

Preserve at San Juan Construction Emissions-Phase 1 - South Coast Air Basin, Summer

**Preserve at San Juan Construction Emissions-Phase 1
South Coast Air Basin, Summer**

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Single Family Housing	72.00	Dwelling Unit	23.38	129,600.00	206

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	31
Climate Zone	8			Operational Year	2017
Utility Company	Southern California Edison				
CO2 Intensity (lb/MW hr)	702.44	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

Preserve at San Juan Construction Emissions-Phase 1 - South Coast Air Basin, Summer

Project Characteristics -

Land Use - Project Description based on Table 1. 72 dwelling units

Construction Phase - Construction runs only-Phase 1

Off-road Equipment -

Off-road Equipment -

Off-road Equipment - Construction equipment for drainage construction assumed to be similar to building construction equipment

Off-road Equipment - No demolition

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Trips and VMT - Work trips are for Phase 1 (as shown in Table 2.7 of project description section)

On-road Fugitive Dust - No Demolition

Grading - Total acres developed under Phase 1- 108.6 acres

Architectural Coating -

Vehicle Trips - Construction Phase 1 only

Woodstoves - Construction only Phase 1

Consumer Products - Construction only runs

Area Coating - Construction Only Runs Phase 1

Landscape Equipment - Construction Phase 1 only

Water And Wastewater - Construction Runs Only-Phase 1

Construction Off-road Equipment Mitigation - Rule 403- Reduce dust during construction- watering 2 per day
 Rule 1110.2 reduce NOx emissions from engines- Tier 2

Table Name	Column Name	Default Value	New Value
tblAreaCoating	Area_EF_Nonresidential_Exterior	100	0
tblAreaCoating	Area_EF_Nonresidential_Interior	100	0
tblAreaCoating	Area_EF_Parking	100	0
tblAreaCoating	Area_EF_Residential_Exterior	50	0

Preserve at San Juan Construction Emissions-Phase 1 - South Coast Air Basin, Summer

tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstructionPhase	NumDays	20.00	30.00
tblConstructionPhase	NumDays	370.00	90.00
tblConstructionPhase	NumDays	370.00	120.00
tblConstructionPhase	NumDays	20.00	0.00
tblConstructionPhase	NumDays	35.00	120.00
tblConstructionPhase	NumDays	20.00	30.00
tblConstructionPhase	NumDays	10.00	45.00
tblConstructionPhase	PhaseEndDate	9/2/2016	9/16/2016
tblConstructionPhase	PhaseEndDate	3/4/2016	4/1/2016
tblConstructionPhase	PhaseEndDate	7/8/2016	8/19/2016
tblConstructionPhase	PhaseEndDate	11/27/2015	1/8/2016
tblConstructionPhase	PhaseEndDate	8/5/2016	8/19/2016
tblConstructionPhase	PhaseEndDate	7/24/2015	8/14/2015
tblFireplaces	FireplaceDayYear	25.00	0.00
tblFireplaces	FireplaceHourDay	3.00	0.00
tblFireplaces	FireplaceWoodMass	1,019.20	0.00
tblFireplaces	NumberGas	61.20	0.00
tblFireplaces	NumberNoFireplace	7.20	0.00
tblFireplaces	NumberWood	3.60	0.00
tblGrading	AcresOfGrading	225.00	108.60
tblGrading	MaterialExported	0.00	450,000.00
tblGrading	MaterialImported	0.00	450,000.00
tblOnRoadDust	HaulingPercentPave	100.00	0.00
tblOnRoadDust	VendorPercentPave	100.00	0.00

Preserve at San Juan Construction Emissions-Phase 1 - South Coast Air Basin, Summer

