

**APPENDIX A**

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**Air Emissions Modeling**

**Glenoaks IS**  
**Los Angeles-South Coast County, Winter**

**1.0 Project Characteristics**

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**1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Apartments Mid Rise	76.00	Dwelling Unit	1.20	185,531.00	198
Other Asphalt Surfaces	79.60	1000sqft	0.00	79,600.00	0
Regional Shopping Center	12.90	1000sqft	0.00	12,900.00	0
City Park	0.12	Acre	0.00	5,401.44	0
Enclosed Parking with Elevator	199.00	Space	0.00	0.00	0

**1.2 Other Project Characteristics**

<b>Urbanization</b>	Urban	<b>Wind Speed (m/s)</b>	2.2	<b>Precipitation Freq (Days)</b>	33
<b>Climate Zone</b>	12			<b>Operational Year</b>	2017
<b>Utility Company</b>	Glendale Water & Power				
<b>CO2 Intensity (lb/MWhr)</b>	1115.33	<b>CH4 Intensity (lb/MWhr)</b>	0.029	<b>N2O Intensity (lb/MWhr)</b>	0.006

**1.3 User Entered Comments & Non-Default Data**



tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	5.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstructionPhase	NumDays	10.00	60.00
tblConstructionPhase	NumDays	200.00	230.00
tblConstructionPhase	NumDays	20.00	25.00
tblConstructionPhase	NumDays	4.00	120.00
tblConstructionPhase	NumDays	2.00	6.00
tblFireplaces	FireplaceDayYear	25.00	0.00

tblFireplaces	FireplaceHourDay	3.00	0.00
tblFireplaces	FireplaceWoodMass	1,019.20	0.00
tblFireplaces	NumberGas	64.60	0.00
tblFireplaces	NumberNoFireplace	7.60	0.00
tblFireplaces	NumberWood	3.80	0.00
tblGrading	AcresOfGrading	45.00	1.20
tblGrading	AcresOfGrading	3.00	1.20
tblGrading	MaterialExported	0.00	25,800.00
tblLandUse	LandUseSquareFeet	76,000.00	185,531.00
tblLandUse	LandUseSquareFeet	79,600.00	0.00
tblLandUse	LotAcreage	2.00	1.20
tblLandUse	LotAcreage	1.83	0.00
tblLandUse	LotAcreage	0.30	0.00
tblLandUse	LotAcreage	0.12	0.00
tblLandUse	LotAcreage	1.79	0.00
tblLandUse	Population	217.00	198.00
tblOffRoadEquipment	LoadFactor	0.38	0.38
tblOffRoadEquipment	OffRoadEquipmentType		Excavators
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblProjectCharacteristics	OperationalYear	2014	2017
tblSolidWaste	SolidWasteGenerationRate	34.96	47.42
tblSolidWaste	SolidWasteGenerationRate	0.01	0.00
tblSolidWaste	SolidWasteGenerationRate	13.55	10.06
tblVehicleTrips	ST_TR	7.16	6.65
tblVehicleTrips	ST_TR	1.59	0.00
tblVehicleTrips	ST_TR	49.97	42.70

tblVehicleTrips	SU_TR	6.07	6.65
tblVehicleTrips	SU_TR	1.59	0.00
tblVehicleTrips	SU_TR	25.24	42.70
tblVehicleTrips	WD_TR	6.59	6.65
tblVehicleTrips	WD_TR	1.59	0.00
tblVehicleTrips	WD_TR	42.94	42.70
tblWater	IndoorWaterUseRate	4,951,705.95	4,964,000.00
tblWater	IndoorWaterUseRate	955,535.53	470,850.00
tblWater	OutdoorWaterUseRate	3,121,727.66	0.00
tblWater	OutdoorWaterUseRate	142,977.76	0.00
tblWater	OutdoorWaterUseRate	585,650.81	0.00
tblWoodstoves	NumberCatalytic	3.80	0.00
tblWoodstoves	NumberNoncatalytic	3.80	0.00
tblWoodstoves	WoodstoveDayYear	25.00	0.00
tblWoodstoves	WoodstoveWoodMass	999.60	0.00

## 2.0 Emissions Summary

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## 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	3.0036	34.5074	24.0658	0.0395	5.5709	1.6066	7.0388	2.9431	1.5091	4.2936	0.0000	4,059.2059	4,059.2059	0.5909	0.0000	4,071.6144
2016	62.4566	32.2365	23.8662	0.0402	7.0201	1.4179	8.4380	3.1089	1.3573	4.4133	0.0000	4,011.4412	4,011.4412	0.5881	0.0000	4,023.7916
2017	62.4114	2.2918	2.9848	5.5800e-003	0.2124	0.1753	0.3876	0.0563	0.1751	0.2314	0.0000	493.5898	493.5898	0.0415	0.0000	494.4605
<b>Total</b>	<b>127.8716</b>	<b>69.0358</b>	<b>50.9168</b>	<b>0.0853</b>	<b>12.8033</b>	<b>3.1998</b>	<b>15.8644</b>	<b>6.1083</b>	<b>3.0415</b>	<b>8.9383</b>	<b>0.0000</b>	<b>8,564.2369</b>	<b>8,564.2369</b>	<b>1.2205</b>	<b>0.0000</b>	<b>8,589.8665</b>

### 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	1.0629	17.6320	19.4601	0.0395	2.4216	0.6118	2.9862	1.1623	0.6109	1.6975	0.0000	4,059.2059	4,059.2059	0.5909	0.0000	4,071.6144
2016	62.1476	16.5964	22.5875	0.0402	4.2437	0.7730	4.7790	1.5915	0.7696	2.1178	0.0000	4,011.4412	4,011.4412	0.5881	0.0000	4,023.7916
2017	62.1385	1.4638	2.9492	5.5800e-003	0.2124	0.0970	0.3094	0.0563	0.0969	0.1532	0.0000	493.5898	493.5898	0.0415	0.0000	494.4605
<b>Total</b>	<b>125.3489</b>	<b>35.6922</b>	<b>44.9968</b>	<b>0.0853</b>	<b>6.8777</b>	<b>1.4818</b>	<b>8.0746</b>	<b>2.8101</b>	<b>1.4774</b>	<b>3.9684</b>	<b>0.0000</b>	<b>8,564.2369</b>	<b>8,564.2369</b>	<b>1.2205</b>	<b>0.0000</b>	<b>8,589.8665</b>

	ROG	NOx	CO	SO2	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	1.97	48.30	11.63	0.00	46.28	53.69	49.10	54.00	51.43	55.60	0.00	0.00	0.00	0.00	0.00	0.00



**2.2 Overall Operational****Unmitigated Operational**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	6.8313	0.0741	6.3636	3.3000e-004		0.0345	0.0345		0.0345	0.0345	0.0000	11.3538	11.3538	0.0115	0.0000	11.5955
Energy	0.0168	0.1438	0.0636	9.2000e-004		0.0116	0.0116		0.0116	0.0116		183.0950	183.0950	3.5100e-003	3.3600e-003	184.2093
Mobile	3.7446	9.9366	39.2159	0.0908	6.1974	0.1381	6.3354	1.6572	0.1271	1.7843		7,763.8567	7,763.8567	0.3248		7,770.6775
<b>Total</b>	<b>10.5927</b>	<b>10.1545</b>	<b>45.6432</b>	<b>0.0920</b>	<b>6.1974</b>	<b>0.1842</b>	<b>6.3815</b>	<b>1.6572</b>	<b>0.1732</b>	<b>1.8304</b>	<b>0.0000</b>	<b>7,958.3056</b>	<b>7,958.3056</b>	<b>0.3398</b>	<b>3.3600e-003</b>	<b>7,966.4823</b>

