

Table 1. Construction Emissions (unmitigated)

Maximum Daily Emissions	Emissions (pounds per day)					
	NOx	VOC	CO	SOx	PM10	PM2.5
	24.33	12.14	16.05	0.03	7.83	4.47
Regional Threshold	100	75	550	150	150	55
Exceeds Regional Threshold?	NO	NO	NO	NO	NO	NO
Source: SCAQMD and CalEEMod						

Table 2. Construction Emissions (Rule 401 & 403 Compliance)

Maximum Daily Emissions	Emissions (pounds per day)					
	NOx	VOC	CO	SOx	PM10	PM2.5
	24.33	12.14	16.05	0.03	3.84	2.42
Regional Threshold	100	75	550	150	150	55
Exceeds Regional Threshold?	NO	NO	NO	NO	NO	NO
Source: SCAQMD and CalEEMod						

Table 3. Operational Emissions

Maximum Daily Emissions	Emissions (pounds per day)					
	NOx	VOC	CO	SOx	PM10	PM2.5
	1.81	0.57	3.72	0.01	0.86	0.25
Regional Threshold	55	55	550	150	150	55
Exceeds Regional Threshold?	NO	NO	NO	NO	NO	NO
Source: SCAQMD and CalEEMod						

Table 4. Project Greenhouse Gas Emissions

Source	GHG Emissions MT/yr			
	N2O	CO2	CH4	CO2e
Mobile Sources	0.000	142.12	0.007	142.31
Area	0.000	0.00032	0.00	0.00034
Energy	0.0007	64.41	0.002	64.69
Solid Waste	0.000	3.22	0.19	7.98
Water/Wastewater	0.0024	13.22	0.0097	16.35
30-year Amortized Construction GHG				8.69
TOTAL				240.02
SCAQMD Threshold				3,000
Exceed Threshold?				NO

CalEEMod Data: days and equipment as indicated: (CalEEMod Construction estimates from Defaults)

Site Preparation	3 - days
Grading	6 - days
Buidling Construction	220 - days
Paving	10 – days
Architectural Coating	10 - days

Construction Equipment List

Phase	Equipment Type	Number of Units	Hours /Day	Horse Power
Site Preparation	Grader	1	8	187
Site Preparation	Tractor/Loader/Backhoe	1	7	97
Site Preparation	Scrapers	1	8	367
Grading	Rubber Tired Dozer	1	8	247
Grading	Tractor/Loader/Backhoe	2	7	97
Grading	Grader	1	8	187
Bldg Construction	Forklift	2	7	89
Bldg Construction	Tractor/Loader/Backhoe	1	6	97
Bldg Construction	Crane	1	8	231
Bldg Construction	Generator Sets	1	8	84
Bldg Construction	Welders	3	8	46
Paving	Paver	1	8	130
Paving	Paving Equipment	1	8	132
Paving	Rollers	2	8	80
Paving	Tractor/Loader/Backhoe	1	8	97
Paving	Cement & Mortar Mixers	1	8	9
Architectural Coating	Air Compressor	1	6	78

LST Analysis (1 acres - receptor @ 50 meters)

Pollutant	LST Significance Threshold Lbs/Day*	Project Emissions (mitigated)	Exceeds Threshold?
(NO _x) for Construction and Operation	148	24.33	NO
(CO) for Construction and Operation	1,328	16.05	NO
PM 10 for Operation	4	0.86	NO
PM10 for Construction	14	3.84	NO
PM 2.5 for Operation	2	0.25	NO
PM2.5 for Construction	6	2.42	NO
*Based on LST SRA #32 1-acre @ 50 meters			