tblOnRoadDust	WorkerPercentPave	100.00	0.00
tblProjectCharacteristics	OperationalYear	2018	2017
tblTripsAndVMT	WorkerTripNumber	18.00	5.00
tblTripsAndVMT	WorkerTripNumber	15.00	0.00
tblTripsAndVMT	WorkerTripNumber	20.00	15.00
tblTripsAndVMT	WorkerTripNumber	26.00	10.00
tblTripsAndVMT	WorkerTripNumber	26.00	50.00
tblTripsAndVMT	WorkerTripNumber	15.00	6.00
tblTripsAndVMT	WorkerTripNumber	5.00	4.00
tblVehicleTrips	DV_TP	11.00	0.00
tblVehicleTrips	HO_TL	8.70	0.00
tblVehicleTrips	HO_TTP	40.60	0.00
tblVehicleTrips	HS_TL	5.90	0.00
tblVehicleTrips	HS_TTP	19.20	0.00
tblVehicleTrips	HW_TL	14.70	0.00
tblVehicleTrips	HW_TTP	40.20	0.00
tblVehicleTrips	PB_TP	3.00	0.00
tblVehicleTrips	PR_TP	86.00	0.00
tblVehicleTrips	ST_TR	9.91	0.00
tblVehicleTrips	SU_TR	8.62	0.00
tblVehicleTrips	WD_TR	9.52	0.00
tblWater	IndoorWaterUseRate	4,691,089.84	0.00
tblWater	OutdoorWaterUseRate	2,957,426.21	0.00
tblWoodstoves	NumberCatalytic	3.60	0.00
tblWoodstoves	NumberNoncatalytic	3.60	0.00
tblWoodstoves	WoodstoveDayYear	25.00	0.00
tblWoodstoves	WoodstoveWoodMass	999.60	0.00

Preserve at San Juan Construction Emissions-Phase 1 - South Coast Air Basin, Summer

2.0 Emissions Summary**2.1 Overall Construction (Maximum Daily Emission)****Unmitigated Construction**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2015	11.6739	131.4067	67.2060	0.1028	18.5922	6.6061	25.1983	9.3945	6.0776	15.4721	0.0000	10,780.51 92	10,780.51 92	3.1519	0.0000	10,859.31 77
2016	33.4037	102.4289	61.1391	0.0943	6.6551	5.2952	11.9503	2.8036	4.9105	7.7141	0.0000	9,670.896 1	9,670.896 1	2.6404	0.0000	9,736.906 4
Maximum	33.4037	131.4067	67.2060	0.1028	18.5922	6.6061	25.1983	9.3945	6.0776	15.4721	0.0000	10,780.51 92	10,780.51 92	3.1519	0.0000	10,859.31 77

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2015	3.1725	85.0759	61.1447	0.1028	8.4895	2.2815	10.7710	4.2601	2.2814	6.5415	0.0000	10,780.51 92	10,780.51 92	3.1519	0.0000	10,859.31 77
2016	29.6096	76.0321	56.5198	0.0943	3.1767	2.2511	5.4277	1.3105	2.2504	3.5609	0.0000	9,670.896 1	9,670.896 1	2.6404	0.0000	9,736.906 4
Maximum	29.6096	85.0759	61.1447	0.1028	8.4895	2.2815	10.7710	4.2601	2.2814	6.5415	0.0000	10,780.51 92	10,780.51 92	3.1519	0.0000	10,859.31 77

Preserve at San Juan Construction Emissions-Phase 1 - South Coast Air Basin, Summer

	ROG	NOx	CO	SO2	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	27.28	31.10	8.32	0.00	53.79	61.91	56.39	54.33	58.76	56.43	0.00	0.00	0.00	0.00	0.00	0.00

Preserve at San Juan Construction Emissions-Phase 1 - South Coast Air Basin, Summer

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	2.7529	0.0699	5.9999	3.1000e-004		0.0326	0.0326		0.0326	0.0326	0.0000	10.6958	10.6958	0.0107	0.0000	10.9642
Energy	0.0664	0.5672	0.2413	3.6200e-003		0.0459	0.0459		0.0459	0.0459		724.0185	724.0185	0.0139	0.0133	728.3210
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	2.8193	0.6371	6.2413	3.9300e-003	0.0000	0.0784	0.0784	0.0000	0.0784	0.0784	0.0000	734.7143	734.7143	0.0246	0.0133	739.2852

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	2.7529	0.0699	5.9999	3.1000e-004		0.0326	0.0326		0.0326	0.0326	0.0000	10.6958	10.6958	0.0107	0.0000	10.9642
Energy	0.0664	0.5672	0.2413	3.6200e-003		0.0459	0.0459		0.0459	0.0459		724.0185	724.0185	0.0139	0.0133	728.3210
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	2.8193	0.6371	6.2413	3.9300e-003	0.0000	0.0784	0.0784	0.0000	0.0784	0.0784	0.0000	734.7143	734.7143	0.0246	0.0133	739.2852