**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	6.8313	0.0741	6.3636	3.3000e-004		0.0345	0.0345		0.0345	0.0345	0.0000	11.3538	11.3538	0.0115	0.0000	11.5955
Energy	0.0168	0.1438	0.0636	9.2000e-004		0.0116	0.0116		0.0116	0.0116		183.0950	183.0950	3.5100e-003	3.3600e-003	184.2093
Mobile	3.5533	8.4968	34.6057	0.0756	5.1297	0.1158	5.2455	1.3717	0.1066	1.4783		6,465.7944	6,465.7944	0.2741		6,471.5499
<b>Total</b>	<b>10.4014</b>	<b>8.7147</b>	<b>41.0330</b>	<b>0.0769</b>	<b>5.1297</b>	<b>0.1619</b>	<b>5.2916</b>	<b>1.3717</b>	<b>0.1527</b>	<b>1.5244</b>	<b>0.0000</b>	<b>6,660.2432</b>	<b>6,660.2432</b>	<b>0.2891</b>	<b>3.3600e-003</b>	<b>6,667.3547</b>

	ROG	NOx	CO	SO2	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	1.81	14.18	10.10	16.47	17.23	12.07	17.08	17.23	11.82	16.72	0.00	16.31	16.31	14.93	0.00	16.31

### 3.0 Construction Detail

#### Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	7/1/2015	8/4/2015	5	25	
2	Site Preparation	Site Preparation	8/5/2015	8/12/2015	5	6	
3	Grading	Grading	8/13/2015	1/27/2016	5	120	
4	Building Construction	Building Construction	1/28/2016	12/14/2016	5	230	
5	Paving	Paving	12/15/2016	12/28/2016	5	10	
6	Architectural Coating	Architectural Coating	12/29/2016	3/22/2017	5	60	

Acres of Grading (Site Preparation Phase): 1.2

Acres of Grading (Grading Phase): 1.2

Acres of Paving: 0

Residential Indoor: 375,700; Residential Outdoor: 125,233; Non-Residential Indoor: 146,852; Non-Residential Outdoor: 48,951 (Architectural Coating – sqft)

#### OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Architectural Coating	Air Compressors	1	6.00	78	0.48
Paving	Cement and Mortar Mixers	1	6.00	9	0.56
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Cranes	1	6.00	226	0.29
Building Construction	Forklifts	1	6.00	89	0.20
Site Preparation	Graders	1	8.00	174	0.41
Paving	Pavers	1	6.00	125	0.42
Paving	Rollers	1	7.00	80	0.38
Demolition	Rubber Tired Dozers	1	8.00	255	0.40
Grading	Rubber Tired Dozers	1	6.00	255	0.40
Building Construction	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Demolition	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Grading	Tractors/Loaders/Backhoes	1	7.00	97	0.37
Paving	Tractors/Loaders/Backhoes	0	0.00	97	0.37
Site Preparation	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Grading	Graders	1	6.00	174	0.41
Paving	Paving Equipment	1	8.00	130	0.36
Site Preparation	Rubber Tired Dozers	1	7.00	255	0.40
Building Construction	Welders	3	8.00	46	0.45
Grading	Excavators	1	6.00	162	0.38

**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
Demolition	4	10.00	0.00	43.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	3	8.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	4	10.00	0.00	3,225.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	7	95.00	24.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	4	10.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	19.00	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

Reduce Vehicle Speed on Unpaved Roads

Clean Paved Roads

### 3.2 Demolition - 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					0.3682	0.0000	0.3682	0.0557	0.0000	0.0557			0.0000			0.0000
Off-Road	2.7062	26.2456	19.6310	0.0214		1.5965	1.5965		1.4998	1.4998		2,181.572 2	2,181.572 2	0.5380		2,192.869 6
<b>Total</b>	<b>2.7062</b>	<b>26.2456</b>	<b>19.6310</b>	<b>0.0214</b>	<b>0.3682</b>	<b>1.5965</b>	<b>1.9646</b>	<b>0.0557</b>	<b>1.4998</b>	<b>1.5555</b>		<b>2,181.572 2</b>	<b>2,181.572 2</b>	<b>0.5380</b>		<b>2,192.869 6</b>

### 3.2 Demolition - 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	0.0366	0.5650	0.4264	1.2800e-003	0.0300	9.0300e-003	0.0390	8.2000e-003	8.3000e-003	0.0165		130.6013	130.6013	1.0800e-003		130.6239
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0514	0.0688	0.7205	1.3700e-003	0.1118	1.1200e-003	0.1129	0.0296	1.0200e-003	0.0307		120.0108	120.0108	7.2600e-003		120.1631
<b>Total</b>	<b>0.0880</b>	<b>0.6337</b>	<b>1.1469</b>	<b>2.6500e-003</b>	<b>0.1417</b>	<b>0.0102</b>	<b>0.1519</b>	<b>0.0378</b>	<b>9.3200e-003</b>	<b>0.0472</b>		<b>250.6121</b>	<b>250.6121</b>	<b>8.3400e-003</b>		<b>250.7871</b>

#### Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.1436	0.0000	0.1436	0.0217	0.0000	0.0217			0.0000			0.0000
Off-Road	0.4929	10.4999	13.2201	0.0214		0.6016	0.6016		0.6016	0.6016	0.0000	2,181.5722	2,181.5722	0.5380		2,192.8696
<b>Total</b>	<b>0.4929</b>	<b>10.4999</b>	<b>13.2201</b>	<b>0.0214</b>	<b>0.1436</b>	<b>0.6016</b>	<b>0.7452</b>	<b>0.0217</b>	<b>0.6016</b>	<b>0.6234</b>	<b>0.0000</b>	<b>2,181.5722</b>	<b>2,181.5722</b>	<b>0.5380</b>		<b>2,192.8696</b>

### 3.2 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	0.0366	0.5650	0.4264	1.2800e-003	0.0300	9.0300e-003	0.0390	8.2000e-003	8.3000e-003	0.0165		130.6013	130.6013	1.0800e-003		130.6239
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0514	0.0688	0.7205	1.3700e-003	0.1118	1.1200e-003	0.1129	0.0296	1.0200e-003	0.0307		120.0108	120.0108	7.2600e-003		120.1631
<b>Total</b>	<b>0.0880</b>	<b>0.6337</b>	<b>1.1469</b>	<b>2.6500e-003</b>	<b>0.1417</b>	<b>0.0102</b>	<b>0.1519</b>	<b>0.0378</b>	<b>9.3200e-003</b>	<b>0.0472</b>		<b>250.6121</b>	<b>250.6121</b>	<b>8.3400e-003</b>		<b>250.7871</b>

### 3.3 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					5.4814	0.0000	5.4814	2.9194	0.0000	2.9194			0.0000			0.0000
Off-Road	2.5362	26.8886	17.0107	0.0171		1.4671	1.4671		1.3497	1.3497		1,801.7440	1,801.7440	0.5379		1,813.0398
<b>Total</b>	<b>2.5362</b>	<b>26.8886</b>	<b>17.0107</b>	<b>0.0171</b>	<b>5.4814</b>	<b>1.4671</b>	<b>6.9485</b>	<b>2.9194</b>	<b>1.3497</b>	<b>4.2690</b>		<b>1,801.7440</b>	<b>1,801.7440</b>	<b>0.5379</b>		<b>1,813.0398</b>

### 3.3 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	0.0411	0.0550	0.5764	1.1000e-003	0.0894	8.9000e-004	0.0903	0.0237	8.2000e-004	0.0245		96.0086	96.0086	5.8000e-003		96.1305
<b>Total</b>	<b>0.0411</b>	<b>0.0550</b>	<b>0.5764</b>	<b>1.1000e-003</b>	<b>0.0894</b>	<b>8.9000e-004</b>	<b>0.0903</b>	<b>0.0237</b>	<b>8.2000e-004</b>	<b>0.0245</b>		<b>96.0086</b>	<b>96.0086</b>	<b>5.8000e-003</b>		<b>96.1305</b>

