.2949	0.0206	0.0000	68.7275
Paving	0.0276					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0955	0.7275	0.4816	7.2000e-004		0.0410	0.0410		0.0377	0.0377	0.0000	68.2949	68.2949	0.0206	0.0000	68.7275

3.5 Paving - 2016

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	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	1.9500e-003	3.2200e-003	0.0305	5.0000e-005	3.9300e-003	3.0000e-005	3.9600e-003	1.0400e-003	3.0000e-005	1.0700e-003	0.0000	3.4958	3.4958	2.3000e-004	0.0000	3.5007
Total	1.9500e-003	3.2200e-003	0.0305	5.0000e-005	3.9300e-003	3.0000e-005	3.9600e-003	1.0400e-003	3.0000e-005	1.0700e-003	0.0000	3.4958	3.4958	2.3000e-004	0.0000	3.5007

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.0679	0.6184	0.4816	7.2000e-004		0.0410	0.0410		0.0377	0.0377	0.0000	68.2948	68.2948	0.0206	0.0000	68.7274
Paving	0.0276					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0955	0.6184	0.4816	7.2000e-004		0.0410	0.0410		0.0377	0.0377	0.0000	68.2948	68.2948	0.0206	0.0000	68.7274

3.5 Paving - 2016

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	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	1.9500e-003	3.2200e-003	0.0305	5.0000e-005	3.9300e-003	3.0000e-005	3.9600e-003	1.0400e-003	3.0000e-005	1.0700e-003	0.0000	3.4958	3.4958	2.3000e-004	0.0000	3.5007
Total	1.9500e-003	3.2200e-003	0.0305	5.0000e-005	3.9300e-003	3.0000e-005	3.9600e-003	1.0400e-003	3.0000e-005	1.0700e-003	0.0000	3.4958	3.4958	2.3000e-004	0.0000	3.5007

3.5 Paving - 2017

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.0334	0.3552	0.2577	3.9000e-004		0.0199	0.0199		0.0183	0.0183	0.0000	36.2135	36.2135	0.0111	0.0000	36.4465
Paving	0.0148					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0482	0.3552	0.2577	3.9000e-004		0.0199	0.0199		0.0183	0.0183	0.0000	36.2135	36.2135	0.0111	0.0000	36.4465

3.5 Paving - 2017

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	9.0000e-004	1.5500e-003	0.0145	3.0000e-005	2.1200e-003	2.0000e-005	2.1300e-003	5.6000e-004	1.0000e-005	5.8000e-004	0.0000	1.8081	1.8081	1.1000e-004	0.0000	1.8105
Total	9.0000e-004	1.5500e-003	0.0145	3.0000e-005	2.1200e-003	2.0000e-005	2.1300e-003	5.6000e-004	1.0000e-005	5.8000e-004	0.0000	1.8081	1.8081	1.1000e-004	0.0000	1.8105

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.0334	0.3019	0.2577	3.9000e-004		0.0199	0.0199		0.0183	0.0183	0.0000	36.2134	36.2134	0.0111	0.0000	36.4465
Paving	0.0148					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0482	0.3019	0.2577	3.9000e-004		0.0199	0.0199		0.0183	0.0183	0.0000	36.2134	36.2134	0.0111	0.0000	36.4465

3.5 Paving - 2017

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	9.0000e-004	1.5500e-003	0.0145	3.0000e-005	2.1200e-003	2.0000e-005	2.1300e-003	5.6000e-004	1.0000e-005	5.8000e-004	0.0000	1.8081	1.8081	1.1000e-004	0.0000	1.8105
Total	9.0000e-004	1.5500e-003	0.0145	3.0000e-005	2.1200e-003	2.0000e-005	2.1300e-003	5.6000e-004	1.0000e-005	5.8000e-004	0.0000	1.8081	1.8081	1.1000e-004	0.0000	1.8105

3.6 Architectural Coating - 2016

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	1.1486					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	4.0500e-003	0.0261	0.0207	3.0000e-005		2.1600e-003	2.1600e-003		2.1600e-003	2.1600e-003	0.0000	2.8086	2.8086	3.3000e-004	0.0000	2.8155
Total	1.1526	0.0261	0.0207	3.0000e-005		2.1600e-003	2.1600e-003		2.1600e-003	2.1600e-003	0.0000	2.8086	2.8086	3.3000e-004	0.0000	2.8155

3.6 Architectural Coating - 2016

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0104	0.0172	0.1632	2.5000e-004	0.0210	1.6000e-004	0.0212	5.5800e-003	1.5000e-004	5.7300e-003	0.0000	18.6946	18.6946	1.2400e-003	0.0000	18.7206
Total	0.0104	0.0172	0.1632	2.5000e-004	0.0210	1.6000e-004	0.0212	5.5800e-003	1.5000e-004	5.7300e-003	0.0000	18.6946	18.6946	1.2400e-003	0.0000	18.7206