Preserve at San Juan Construction Emissions-Phase 1 - South Coast Air Basin, Summer

	ROG	NOx	CO	SO2	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	0.00	0.00	0.00	0.00	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	6/15/2015	8/14/2015	5	45	
2	Demolition	Demolition	6/15/2015	6/14/2015	5	0	
3	Grading	Grading	7/25/2015	1/8/2016	5	120	
4	Construction of Drainage	Building Construction	11/28/2015	4/1/2016	5	90	
5	Building Construction	Building Construction	3/5/2016	8/19/2016	5	120	
6	Paving	Paving	7/9/2016	8/19/2016	5	30	
7	Architectural Coating	Architectural Coating	8/6/2016	9/16/2016	5	30	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 108.6

Acres of Paving: 0

Residential Indoor: 262,440; Residential Outdoor: 87,480; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

Preserve at San Juan Construction Emissions-Phase 1 - South Coast Air Basin, Summer

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Excavators	3	8.00	158	0.38
Demolition	Rubber Tired Dozers	2	8.00	247	0.40
Grading	Excavators	2	8.00	158	0.38
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Scrapers	2	8.00	367	0.48
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Construction of Drainage	Cranes	1	7.00	231	0.29
Construction of Drainage	Forklifts	3	8.00	89	0.20
Construction of Drainage	Generator Sets	1	8.00	84	0.74
Construction of Drainage	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Construction of Drainage	Welders	1	8.00	46	0.45
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Paving	Pavers	2	8.00	130	0.42
Paving	Paving Equipment	2	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Preserve at San Juan Construction Emissions-Phase 1 - South Coast Air Basin, Summer

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	5.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Demolition	6	0.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Construction of Drainage	9	10.00	8.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	50.00	8.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	6.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	4.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Water Exposed Area

Clean Paved Roads

3.2 Site Preparation - 2015

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					12.0442	0.0000	12.0442	6.6205	0.0000	6.6205			0.0000			0.0000
Off-Road	5.2493	55.4642	23.9236	0.0381		3.1336	3.1336		2.8830	2.8830		4,000.7845	4,000.7845	1.1944		4,030.6445
Total	5.2493	55.4642	23.9236	0.0381	12.0442	3.1336	15.1778	6.6205	2.8830	9.5034		4,000.7845	4,000.7845	1.1944		4,030.6445

Preserve at San Juan Construction Emissions-Phase 1 - South Coast Air Basin, Summer

3.2 Site Preparation - 2015

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	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	0.0381	0.0290	0.3655	6.6000e-004	0.0559	5.1000e-004	0.0564	0.0148	4.8000e-004	0.0153		65.9243	65.9243	3.0600e-003		66.0007
Total	0.0381	0.0290	0.3655	6.6000e-004	0.0559	5.1000e-004	0.0564	0.0148	4.8000e-004	0.0153		65.9243	65.9243	3.0600e-003		66.0007

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					5.4199	0.0000	5.4199	2.9792	0.0000	2.9792			0.0000			0.0000
Off-Road	1.2097	33.7214	22.9600	0.0381		0.9462	0.9462		0.9462	0.9462	0.0000	4,000.7845	4,000.7845	1.1944		4,030.6445
Total	1.2097	33.7214	22.9600	0.0381	5.4199	0.9462	6.3661	2.9792	0.9462	3.9254	0.0000	4,000.7845	4,000.7845	1.1944		4,030.6445

Preserve at San Juan Construction Emissions-Phase 1 - South Coast Air Basin, Summer

3.3 Demolition - 2015

Mitigated Construction Off-Site

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

3.4 Grading - 2015

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.3245	0.0000	6.3245	2.7147	0.0000	2.7147			0.0000			0.0000
Off-Road	6.2723	75.8267	41.8203	0.0621		3.4704	3.4704		3.1927	3.1927		6,516.0375	6,516.0375	1.9453		6,564.6703
Total	6.2723	75.8267	41.8203	0.0621	6.3245	3.4704	9.7949	2.7147	3.1927	5.9075		6,516.0375	6,516.0375	1.9453		6,564.6703

Preserve at San Juan Construction Emissions-Phase 1 - South Coast Air Basin, Summer