#### 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					2.1378	0.0000	2.1378	1.1386	0.0000	1.1386			0.0000			0.0000
Off-Road	0.4158	8.3054	11.0902	0.0171		0.4010	0.4010		0.4010	0.4010	0.0000	1,801.7440	1,801.7440	0.5379		1,813.0398
<b>Total</b>	<b>0.4158</b>	<b>8.3054</b>	<b>11.0902</b>	<b>0.0171</b>	<b>2.1378</b>	<b>0.4010</b>	<b>2.5387</b>	<b>1.1386</b>	<b>0.4010</b>	<b>1.5395</b>	<b>0.0000</b>	<b>1,801.7440</b>	<b>1,801.7440</b>	<b>0.5379</b>		<b>1,813.0398</b>

### 3.3 Site Preparation - 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	0.0411	0.0550	0.5764	1.1000e-003	0.0894	8.9000e-004	0.0903	0.0237	8.2000e-004	0.0245		96.0086	96.0086	5.8000e-003			96.1305
<b>Total</b>	<b>0.0411</b>	<b>0.0550</b>	<b>0.5764</b>	<b>1.1000e-003</b>	<b>0.0894</b>	<b>8.9000e-004</b>	<b>0.0903</b>	<b>0.0237</b>	<b>8.2000e-004</b>	<b>0.0245</b>		<b>96.0086</b>	<b>96.0086</b>	<b>5.8000e-003</b>			<b>96.1305</b>

### 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					4.5515	0.0000	4.5515	2.4875	0.0000	2.4875			0.0000			0.0000	
Off-Road	2.3806	25.6111	16.6825	0.0181		1.3778	1.3778		1.2676	1.2676		1,898.5497	1,898.5497	0.5668			1,910.4524
<b>Total</b>	<b>2.3806</b>	<b>25.6111</b>	<b>16.6825</b>	<b>0.0181</b>	<b>4.5515</b>	<b>1.3778</b>	<b>5.9293</b>	<b>2.4875</b>	<b>1.2676</b>	<b>3.7551</b>		<b>1,898.5497</b>	<b>1,898.5497</b>	<b>0.5668</b>			<b>1,910.4524</b>



### 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	0.5716	8.8275	6.6628	0.0201	0.5348	0.1411	0.6758	0.1445	0.1298	0.2743		2,040.6455	2,040.6455	0.0168		2,040.9989
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0514	0.0688	0.7205	1.3700e-003	0.1118	1.1200e-003	0.1129	0.0296	1.0200e-003	0.0307		120.0108	120.0108	7.2600e-003		120.1631
<b>Total</b>	<b>0.6230</b>	<b>8.8963</b>	<b>7.3833</b>	<b>0.0214</b>	<b>0.6465</b>	<b>0.1422</b>	<b>0.7887</b>	<b>0.1742</b>	<b>0.1308</b>	<b>0.3049</b>		<b>2,160.6563</b>	<b>2,160.6563</b>	<b>0.0241</b>		<b>2,161.1621</b>

#### Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					1.7751	0.0000	1.7751	0.9701	0.0000	0.9701			0.0000			0.0000
Off-Road	0.4398	8.7357	12.0768	0.0181		0.4224	0.4224		0.4224	0.4224	0.0000	1,898.5497	1,898.5497	0.5668		1,910.4524
<b>Total</b>	<b>0.4398</b>	<b>8.7357</b>	<b>12.0768</b>	<b>0.0181</b>	<b>1.7751</b>	<b>0.4224</b>	<b>2.1975</b>	<b>0.9701</b>	<b>0.4224</b>	<b>1.3925</b>	<b>0.0000</b>	<b>1,898.5497</b>	<b>1,898.5497</b>	<b>0.5668</b>		<b>1,910.4524</b>

**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	0.5716	8.8275	6.6628	0.0201	0.5348	0.1411	0.6758	0.1445	0.1298	0.2743		2,040.6455	2,040.6455	0.0168		2,040.9989
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0514	0.0688	0.7205	1.3700e-003	0.1118	1.1200e-003	0.1129	0.0296	1.0200e-003	0.0307		120.0108	120.0108	7.2600e-003		120.1631
<b>Total</b>	<b>0.6230</b>	<b>8.8963</b>	<b>7.3833</b>	<b>0.0214</b>	<b>0.6465</b>	<b>0.1422</b>	<b>0.7887</b>	<b>0.1742</b>	<b>0.1308</b>	<b>0.3049</b>		<b>2,160.6563</b>	<b>2,160.6563</b>	<b>0.0241</b>		<b>2,161.1621</b>

**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					4.5515	0.0000	4.5515	2.4875	0.0000	2.4875			0.0000			0.0000
Off-Road	2.2833	24.3759	16.2545	0.0181		1.3050	1.3050		1.2006	1.2006		1,877.3476	1,877.3476	0.5663		1,889.2394
<b>Total</b>	<b>2.2833</b>	<b>24.3759</b>	<b>16.2545</b>	<b>0.0181</b>	<b>4.5515</b>	<b>1.3050</b>	<b>5.8565</b>	<b>2.4875</b>	<b>1.2006</b>	<b>3.6881</b>		<b>1,877.3476</b>	<b>1,877.3476</b>	<b>0.5663</b>		<b>1,889.2394</b>

### 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	0.5013	7.7985	6.1965	0.0200	2.3568	0.1118	2.4686	0.5918	0.1029	0.6946		2,018.0905	2,018.0905	0.0152		2,018.4086
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0463	0.0622	0.6514	1.3700e-003	0.1118	1.0600e-003	0.1128	0.0296	9.7000e-004	0.0306		116.0031	116.0031	6.6900e-003		116.1436
<b>Total</b>	<b>0.5476</b>	<b>7.8607</b>	<b>6.8479</b>	<b>0.0214</b>	<b>2.4686</b>	<b>0.1129</b>	<b>2.5815</b>	<b>0.6214</b>	<b>0.1038</b>	<b>0.7252</b>		<b>2,134.0936</b>	<b>2,134.0936</b>	<b>0.0218</b>		<b>2,134.5522</b>

#### Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					1.7751	0.0000	1.7751	0.9701	0.0000	0.9701			0.0000			0.0000
Off-Road	0.4398	8.7357	12.0768	0.0181		0.4224	0.4224		0.4224	0.4224	0.0000	1,877.3476	1,877.3476	0.5663		1,889.2394
<b>Total</b>	<b>0.4398</b>	<b>8.7357</b>	<b>12.0768</b>	<b>0.0181</b>	<b>1.7751</b>	<b>0.4224</b>	<b>2.1975</b>	<b>0.9701</b>	<b>0.4224</b>	<b>1.3925</b>	<b>0.0000</b>	<b>1,877.3476</b>	<b>1,877.3476</b>	<b>0.5663</b>		<b>1,889.2394</b>

### 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	0.5013	7.7985	6.1965	0.0200	2.3568	0.1118	2.4686	0.5918	0.1029	0.6946		2,018.0905	2,018.0905	0.0152		2,018.4086
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0463	0.0622	0.6514	1.3700e-003	0.1118	1.0600e-003	0.1128	0.0296	9.7000e-004	0.0306		116.0031	116.0031	6.6900e-003		116.1436
<b>Total</b>	<b>0.5476</b>	<b>7.8607</b>	<b>6.8479</b>	<b>0.0214</b>	<b>2.4686</b>	<b>0.1129</b>	<b>2.5815</b>	<b>0.6214</b>	<b>0.1038</b>	<b>0.7252</b>		<b>2,134.0936</b>	<b>2,134.0936</b>	<b>0.0218</b>		<b>2,134.5522</b>