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	1.1486					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	4.0500e-003	0.0222	0.0207	3.0000e-005		2.1600e-003	2.1600e-003		2.1600e-003	2.1600e-003	0.0000	2.8086	2.8086	3.3000e-004	0.0000	2.8155
Total	1.1526	0.0222	0.0207	3.0000e-005		2.1600e-003	2.1600e-003		2.1600e-003	2.1600e-003	0.0000	2.8086	2.8086	3.3000e-004	0.0000	2.8155

3.6 Architectural Coating - 2016

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	tons/yr										MT/yr						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	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	0.0000
Worker	0.0104	0.0172	0.1632	2.5000e-004	0.0210	1.6000e-004	0.0212	5.5800e-003	1.5000e-004	5.7300e-003	0.0000	18.6946	18.6946	1.2400e-003	0.0000	18.7206	
Total	0.0104	0.0172	0.1632	2.5000e-004	0.0210	1.6000e-004	0.0212	5.5800e-003	1.5000e-004	5.7300e-003	0.0000	18.6946	18.6946	1.2400e-003	0.0000	18.7206	

3.6 Architectural Coating - 2017

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	5.5861					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0178	0.1169	0.0999	1.6000e-004		9.2700e-003	9.2700e-003		9.2700e-003	9.2700e-003	0.0000	13.6599	13.6599	1.4400e-003	0.0000	13.6902
Total	5.6039	0.1169	0.0999	1.6000e-004		9.2700e-003	9.2700e-003		9.2700e-003	9.2700e-003	0.0000	13.6599	13.6599	1.4400e-003	0.0000	13.6902

3.6 Architectural Coating - 2017

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0436	0.0747	0.7001	1.2100e-003	0.1022	7.5000e-004	0.1030	0.0272	6.9000e-004	0.0279	0.0000	87.3358	87.3358	5.4900e-003	0.0000	87.4510
Total	0.0436	0.0747	0.7001	1.2100e-003	0.1022	7.5000e-004	0.1030	0.0272	6.9000e-004	0.0279	0.0000	87.3358	87.3358	5.4900e-003	0.0000	87.4510

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	5.5861					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0178	0.0994	0.0999	1.6000e-004		9.2700e-003	9.2700e-003		9.2700e-003	9.2700e-003	0.0000	13.6599	13.6599	1.4400e-003	0.0000	13.6902
Total	5.6039	0.0994	0.0999	1.6000e-004		9.2700e-003	9.2700e-003		9.2700e-003	9.2700e-003	0.0000	13.6599	13.6599	1.4400e-003	0.0000	13.6902

3.6 Architectural Coating - 2017

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0436	0.0747	0.7001	1.2100e-003	0.1022	7.5000e-004	0.1030	0.0272	6.9000e-004	0.0279	0.0000	87.3358	87.3358	5.4900e-003	0.0000	87.4510
Total	0.0436	0.0747	0.7001	1.2100e-003	0.1022	7.5000e-004	0.1030	0.0272	6.9000e-004	0.0279	0.0000	87.3358	87.3358	5.4900e-003	0.0000	87.4510

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	3.0795	9.2712	41.3443	0.0617	3.9171	0.1385	4.0556	1.0478	0.1273	1.1751	0.0000	4,820.0668	4,820.0668	0.1970	0.0000	4,824.2045
Unmitigated	3.0795	9.2712	41.3443	0.0617	3.9171	0.1385	4.0556	1.0478	0.1273	1.1751	0.0000	4,820.0668	4,820.0668	0.1970	0.0000	4,824.2045

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Other Non-Asphalt Surfaces	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Unrefrigerated Warehouse-No Rail	3,528.77	3,528.77	3,528.77	10,302,287	10,302,287
Total	3,528.77	3,528.77	3,528.77	10,302,287	10,302,287

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
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
Unrefrigerated Warehouse-No	9.50	7.30	7.30	59.00	0.00	41.00	92	5	3

LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
0.434564	0.068056	0.178415	0.157220	0.054651	0.008723	0.006985	0.074355	0.001157	0.001000	0.009707	0.000674	0.004492

5.0 Energy Detail

5.1 Fleet Mix

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	1,532.4630	1,532.4630	0.0704	0.0146	1,538.4603
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	1,532.4630	1,532.4630	0.0704	0.0146	1,538.4603
NaturalGas Mitigated	0.0157	0.1429	0.1201	8.6000e-004		0.0109	0.0109		0.0109	0.0109	0.0000	155.5915	155.5915	2.9800e-003	2.8500e-003	156.5384
NaturalGas Unmitigated	0.0157	0.1429	0.1201	8.6000e-004		0.0109	0.0109		0.0109	0.0109	0.0000	155.5915	155.5915	2.9800e-003	2.8500e-003	156.5384