3.4 Grading - 2015

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	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	0.1142	0.0869	1.0965	1.9900e-003	0.1677	1.5400e-003	0.1692	0.0445	1.4300e-003	0.0459		197.7729	197.7729	9.1700e-003		198.0022
Total	0.1142	0.0869	1.0965	1.9900e-003	0.1677	1.5400e-003	0.1692	0.0445	1.4300e-003	0.0459		197.7729	197.7729	9.1700e-003		198.0022

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					2.8460	0.0000	2.8460	1.2216	0.0000	1.2216			0.0000			0.0000
Off-Road	1.8106	51.2386	36.7226	0.0621		1.3333	1.3333		1.3333	1.3333	0.0000	6,516.0375	6,516.0375	1.9453		6,564.6703
Total	1.8106	51.2386	36.7226	0.0621	2.8460	1.3333	4.1793	1.2216	1.3333	2.5549	0.0000	6,516.0375	6,516.0375	1.9453		6,564.6703

Preserve at San Juan Construction Emissions-Phase 1 - South Coast Air Basin, Summer

3.4 Grading - 2015

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	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	0.1142	0.0869	1.0965	1.9900e-003	0.1677	1.5400e-003	0.1692	0.0445	1.4300e-003	0.0459		197.7729	197.7729	9.1700e-003		198.0022
Total	0.1142	0.0869	1.0965	1.9900e-003	0.1677	1.5400e-003	0.1692	0.0445	1.4300e-003	0.0459		197.7729	197.7729	9.1700e-003		198.0022

3.4 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					6.3245	0.0000	6.3245	2.7147	0.0000	2.7147			0.0000			0.0000
Off-Road	6.0698	72.5183	40.6512	0.0620		3.3061	3.3061		3.0416	3.0416		6,446.1078	6,446.1078	1.9444		6,494.7172
Total	6.0698	72.5183	40.6512	0.0620	6.3245	3.3061	9.6306	2.7147	3.0416	5.7563		6,446.1078	6,446.1078	1.9444		6,494.7172

Preserve at San Juan Construction Emissions-Phase 1 - South Coast Air Basin, Summer

3.4 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	0.1016	0.0760	0.9679	1.9400e-003	0.1677	1.4600e-003	0.1691	0.0445	1.3400e-003	0.0458		192.9851	192.9851	8.0700e-003		193.1870
Total	0.1016	0.0760	0.9679	1.9400e-003	0.1677	1.4600e-003	0.1691	0.0445	1.3400e-003	0.0458		192.9851	192.9851	8.0700e-003		193.1870

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					2.8460	0.0000	2.8460	1.2216	0.0000	1.2216			0.0000			0.0000
Off-Road	1.8106	51.2386	36.7226	0.0620		1.3333	1.3333		1.3333	1.3333	0.0000	6,446.1078	6,446.1078	1.9444		6,494.7172
Total	1.8106	51.2386	36.7226	0.0620	2.8460	1.3333	4.1793	1.2216	1.3333	2.5549	0.0000	6,446.1078	6,446.1078	1.9444		6,494.7172

Preserve at San Juan Construction Emissions-Phase 1 - South Coast Air Basin, Summer

3.4 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	0.1016	0.0760	0.9679	1.9400e-003	0.1677	1.4600e-003	0.1691	0.0445	1.3400e-003	0.0458		192.9851	192.9851	8.0700e-003		193.1870
Total	0.1016	0.0760	0.9679	1.9400e-003	0.1677	1.4600e-003	0.1691	0.0445	1.3400e-003	0.0458		192.9851	192.9851	8.0700e-003		193.1870

3.5 Construction of Drainage - 2015

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	3.6734	30.2005	18.8039	0.0269		2.1245	2.1245		1.9976	1.9976		2,701.0442	2,701.0442	0.6782		2,718.0002
Total	3.6734	30.2005	18.8039	0.0269		2.1245	2.1245		1.9976	1.9976		2,701.0442	2,701.0442	0.6782		2,718.0002

Preserve at San Juan Construction Emissions-Phase 1 - South Coast Air Basin, Summer