### 3.5 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	3.2915	20.5459	14.7074	0.0220		1.3656	1.3656		1.3176	1.3176		2,046.9432	2,046.9432	0.4499		2,056.3913
<b>Total</b>	<b>3.2915</b>	<b>20.5459</b>	<b>14.7074</b>	<b>0.0220</b>		<b>1.3656</b>	<b>1.3656</b>		<b>1.3176</b>	<b>1.3176</b>		<b>2,046.9432</b>	<b>2,046.9432</b>	<b>0.4499</b>		<b>2,056.3913</b>

### 3.5 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	0.2231	2.1529	2.9708	5.2400e-003	0.1497	0.0332	0.1829	0.0426	0.0305	0.0731		524.1411	524.1411	3.9900e-003			524.2249
Worker	0.4402	0.5905	6.1880	0.0130	1.0619	0.0100	1.0719	0.2816	9.2300e-003	0.2908		1,102.0296	1,102.0296	0.0636			1,103.3643
<b>Total</b>	<b>0.6633</b>	<b>2.7435</b>	<b>9.1588</b>	<b>0.0183</b>	<b>1.2116</b>	<b>0.0432</b>	<b>1.2548</b>	<b>0.3242</b>	<b>0.0397</b>	<b>0.3639</b>		<b>1,626.1706</b>	<b>1,626.1706</b>	<b>0.0676</b>			<b>1,627.5892</b>

#### 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	0.6384	12.0322	13.4287	0.0220		0.7298	0.7298		0.7298	0.7298	0.0000	2,046.9432	2,046.9432	0.4499			2,056.3913
<b>Total</b>	<b>0.6384</b>	<b>12.0322</b>	<b>13.4287</b>	<b>0.0220</b>		<b>0.7298</b>	<b>0.7298</b>		<b>0.7298</b>	<b>0.7298</b>	<b>0.0000</b>	<b>2,046.9432</b>	<b>2,046.9432</b>	<b>0.4499</b>			<b>2,056.3913</b>

### 3.5 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	0.2231	2.1529	2.9708	5.2400e-003	0.1497	0.0332	0.1829	0.0426	0.0305	0.0731		524.1411	524.1411	3.9900e-003			524.2249
Worker	0.4402	0.5905	6.1880	0.0130	1.0619	0.0100	1.0719	0.2816	9.2300e-003	0.2908		1,102.0296	1,102.0296	0.0636			1,103.3643
<b>Total</b>	<b>0.6633</b>	<b>2.7435</b>	<b>9.1588</b>	<b>0.0183</b>	<b>1.2116</b>	<b>0.0432</b>	<b>1.2548</b>	<b>0.3242</b>	<b>0.0397</b>	<b>0.3639</b>		<b>1,626.1706</b>	<b>1,626.1706</b>	<b>0.0676</b>			<b>1,627.5892</b>

### 3.6 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	0.9466	9.9525	6.6754	0.0102		0.5569	0.5569		0.5132	0.5132		1,044.7593	1,044.7593	0.3076			1,051.2198
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000				0.0000
<b>Total</b>	<b>0.9466</b>	<b>9.9525</b>	<b>6.6754</b>	<b>0.0102</b>		<b>0.5569</b>	<b>0.5569</b>		<b>0.5132</b>	<b>0.5132</b>		<b>1,044.7593</b>	<b>1,044.7593</b>	<b>0.3076</b>			<b>1,051.2198</b>

### 3.6 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	0.0463	0.0622	0.6514	1.3700e-003	0.1118	1.0600e-003	0.1128	0.0296	9.7000e-004	0.0306		116.0031	116.0031	6.6900e-003			116.1436
<b>Total</b>	<b>0.0463</b>	<b>0.0622</b>	<b>0.6514</b>	<b>1.3700e-003</b>	<b>0.1118</b>	<b>1.0600e-003</b>	<b>0.1128</b>	<b>0.0296</b>	<b>9.7000e-004</b>	<b>0.0306</b>		<b>116.0031</b>	<b>116.0031</b>	<b>6.6900e-003</b>			<b>116.1436</b>

#### 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	0.2387	4.8115	7.3593	0.0102		0.2603	0.2603		0.2603	0.2603	0.0000	1,044.7593	1,044.7593	0.3076			1,051.2198
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000				0.0000
<b>Total</b>	<b>0.2387</b>	<b>4.8115</b>	<b>7.3593</b>	<b>0.0102</b>		<b>0.2603</b>	<b>0.2603</b>		<b>0.2603</b>	<b>0.2603</b>	<b>0.0000</b>	<b>1,044.7593</b>	<b>1,044.7593</b>	<b>0.3076</b>			<b>1,051.2198</b>

### 3.6 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	0.0463	0.0622	0.6514	1.3700e-003	0.1118	1.0600e-003	0.1128	0.0296	9.7000e-004	0.0306		116.0031	116.0031	6.6900e-003		116.1436
<b>Total</b>	<b>0.0463</b>	<b>0.0622</b>	<b>0.6514</b>	<b>1.3700e-003</b>	<b>0.1118</b>	<b>1.0600e-003</b>	<b>0.1128</b>	<b>0.0296</b>	<b>9.7000e-004</b>	<b>0.0306</b>		<b>116.0031</b>	<b>116.0031</b>	<b>6.6900e-003</b>		<b>116.1436</b>

### 3.7 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	62.0001					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
<b>Total</b>	<b>62.3686</b>	<b>2.3722</b>	<b>1.8839</b>	<b>2.9700e-003</b>		<b>0.1966</b>	<b>0.1966</b>		<b>0.1966</b>	<b>0.1966</b>		<b>281.4481</b>	<b>281.4481</b>	<b>0.0332</b>		<b>282.1449</b>



### 3.7 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	0.0880	0.1181	1.2376	2.6100e-003	0.2124	2.0100e-003	0.2144	0.0563	1.8500e-003	0.0582		220.4059	220.4059	0.0127			220.6729
<b>Total</b>	<b>0.0880</b>	<b>0.1181</b>	<b>1.2376</b>	<b>2.6100e-003</b>	<b>0.2124</b>	<b>2.0100e-003</b>	<b>0.2144</b>	<b>0.0563</b>	<b>1.8500e-003</b>	<b>0.0582</b>		<b>220.4059</b>	<b>220.4059</b>	<b>0.0127</b>			<b>220.6729</b>

#### 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	62.0001					0.0000	0.0000		0.0000	0.0000			0.0000				0.0000
Off-Road	0.0594	1.3570	1.8324	2.9700e-003		0.0951	0.0951		0.0951	0.0951	0.0000	281.4481	281.4481	0.0332			282.1449
<b>Total</b>	<b>62.0596</b>	<b>1.3570</b>	<b>1.8324</b>	<b>2.9700e-003</b>		<b>0.0951</b>	<b>0.0951</b>		<b>0.0951</b>	<b>0.0951</b>	<b>0.0000</b>	<b>281.4481</b>	<b>281.4481</b>	<b>0.0332</b>			<b>282.1449</b>

### 3.7 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	0.0880	0.1181	1.2376	2.6100e-003	0.2124	2.0100e-003	0.2144	0.0563	1.8500e-003	0.0582		220.4059	220.4059	0.0127			220.6729
<b>Total</b>	<b>0.0880</b>	<b>0.1181</b>	<b>1.2376</b>	<b>2.6100e-003</b>	<b>0.2124</b>	<b>2.0100e-003</b>	<b>0.2144</b>	<b>0.0563</b>	<b>1.8500e-003</b>	<b>0.0582</b>		<b>220.4059</b>	<b>220.4059</b>	<b>0.0127</b>			<b>220.6729</b>