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					
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
Unrefrigerated Warehouse-No Pail	2.91568e+006	0.0157	0.1429	0.1201	8.6000e-004		0.0109	0.0109		0.0109	0.0109	0.0000	155.5915	155.5915	2.9800e-003	2.8500e-003	156.5384
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
Total		0.0157	0.1429	0.1201	8.6000e-004		0.0109	0.0109		0.0109	0.0109	0.0000	155.5915	155.5915	2.9800e-003	2.8500e-003	156.5384

5.2 Energy by Land Use - NaturalGas

Mitigated

	Natural Gas 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					
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
Unrefrigerated Warehouse-No Rail	2.91568e+006	0.0157	0.1429	0.1201	8.6000e-004		0.0109	0.0109		0.0109	0.0109	0.0000	155.5915	155.5915	2.9800e-003	2.8500e-003	156.5384
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
Total		0.0157	0.1429	0.1201	8.6000e-004		0.0109	0.0109		0.0109	0.0109	0.0000	155.5915	155.5915	2.9800e-003	2.8500e-003	156.5384

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	1.24049e+006	354.9880	0.0163	3.3800e-003	356.3772
Unrefrigerated Warehouse-No Rail	4.11464e+006	1,177.4750	0.0541	0.0112	1,182.0830
Total		1,532.4630	0.0704	0.0146	1,538.4603

5.3 Energy by Land Use - Electricity

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	1.24049e+006	354.9880	0.0163	3.3800e-003	356.3772
Unrefrigerated Warehouse-No Paint	4.11464e+006	1,177.4750	0.0541	0.0112	1,182.0830
Total		1,532.4630	0.0704	0.0146	1,538.4603

6.0 Area Detail

6.1 Mitigation Measures Area

Use Low VOC Paint - Residential Interior

Use Low VOC Paint - Residential Exterior

Use Low VOC Paint - Non-Residential Interior

Use Low VOC Paint - Non-Residential Exterior

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	11.1859	2.5000e-004	0.0264	0.0000		1.0000e-004	1.0000e-004		1.0000e-004	1.0000e-004	0.0000	0.0504	0.0504	1.4000e-004	0.0000	0.0533
Unmitigated	11.7331	2.5000e-004	0.0264	0.0000		1.0000e-004	1.0000e-004		1.0000e-004	1.0000e-004	0.0000	0.0504	0.0504	1.4000e-004	0.0000	0.0533

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	0.7156					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	11.0149					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	2.5500e-003	2.5000e-004	0.0264	0.0000		1.0000e-004	1.0000e-004		1.0000e-004	1.0000e-004	0.0000	0.0504	0.0504	1.4000e-004	0.0000	0.0533
Total	11.7331	2.5000e-004	0.0264	0.0000		1.0000e-004	1.0000e-004		1.0000e-004	1.0000e-004	0.0000	0.0504	0.0504	1.4000e-004	0.0000	0.0533

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.1684					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	11.0149					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	2.5500e-003	2.5000e-004	0.0264	0.0000		1.0000e-004	1.0000e-004		1.0000e-004	1.0000e-004	0.0000	0.0504	0.0504	1.4000e-004	0.0000	0.0533
Total	11.1859	2.5000e-004	0.0264	0.0000		1.0000e-004	1.0000e-004		1.0000e-004	1.0000e-004	0.0000	0.0504	0.0504	1.4000e-004	0.0000	0.0533

7.0 Water Detail

7.1 Mitigation Measures Water

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	1,273.9599	10.3186	0.2532	1,569.1405
Unmitigated	1,273.9599	10.3205	0.2536	1,569.3000

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
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
Unrefrigerated Warehouse-No Rail	315.069 / 0	1,273.959	10.3205	0.2536	1,569.300
Total		1,273.959	10.3205	0.2536	1,569.300

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
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
Unrefrigerated Warehouse-No Rail	315.069 / 0	1,273.959	10.3186	0.2532	1,569.140
Total		1,273.959	10.3186	0.2532	1,569.140

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	259.9726	15.3639	0.0000	582.6153
Unmitigated	259.9726	15.3639	0.0000	582.6153

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Oil	1280.71	259.9726	15.3639	0.0000	582.6153
Total		259.9726	15.3639	0.0000	582.6153

8.2 Waste by Land Use

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	1280.71	259.9726	15.3639	0.0000	582.6153
Total		259.9726	15.3639	0.0000	582.6153

9.0 Operational Offroad

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