3.5 Construction of Drainage - 2015

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0526	1.1833	0.3530	2.0900e-003	0.0512	0.0141	0.0653	0.0147	0.0135	0.0282		222.4813	222.4813	0.0178		222.9263
Worker	0.0761	0.0579	0.7310	1.3300e-003	0.1118	1.0300e-003	0.1128	0.0296	9.5000e-004	0.0306		131.8486	131.8486	6.1200e-003		132.0015
Total	0.1287	1.2413	1.0840	3.4200e-003	0.1630	0.0151	0.1781	0.0444	0.0144	0.0588		354.3299	354.3299	0.0239		354.9277

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	1.0809	23.5544	17.8738	0.0269		0.9036	0.9036		0.9036	0.9036	0.0000	2,701.0442	2,701.0442	0.6782		2,718.0002
Total	1.0809	23.5544	17.8738	0.0269		0.9036	0.9036		0.9036	0.9036	0.0000	2,701.0442	2,701.0442	0.6782		2,718.0002

Preserve at San Juan Construction Emissions-Phase 1 - South Coast Air Basin, Summer

3.5 Construction of Drainage - 2015

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0526	1.1833	0.3530	2.0900e-003	0.0512	0.0141	0.0653	0.0147	0.0135	0.0282		222.4813	222.4813	0.0178		222.9263
Worker	0.0761	0.0579	0.7310	1.3300e-003	0.1118	1.0300e-003	0.1128	0.0296	9.5000e-004	0.0306		131.8486	131.8486	6.1200e-003		132.0015
Total	0.1287	1.2413	1.0840	3.4200e-003	0.1630	0.0151	0.1781	0.0444	0.0144	0.0588		354.3299	354.3299	0.0239		354.9277

3.5 Construction of Drainage - 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	3.4202	28.6715	18.5644	0.0269		1.9749	1.9749		1.8554	1.8554		2,680.6350	2,680.6350	0.6655		2,697.2713
Total	3.4202	28.6715	18.5644	0.0269		1.9749	1.9749		1.8554	1.8554		2,680.6350	2,680.6350	0.6655		2,697.2713

Preserve at San Juan Construction Emissions-Phase 1 - South Coast Air Basin, Summer

3.5 Construction of Drainage - 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	0.0461	1.1124	0.3103	2.0900e-003	0.0512	0.0118	0.0630	0.0147	0.0113	0.0260		222.5114	222.5114	0.0171		222.9396
Worker	0.0677	0.0507	0.6453	1.2900e-003	0.1118	9.7000e-004	0.1128	0.0296	9.0000e-004	0.0305		128.6568	128.6568	5.3800e-003		128.7913
Total	0.1138	1.1630	0.9556	3.3800e-003	0.1630	0.0128	0.1757	0.0444	0.0122	0.0566		351.1682	351.1682	0.0225		351.7309

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	1.0809	23.5544	17.8738	0.0269		0.9036	0.9036		0.9036	0.9036	0.0000	2,680.6350	2,680.6350	0.6655		2,697.2713
Total	1.0809	23.5544	17.8738	0.0269		0.9036	0.9036		0.9036	0.9036	0.0000	2,680.6350	2,680.6350	0.6655		2,697.2713

Preserve at San Juan Construction Emissions-Phase 1 - South Coast Air Basin, Summer

3.5 Construction of Drainage - 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	0.0461	1.1124	0.3103	2.0900e-003	0.0512	0.0118	0.0630	0.0147	0.0113	0.0260		222.5114	222.5114	0.0171		222.9396
Worker	0.0677	0.0507	0.6453	1.2900e-003	0.1118	9.7000e-004	0.1128	0.0296	9.0000e-004	0.0305		128.6568	128.6568	5.3800e-003		128.7913
Total	0.1138	1.1630	0.9556	3.3800e-003	0.1630	0.0128	0.1757	0.0444	0.0122	0.0566		351.1682	351.1682	0.0225		351.7309

3.6 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	3.4202	28.6715	18.5644	0.0269		1.9749	1.9749		1.8554	1.8554		2,680.6350	2,680.6350	0.6655		2,697.2713
Total	3.4202	28.6715	18.5644	0.0269		1.9749	1.9749		1.8554	1.8554		2,680.6350	2,680.6350	0.6655		2,697.2713

Preserve at San Juan Construction Emissions-Phase 1 - South Coast Air Basin, Summer