### 3.7 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	62.0001					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
<b>Total</b>	<b>62.3324</b>	<b>2.1850</b>	<b>1.8681</b>	<b>2.9700e-003</b>		<b>0.1733</b>	<b>0.1733</b>		<b>0.1733</b>	<b>0.1733</b>		<b>281.4481</b>	<b>281.4481</b>	<b>0.0297</b>			<b>282.0721</b>

### 3.7 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	0.0789	0.1068	1.1168	2.6000e-003	0.2124	1.9200e-003	0.2143	0.0563	1.7700e-003	0.0581		212.1417	212.1417	0.0118			212.3885
<b>Total</b>	<b>0.0789</b>	<b>0.1068</b>	<b>1.1168</b>	<b>2.6000e-003</b>	<b>0.2124</b>	<b>1.9200e-003</b>	<b>0.2143</b>	<b>0.0563</b>	<b>1.7700e-003</b>	<b>0.0581</b>		<b>212.1417</b>	<b>212.1417</b>	<b>0.0118</b>			<b>212.3885</b>

#### 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	62.0001					0.0000	0.0000		0.0000	0.0000			0.0000				0.0000
Off-Road	0.0594	1.3570	1.8324	2.9700e-003		0.0951	0.0951		0.0951	0.0951	0.0000	281.4481	281.4481	0.0297			282.0721
<b>Total</b>	<b>62.0596</b>	<b>1.3570</b>	<b>1.8324</b>	<b>2.9700e-003</b>		<b>0.0951</b>	<b>0.0951</b>		<b>0.0951</b>	<b>0.0951</b>	<b>0.0000</b>	<b>281.4481</b>	<b>281.4481</b>	<b>0.0297</b>			<b>282.0721</b>

### 3.7 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	0.0789	0.1068	1.1168	2.6000e-003	0.2124	1.9200e-003	0.2143	0.0563	1.7700e-003	0.0581		212.1417	212.1417	0.0118			212.3885
<b>Total</b>	<b>0.0789</b>	<b>0.1068</b>	<b>1.1168</b>	<b>2.6000e-003</b>	<b>0.2124</b>	<b>1.9200e-003</b>	<b>0.2143</b>	<b>0.0563</b>	<b>1.7700e-003</b>	<b>0.0581</b>		<b>212.1417</b>	<b>212.1417</b>	<b>0.0118</b>			<b>212.3885</b>

### 4.0 Operational Detail - Mobile

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#### 4.1 Mitigation Measures Mobile

Increase Density

Improve Walkability Design

Improve Destination Accessibility

Increase Transit Accessibility

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	3.5533	8.4968	34.6057	0.0756	5.1297	0.1158	5.2455	1.3717	0.1066	1.4783		6,465.794 4	6,465.794 4	0.2741		6,471.549 9
Unmitigated	3.7446	9.9366	39.2159	0.0908	6.1974	0.1381	6.3354	1.6572	0.1271	1.7843		7,763.856 7	7,763.856 7	0.3248		7,770.677 5

### 4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Mid Rise	505.40	505.40	505.40	1,727,029	1,429,488
City Park	0.00	0.00	0.00		
Enclosed Parking with Elevator	0.00	0.00	0.00		
Other Asphalt Surfaces	0.00	0.00	0.00		
Regional Shopping Center	550.83	550.83	550.83	1,191,359	986,106
<b>Total</b>	<b>1,056.23</b>	<b>1,056.23</b>	<b>1,056.23</b>	<b>2,918,388</b>	<b>2,415,594</b>

### 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
Apartments Mid Rise	14.70	5.90	8.70	40.20	19.20	40.60	86	11	3
City Park	16.60	8.40	6.90	33.00	48.00	19.00	66	28	6
Enclosed Parking with Elevator	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Other Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Regional Shopping Center	16.60	8.40	6.90	16.30	64.70	19.00	54	35	11

LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
0.532559	0.058242	0.178229	0.125155	0.038934	0.006273	0.016761	0.032323	0.002478	0.003154	0.003685	0.000544	0.001663

**5.0 Energy Detail**

**4.4 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	0.0168	0.1438	0.0636	9.2000e-004		0.0116	0.0116		0.0116	0.0116		183.0950	183.0950	3.5100e-003	3.3600e-003	184.2093
NaturalGas Unmitigated	0.0168	0.1438	0.0636	9.2000e-004		0.0116	0.0116		0.0116	0.0116		183.0950	183.0950	3.5100e-003	3.3600e-003	184.2093

## 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					
City Park	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
Enclosed Parking with Elevator	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
Other 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
Regional Shopping Center	60.0822	6.5000e-004	5.8900e-003	4.9500e-003	4.0000e-005		4.5000e-004	4.5000e-004		4.5000e-004	4.5000e-004		7.0685	7.0685	1.4000e-004	1.3000e-004	7.1115
Apartments Mid Rise	1496.23	0.0161	0.1379	0.0587	8.8000e-004		0.0112	0.0112		0.0112	0.0112		176.0265	176.0265	3.3700e-003	3.2300e-003	177.0978
<b>Total</b>		<b>0.0168</b>	<b>0.1438</b>	<b>0.0636</b>	<b>9.2000e-004</b>		<b>0.0116</b>	<b>0.0116</b>		<b>0.0116</b>	<b>0.0116</b>		<b>183.0950</b>	<b>183.0950</b>	<b>3.5100e-003</b>	<b>3.3600e-003</b>	<b>184.2093</b>

### 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					
Enclosed Parking with Elevator	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
Other 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
Regional Shopping Center	0.0600822	6.5000e-004	5.8900e-003	4.9500e-003	4.0000e-005		4.5000e-004	4.5000e-004		4.5000e-004	4.5000e-004		7.0685	7.0685	1.4000e-004	1.3000e-004	7.1115
Apartments Mid Rise	1.49623	0.0161	0.1379	0.0587	8.8000e-004		0.0112	0.0112		0.0112	0.0112		176.0265	176.0265	3.3700e-003	3.2300e-003	177.0978
City Park	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
<b>Total</b>		<b>0.0168</b>	<b>0.1438</b>	<b>0.0636</b>	<b>9.2000e-004</b>		<b>0.0116</b>	<b>0.0116</b>		<b>0.0116</b>	<b>0.0116</b>		<b>183.0950</b>	<b>183.0950</b>	<b>3.5100e-003</b>	<b>3.3600e-003</b>	<b>184.2093</b>

### 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
- No Hearths Installed
- Use Low VOC Cleaning Supplies



	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	6.8313	0.0741	6.3636	3.3000e-004		0.0345	0.0345		0.0345	0.0345	0.0000	11.3538	11.3538	0.0115	0.0000	11.5955
Unmitigated	6.8313	0.0741	6.3636	3.3000e-004		0.0345	0.0345		0.0345	0.0345	0.0000	11.3538	11.3538	0.0115	0.0000	11.5955

## 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	1.0192					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	5.6120					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	0.2001	0.0741	6.3636	3.3000e-004		0.0345	0.0345		0.0345	0.0345		11.3538	11.3538	0.0115		11.5955
<b>Total</b>	<b>6.8313</b>	<b>0.0741</b>	<b>6.3636</b>	<b>3.3000e-004</b>		<b>0.0345</b>	<b>0.0345</b>		<b>0.0345</b>	<b>0.0345</b>	<b>0.0000</b>	<b>11.3538</b>	<b>11.3538</b>	<b>0.0115</b>	<b>0.0000</b>	<b>11.5955</b>

## 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	1.0192					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	5.6120					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	0.2001	0.0741	6.3636	3.3000e-004		0.0345	0.0345		0.0345	0.0345		11.3538	11.3538	0.0115		11.5955
<b>Total</b>	<b>6.8313</b>	<b>0.0741</b>	<b>6.3636</b>	<b>3.3000e-004</b>		<b>0.0345</b>	<b>0.0345</b>		<b>0.0345</b>	<b>0.0345</b>	<b>0.0000</b>	<b>11.3538</b>	<b>11.3538</b>	<b>0.0115</b>	<b>0.0000</b>	<b>11.5955</b>

## 7.0 Water Detail

### 7.1 Mitigation Measures Water

Apply Water Conservation Strategy

Install Low Flow Bathroom Faucet

Install Low Flow Kitchen Faucet

Install Low Flow Toilet

Install Low Flow Shower

## 8.0 Waste Detail

### 8.1 Mitigation Measures Waste

Institute Recycling and Composting Services

### 9.0 Operational Offroad

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

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**Glenoaks IS**  
**Los Angeles-South Coast County, Summer**

**1.0 Project Characteristics**

**1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Apartments Mid Rise	76.00	Dwelling Unit	1.20	185,531.00	198
Other Asphalt Surfaces	79.60	1000sqft	0.00	79,600.00	0
Regional Shopping Center	12.90	1000sqft	0.00	12,900.00	0
City Park	0.12	Acre	0.00	5,401.44	0
Enclosed Parking with Elevator	199.00	Space	0.00	0.00	0

**1.2 Other Project Characteristics**

<b>Urbanization</b>	Urban	<b>Wind Speed (m/s)</b>	2.2	<b>Precipitation Freq (Days)</b>	33
<b>Climate Zone</b>	12			<b>Operational Year</b>	2017
<b>Utility Company</b>	Glendale Water & Power				
<b>CO2 Intensity (lb/MWhr)</b>	1115.33	<b>CH4 Intensity (lb/MWhr)</b>	0.029	<b>N2O Intensity (lb/MWhr)</b>	0.006

**1.3 User Entered Comments & Non-Default Data**



tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	5.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstructionPhase	NumDays	10.00	60.00
tblConstructionPhase	NumDays	200.00	230.00
tblConstructionPhase	NumDays	20.00	25.00
tblConstructionPhase	NumDays	4.00	120.00
tblConstructionPhase	NumDays	2.00	6.00
tblFireplaces	FireplaceDayYear	25.00	0.00

tblFireplaces	FireplaceHourDay	3.00	0.00
tblFireplaces	FireplaceWoodMass	1,019.20	0.00
tblFireplaces	NumberGas	64.60	0.00
tblFireplaces	NumberNoFireplace	7.60	0.00
tblFireplaces	NumberWood	3.80	0.00
tblGrading	AcresOfGrading	45.00	1.20
tblGrading	AcresOfGrading	3.00	1.20
tblGrading	MaterialExported	0.00	25,800.00
tblLandUse	LandUseSquareFeet	76,000.00	185,531.00
tblLandUse	LandUseSquareFeet	79,600.00	0.00
tblLandUse	LotAcreage	2.00	1.20
tblLandUse	LotAcreage	1.83	0.00
tblLandUse	LotAcreage	0.30	0.00
tblLandUse	LotAcreage	0.12	0.00
tblLandUse	LotAcreage	1.79	0.00
tblLandUse	Population	217.00	198.00
tblOffRoadEquipment	LoadFactor	0.38	0.38
tblOffRoadEquipment	OffRoadEquipmentType		Excavators
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblProjectCharacteristics	OperationalYear	2014	2017
tblSolidWaste	SolidWasteGenerationRate	34.96	47.42
tblSolidWaste	SolidWasteGenerationRate	0.01	0.00
tblSolidWaste	SolidWasteGenerationRate	13.55	10.06
tblVehicleTrips	ST_TR	7.16	6.65
tblVehicleTrips	ST_TR	1.59	0.00
tblVehicleTrips	ST_TR	49.97	42.70

tblVehicleTrips	SU_TR	6.07	6.65
tblVehicleTrips	SU_TR	1.59	0.00
tblVehicleTrips	SU_TR	25.24	42.70
tblVehicleTrips	WD_TR	6.59	6.65
tblVehicleTrips	WD_TR	1.59	0.00
tblVehicleTrips	WD_TR	42.94	42.70
tblWater	IndoorWaterUseRate	4,951,705.95	4,964,000.00
tblWater	IndoorWaterUseRate	955,535.53	470,850.00
tblWater	OutdoorWaterUseRate	3,121,727.66	0.00
tblWater	OutdoorWaterUseRate	142,977.76	0.00
tblWater	OutdoorWaterUseRate	585,650.81	0.00
tblWoodstoves	NumberCatalytic	3.80	0.00
tblWoodstoves	NumberNoncatalytic	3.80	0.00
tblWoodstoves	WoodstoveDayYear	25.00	0.00
tblWoodstoves	WoodstoveWoodMass	999.60	0.00

## 2.0 Emissions Summary

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## 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	2.9678	34.2004	23.2603	0.0396	5.5709	1.6066	7.0388	2.9431	1.5091	4.2936	0.0000	4,071.1257	4,071.1257	0.5907	0.0000	4,083.5300
2016	62.4532	31.9655	23.7375	0.0410	7.0201	1.4176	8.4377	3.1089	1.3570	4.4131	0.0000	4,023.0891	4,023.0891	0.5879	0.0000	4,035.4355
2017	62.4085	2.2814	3.0623	5.7300e-003	0.2124	0.1753	0.3876	0.0563	0.1751	0.2314	0.0000	506.2233	506.2233	0.0415	0.0000	507.0940
<b>Total</b>	<b>127.8294</b>	<b>68.4473</b>	<b>50.0601</b>	<b>0.0864</b>	<b>12.8033</b>	<b>3.1995</b>	<b>15.8641</b>	<b>6.1083</b>	<b>3.0412</b>	<b>8.9381</b>	<b>0.0000</b>	<b>8,600.4380</b>	<b>8,600.4380</b>	<b>1.2201</b>	<b>0.0000</b>	<b>8,626.0595</b>

### 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	1.0270	17.3250	18.6546	0.0396	2.4216	0.6117	2.9857	1.1623	0.6109	1.6970	0.0000	4,071.1257	4,071.1257	0.5907	0.0000	4,083.5300
2016	62.1442	16.3254	22.4588	0.0410	4.2437	0.7727	4.7787	1.5915	0.7692	2.1175	0.0000	4,023.0891	4,023.0891	0.5879	0.0000	4,035.4355
2017	62.1356	1.4533	3.0266	5.7300e-003	0.2124	0.0970	0.3094	0.0563	0.0969	0.1532	0.0000	506.2233	506.2233	0.0415	0.0000	507.0940
<b>Total</b>	<b>125.3068</b>	<b>35.1037</b>	<b>44.1401</b>	<b>0.0864</b>	<b>6.8777</b>	<b>1.4814</b>	<b>8.0738</b>	<b>2.8101</b>	<b>1.4770</b>	<b>3.9677</b>	<b>0.0000</b>	<b>8,600.4380</b>	<b>8,600.4380</b>	<b>1.2201</b>	<b>0.0000</b>	<b>8,626.0595</b>

	ROG	NOx	CO	SO2	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	1.97	48.71	11.83	0.00	46.28	53.70	49.11	54.00	51.43	55.61	0.00	0.00	0.00	0.00	0.00	0.00