3.6 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	0.0461	1.1124	0.3103	2.0900e-003	0.0512	0.0118	0.0630	0.0147	0.0113	0.0260		222.5114	222.5114	0.0171		222.9396
Worker	0.3387	0.2534	3.2263	6.4700e-003	0.5589	4.8500e-003	0.5637	0.1482	4.4800e-003	0.1527		643.2838	643.2838	0.0269		643.9566
Total	0.3847	1.3658	3.5366	8.5600e-003	0.6101	0.0166	0.6267	0.1630	0.0158	0.1787		865.7952	865.7952	0.0440		866.8962

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	1.0809	23.5544	17.8738	0.0269		0.9036	0.9036		0.9036	0.9036	0.0000	2,680.6350	2,680.6350	0.6655		2,697.2713
Total	1.0809	23.5544	17.8738	0.0269		0.9036	0.9036		0.9036	0.9036	0.0000	2,680.6350	2,680.6350	0.6655		2,697.2713

Preserve at San Juan Construction Emissions-Phase 1 - South Coast Air Basin, Summer

3.6 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	0.0461	1.1124	0.3103	2.0900e-003	0.0512	0.0118	0.0630	0.0147	0.0113	0.0260		222.5114	222.5114	0.0171		222.9396
Worker	0.3387	0.2534	3.2263	6.4700e-003	0.5589	4.8500e-003	0.5637	0.1482	4.4800e-003	0.1527		643.2838	643.2838	0.0269		643.9566
Total	0.3847	1.3658	3.5366	8.5600e-003	0.6101	0.0166	0.6267	0.1630	0.0158	0.1787		865.7952	865.7952	0.0440		866.8962

3.7 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	2.1313	22.8567	15.1241	0.0228		1.2844	1.2844		1.1816	1.1816		2,366.7199	2,366.7199	0.7139		2,384.5671
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	2.1313	22.8567	15.1241	0.0228		1.2844	1.2844		1.1816	1.1816		2,366.7199	2,366.7199	0.7139		2,384.5671

Preserve at San Juan Construction Emissions-Phase 1 - South Coast Air Basin, Summer

3.7 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	0.0406	0.0304	0.3872	7.8000e-004	0.0671	5.8000e-004	0.0677	0.0178	5.4000e-004	0.0183		77.1941	77.1941	3.2300e-003		77.2748
Total	0.0406	0.0304	0.3872	7.8000e-004	0.0671	5.8000e-004	0.0677	0.0178	5.4000e-004	0.0183		77.1941	77.1941	3.2300e-003		77.2748

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9311	20.1146	17.2957	0.0228		0.6670	0.6670		0.6670	0.6670	0.0000	2,366.7199	2,366.7199	0.7139		2,384.5671
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.9311	20.1146	17.2957	0.0228		0.6670	0.6670		0.6670	0.6670	0.0000	2,366.7199	2,366.7199	0.7139		2,384.5671

Preserve at San Juan Construction Emissions-Phase 1 - South Coast Air Basin, Summer

3.7 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	0.0406	0.0304	0.3872	7.8000e-004	0.0671	5.8000e-004	0.0677	0.0178	5.4000e-004	0.0183		77.1941	77.1941	3.2300e-003		77.2748
Total	0.0406	0.0304	0.3872	7.8000e-004	0.0671	5.8000e-004	0.0677	0.0178	5.4000e-004	0.0183		77.1941	77.1941	3.2300e-003		77.2748

3.8 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	27.0313					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		282.2776
Total	27.3998	2.3722	1.8839	2.9700e-003		0.1966	0.1966		0.1966	0.1966		281.4481	281.4481	0.0332		282.2776

Preserve at San Juan Construction Emissions-Phase 1 - South Coast Air Basin, Summer

3.8 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	0.0271	0.0203	0.2581	5.2000e-004	0.0447	3.9000e-004	0.0451	0.0119	3.6000e-004	0.0122		51.4627	51.4627	2.1500e-003		51.5165
Total	0.0271	0.0203	0.2581	5.2000e-004	0.0447	3.9000e-004	0.0451	0.0119	3.6000e-004	0.0122		51.4627	51.4627	2.1500e-003		51.5165

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	27.0313					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1139	2.3524	1.8324	2.9700e-003		0.0951	0.0951		0.0951	0.0951	0.0000	281.4481	281.4481	0.0332		282.2776
Total	27.1452	2.3524	1.8324	2.9700e-003		0.0951	0.0951		0.0951	0.0951	0.0000	281.4481	281.4481	0.0332		282.2776