**2.2 Overall Operational****Unmitigated Operational**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	6.8313	0.0741	6.3636	3.3000e-004		0.0345	0.0345		0.0345	0.0345	0.0000	11.3538	11.3538	0.0115	0.0000	11.5955
Energy	0.0168	0.1438	0.0636	9.2000e-004		0.0116	0.0116		0.0116	0.0116		183.0950	183.0950	3.5100e-003	3.3600e-003	184.2093
Mobile	3.5577	9.4379	38.7819	0.0951	6.1974	0.1374	6.3348	1.6572	0.1265	1.7837		8,117.1012	8,117.1012	0.3245		8,123.9156
<b>Total</b>	<b>10.4058</b>	<b>9.6558</b>	<b>45.2091</b>	<b>0.0963</b>	<b>6.1974</b>	<b>0.1835</b>	<b>6.3809</b>	<b>1.6572</b>	<b>0.1726</b>	<b>1.8298</b>	<b>0.0000</b>	<b>8,311.5500</b>	<b>8,311.5500</b>	<b>0.3395</b>	<b>3.3600e-003</b>	<b>8,319.7204</b>

**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	6.8313	0.0741	6.3636	3.3000e-004		0.0345	0.0345		0.0345	0.0345	0.0000	11.3538	11.3538	0.0115	0.0000	11.5955
Energy	0.0168	0.1438	0.0636	9.2000e-004		0.0116	0.0116		0.0116	0.0116		183.0950	183.0950	3.5100e-003	3.3600e-003	184.2093
Mobile	3.3612	8.0811	33.7406	0.0792	5.1297	0.1152	5.2449	1.3717	0.1060	1.4777		6,759.8695	6,759.8695	0.2738		6,765.6187
<b>Total</b>	<b>10.2092</b>	<b>8.2990</b>	<b>40.1678</b>	<b>0.0804</b>	<b>5.1297</b>	<b>0.1613</b>	<b>5.2910</b>	<b>1.3717</b>	<b>0.1521</b>	<b>1.5238</b>	<b>0.0000</b>	<b>6,954.3183</b>	<b>6,954.3183</b>	<b>0.2888</b>	<b>3.3600e-003</b>	<b>6,961.4235</b>

	ROG	NOx	CO	SO2	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	1.89	14.05	11.15	16.50	17.23	12.11	17.08	17.23	11.86	16.72	0.00	16.33	16.33	14.94	0.00	16.33

### 3.0 Construction Detail

#### Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	7/1/2015	8/4/2015	5	25	
2	Site Preparation	Site Preparation	8/5/2015	8/12/2015	5	6	
3	Grading	Grading	8/13/2015	1/27/2016	5	120	
4	Building Construction	Building Construction	1/28/2016	12/14/2016	5	230	
5	Paving	Paving	12/15/2016	12/28/2016	5	10	
6	Architectural Coating	Architectural Coating	12/29/2016	3/22/2017	5	60	

Acres of Grading (Site Preparation Phase): 1.2

Acres of Grading (Grading Phase): 1.2

Acres of Paving: 0

Residential Indoor: 375,700; Residential Outdoor: 125,233; Non-Residential Indoor: 146,852; Non-Residential Outdoor: 48,951 (Architectural Coating – sqft)

#### OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Architectural Coating	Air Compressors	1	6.00	78	0.48
Paving	Cement and Mortar Mixers	1	6.00	9	0.56
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Cranes	1	6.00	226	0.29
Building Construction	Forklifts	1	6.00	89	0.20
Site Preparation	Graders	1	8.00	174	0.41
Paving	Pavers	1	6.00	125	0.42
Paving	Rollers	1	7.00	80	0.38
Demolition	Rubber Tired Dozers	1	8.00	255	0.40
Grading	Rubber Tired Dozers	1	6.00	255	0.40
Building Construction	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Demolition	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Grading	Tractors/Loaders/Backhoes	1	7.00	97	0.37
Paving	Tractors/Loaders/Backhoes	0	0.00	97	0.37
Site Preparation	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Grading	Graders	1	6.00	174	0.41
Paving	Paving Equipment	1	8.00	130	0.36
Site Preparation	Rubber Tired Dozers	1	7.00	255	0.40
Building Construction	Welders	3	8.00	46	0.45
Grading	Excavators	1	6.00	162	0.38

**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
Demolition	4	10.00	0.00	43.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	3	8.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	4	10.00	0.00	3,225.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	7	95.00	24.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	4	10.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	19.00	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

Reduce Vehicle Speed on Unpaved Roads

Clean Paved Roads

### 3.2 Demolition - 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					0.3682	0.0000	0.3682	0.0557	0.0000	0.0557			0.0000			0.0000
Off-Road	2.7062	26.2456	19.6310	0.0214		1.5965	1.5965		1.4998	1.4998		2,181.572 2	2,181.572 2	0.5380		2,192.869 6
<b>Total</b>	<b>2.7062</b>	<b>26.2456</b>	<b>19.6310</b>	<b>0.0214</b>	<b>0.3682</b>	<b>1.5965</b>	<b>1.9646</b>	<b>0.0557</b>	<b>1.4998</b>	<b>1.5555</b>		<b>2,181.572 2</b>	<b>2,181.572 2</b>	<b>0.5380</b>		<b>2,192.869 6</b>

### 3.2 Demolition - 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	0.0344	0.5457	0.3720	1.2900e-003	0.0300	9.0000e-003	0.0389	8.2000e-003	8.2800e-003	0.0165		130.9078	130.9078	1.0600e-003		130.9301
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0493	0.0620	0.7646	1.4500e-003	0.1118	1.1200e-003	0.1129	0.0296	1.0200e-003	0.0307		127.1422	127.1422	7.2600e-003		127.2945
<b>Total</b>	<b>0.0837</b>	<b>0.6077</b>	<b>1.1367</b>	<b>2.7400e-003</b>	<b>0.1417</b>	<b>0.0101</b>	<b>0.1518</b>	<b>0.0378</b>	<b>9.3000e-003</b>	<b>0.0471</b>		<b>258.0499</b>	<b>258.0499</b>	<b>8.3200e-003</b>		<b>258.2246</b>

#### Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.1436	0.0000	0.1436	0.0217	0.0000	0.0217			0.0000			0.0000
Off-Road	0.4929	10.4999	13.2201	0.0214		0.6016	0.6016		0.6016	0.6016	0.0000	2,181.5722	2,181.5722	0.5380		2,192.8696
<b>Total</b>	<b>0.4929</b>	<b>10.4999</b>	<b>13.2201</b>	<b>0.0214</b>	<b>0.1436</b>	<b>0.6016</b>	<b>0.7452</b>	<b>0.0217</b>	<b>0.6016</b>	<b>0.6234</b>	<b>0.0000</b>	<b>2,181.5722</b>	<b>2,181.5722</b>	<b>0.5380</b>		<b>2,192.8696</b>

### 3.2 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	0.0344	0.5457	0.3720	1.2900e-003	0.0300	9.0000e-003	0.0389	8.2000e-003	8.2800e-003	0.0165		130.9078	130.9078	1.0600e-003		130.9301
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0493	0.0620	0.7646	1.4500e-003	0.1118	1.1200e-003	0.1129	0.0296	1.0200e-003	0.0307		127.1422	127.1422	7.2600e-003		127.2945
<b>Total</b>	<b>0.0837</b>	<b>0.6077</b>	<b>1.1367</b>	<b>2.7400e-003</b>	<b>0.1417</b>	<b>0.0101</b>	<b>0.1518</b>	<b>0.0378</b>	<b>9.3000e-003</b>	<b>0.0471</b>		<b>258.0499</b>	<b>258.0499</b>	<b>8.3200e-003</b>		<b>258.2246</b>