Preserve at San Juan Construction Emissions-Phase 1 - South Coast Air Basin, Summer

3.8 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	0.0271	0.0203	0.2581	5.2000e-004	0.0447	3.9000e-004	0.0451	0.0119	3.6000e-004	0.0122		51.4627	51.4627	2.1500e-003		51.5165
Total	0.0271	0.0203	0.2581	5.2000e-004	0.0447	3.9000e-004	0.0451	0.0119	3.6000e-004	0.0122		51.4627	51.4627	2.1500e-003		51.5165

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

Preserve at San Juan Construction Emissions-Phase 1 - South Coast Air Basin, Summer

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

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Single Family Housing	0.00	0.00	0.00		
Total	0.00	0.00	0.00		

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
Single Family Housing	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Single Family Housing	0.544524	0.045551	0.198447	0.129336	0.019135	0.005878	0.019261	0.027434	0.001914	0.002222	0.004531	0.000699	0.001069

5.0 Energy Detail

Historical Energy Use: N

Preserve at San Juan Construction Emissions-Phase 1 - South Coast Air Basin, Summer

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	0.0664	0.5672	0.2413	3.6200e-003		0.0459	0.0459		0.0459	0.0459		724.0185	724.0185	0.0139	0.0133	728.3210
NaturalGas Unmitigated	0.0664	0.5672	0.2413	3.6200e-003		0.0459	0.0459		0.0459	0.0459		724.0185	724.0185	0.0139	0.0133	728.3210

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					
Single Family Housing	6154.16	0.0664	0.5672	0.2413	3.6200e-003		0.0459	0.0459		0.0459	0.0459		724.0185	724.0185	0.0139	0.0133	728.3210
Total		0.0664	0.5672	0.2413	3.6200e-003		0.0459	0.0459		0.0459	0.0459		724.0185	724.0185	0.0139	0.0133	728.3210

Preserve at San Juan Construction Emissions-Phase 1 - South Coast Air Basin, Summer

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					
Single Family Housing	6.15416	0.0664	0.5672	0.2413	3.6200e-003		0.0459	0.0459		0.0459	0.0459		724.0185	724.0185	0.0139	0.0133	728.3210
Total		0.0664	0.5672	0.2413	3.6200e-003		0.0459	0.0459		0.0459	0.0459		724.0185	724.0185	0.0139	0.0133	728.3210

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	2.7529	0.0699	5.9999	3.1000e-004		0.0326	0.0326		0.0326	0.0326	0.0000	10.6958	10.6958	0.0107	0.0000	10.9642
Unmitigated	2.7529	0.0699	5.9999	3.1000e-004		0.0326	0.0326		0.0326	0.0326	0.0000	10.6958	10.6958	0.0107	0.0000	10.9642

Preserve at San Juan Construction Emissions-Phase 1 - South Coast Air Basin, Summer

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
SubCategory	lb/day										lb/day						
Architectural Coating	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000				0.0000
Consumer Products	2.5661					0.0000	0.0000		0.0000	0.0000			0.0000				0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
Landscaping	0.1868	0.0699	5.9999	3.1000e-004		0.0326	0.0326		0.0326	0.0326		10.6958	10.6958	0.0107			10.9642
Total	2.7529	0.0699	5.9999	3.1000e-004		0.0326	0.0326		0.0326	0.0326	0.0000	10.6958	10.6958	0.0107	0.0000		10.9642

Preserve at San Juan Construction Emissions-Phase 1 - South Coast Air Basin, Summer

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	2.5661					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.1868	0.0699	5.9999	3.1000e-004		0.0326	0.0326		0.0326	0.0326		10.6958	10.6958	0.0107		10.9642
Total	2.7529	0.0699	5.9999	3.1000e-004		0.0326	0.0326		0.0326	0.0326	0.0000	10.6958	10.6958	0.0107	0.0000	10.9642

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

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

10.0 Stationary Equipment

Preserve at San Juan Construction Emissions-Phase 1 - South Coast Air Basin, Summer

Fire Pumps and Emergency Generators

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

Boilers

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

User Defined Equipment

Equipment Type	Number
----------------	--------

11.0 Vegetation