### 3.3 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					5.4814	0.0000	5.4814	2.9194	0.0000	2.9194			0.0000			0.0000
Off-Road	2.5362	26.8886	17.0107	0.0171		1.4671	1.4671		1.3497	1.3497		1,801.7440	1,801.7440	0.5379		1,813.0398
<b>Total</b>	<b>2.5362</b>	<b>26.8886</b>	<b>17.0107</b>	<b>0.0171</b>	<b>5.4814</b>	<b>1.4671</b>	<b>6.9485</b>	<b>2.9194</b>	<b>1.3497</b>	<b>4.2690</b>		<b>1,801.7440</b>	<b>1,801.7440</b>	<b>0.5379</b>		<b>1,813.0398</b>



### 3.3 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	0.0395	0.0496	0.6117	1.1600e-003	0.0894	8.9000e-004	0.0903	0.0237	8.2000e-004	0.0245		101.7137	101.7137	5.8000e-003			101.8356
<b>Total</b>	<b>0.0395</b>	<b>0.0496</b>	<b>0.6117</b>	<b>1.1600e-003</b>	<b>0.0894</b>	<b>8.9000e-004</b>	<b>0.0903</b>	<b>0.0237</b>	<b>8.2000e-004</b>	<b>0.0245</b>		<b>101.7137</b>	<b>101.7137</b>	<b>5.8000e-003</b>			<b>101.8356</b>

#### 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					2.1378	0.0000	2.1378	1.1386	0.0000	1.1386			0.0000				0.0000
Off-Road	0.4158	8.3054	11.0902	0.0171		0.4010	0.4010		0.4010	0.4010	0.0000	1,801.7440	1,801.7440	0.5379			1,813.0398
<b>Total</b>	<b>0.4158</b>	<b>8.3054</b>	<b>11.0902</b>	<b>0.0171</b>	<b>2.1378</b>	<b>0.4010</b>	<b>2.5387</b>	<b>1.1386</b>	<b>0.4010</b>	<b>1.5395</b>	<b>0.0000</b>	<b>1,801.7440</b>	<b>1,801.7440</b>	<b>0.5379</b>			<b>1,813.0398</b>

### 3.3 Site Preparation - 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	0.0395	0.0496	0.6117	1.1600e-003	0.0894	8.9000e-004	0.0903	0.0237	8.2000e-004	0.0245		101.7137	101.7137	5.8000e-003			101.8356
<b>Total</b>	<b>0.0395</b>	<b>0.0496</b>	<b>0.6117</b>	<b>1.1600e-003</b>	<b>0.0894</b>	<b>8.9000e-004</b>	<b>0.0903</b>	<b>0.0237</b>	<b>8.2000e-004</b>	<b>0.0245</b>		<b>101.7137</b>	<b>101.7137</b>	<b>5.8000e-003</b>			<b>101.8356</b>

### 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					4.5515	0.0000	4.5515	2.4875	0.0000	2.4875			0.0000				0.0000
Off-Road	2.3806	25.6111	16.6825	0.0181		1.3778	1.3778		1.2676	1.2676		1,898.5497	1,898.5497	0.5668			1,910.4524
<b>Total</b>	<b>2.3806</b>	<b>25.6111</b>	<b>16.6825</b>	<b>0.0181</b>	<b>4.5515</b>	<b>1.3778</b>	<b>5.9293</b>	<b>2.4875</b>	<b>1.2676</b>	<b>3.7551</b>		<b>1,898.5497</b>	<b>1,898.5497</b>	<b>0.5668</b>			<b>1,910.4524</b>

### 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	0.5379	8.5273	5.8132	0.0201	0.5348	0.1406	0.6753	0.1445	0.1293	0.2738		2,045.4339	2,045.4339	0.0166		2,045.7831
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0493	0.0620	0.7646	1.4500e-003	0.1118	1.1200e-003	0.1129	0.0296	1.0200e-003	0.0307		127.1422	127.1422	7.2600e-003		127.2945
<b>Total</b>	<b>0.5872</b>	<b>8.5893</b>	<b>6.5778</b>	<b>0.0215</b>	<b>0.6465</b>	<b>0.1417</b>	<b>0.7882</b>	<b>0.1742</b>	<b>0.1303</b>	<b>0.3045</b>		<b>2,172.5760</b>	<b>2,172.5760</b>	<b>0.0239</b>		<b>2,173.0776</b>

#### Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					1.7751	0.0000	1.7751	0.9701	0.0000	0.9701			0.0000			0.0000
Off-Road	0.4398	8.7357	12.0768	0.0181		0.4224	0.4224		0.4224	0.4224	0.0000	1,898.5497	1,898.5497	0.5668		1,910.4524
<b>Total</b>	<b>0.4398</b>	<b>8.7357</b>	<b>12.0768</b>	<b>0.0181</b>	<b>1.7751</b>	<b>0.4224</b>	<b>2.1975</b>	<b>0.9701</b>	<b>0.4224</b>	<b>1.3925</b>	<b>0.0000</b>	<b>1,898.5497</b>	<b>1,898.5497</b>	<b>0.5668</b>		<b>1,910.4524</b>

### 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	0.5379	8.5273	5.8132	0.0201	0.5348	0.1406	0.6753	0.1445	0.1293	0.2738		2,045.4339	2,045.4339	0.0166		2,045.7831
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0493	0.0620	0.7646	1.4500e-003	0.1118	1.1200e-003	0.1129	0.0296	1.0200e-003	0.0307		127.1422	127.1422	7.2600e-003		127.2945
<b>Total</b>	<b>0.5872</b>	<b>8.5893</b>	<b>6.5778</b>	<b>0.0215</b>	<b>0.6465</b>	<b>0.1417</b>	<b>0.7882</b>	<b>0.1742</b>	<b>0.1303</b>	<b>0.3045</b>		<b>2,172.5760</b>	<b>2,172.5760</b>	<b>0.0239</b>		<b>2,173.0776</b>

### 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					4.5515	0.0000	4.5515	2.4875	0.0000	2.4875			0.0000			0.0000
Off-Road	2.2833	24.3759	16.2545	0.0181		1.3050	1.3050		1.2006	1.2006		1,877.3476	1,877.3476	0.5663		1,889.2394
<b>Total</b>	<b>2.2833</b>	<b>24.3759</b>	<b>16.2545</b>	<b>0.0181</b>	<b>4.5515</b>	<b>1.3050</b>	<b>5.8565</b>	<b>2.4875</b>	<b>1.2006</b>	<b>3.6881</b>		<b>1,877.3476</b>	<b>1,877.3476</b>	<b>0.5663</b>		<b>1,889.2394</b>

**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	0.4734	7.5336	5.3462	0.0201	2.3568	0.1115	2.4683	0.5918	0.1026	0.6944		2,022.8394	2,022.8394	0.0150		2,023.1535
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0445	0.0561	0.6937	1.4500e-003	0.1118	1.0600e-003	0.1128	0.0296	9.7000e-004	0.0306		122.9021	122.9021	6.6900e-003		123.0426
<b>Total</b>	<b>0.5179</b>	<b>7.5897</b>	<b>6.0399</b>	<b>0.0215</b>	<b>2.4686</b>	<b>0.1126</b>	<b>2.5812</b>	<b>0.6214</b>	<b>0.1036</b>	<b>0.7250</b>		<b>2,145.7415</b>	<b>2,145.7415</b>	<b>0.0217</b>		<b>2,146.1961</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					1.7751	0.0000	1.7751	0.9701	0.0000	0.9701			0.0000			0.0000
Off-Road	0.4398	8.7357	12.0768	0.0181		0.4224	0.4224		0.4224	0.4224	0.0000	1,877.3476	1,877.3476	0.5663		1,889.2394
<b>Total</b>	<b>0.4398</b>	<b>8.7357</b>	<b>12.0768</b>	<b>0.0181</b>	<b>1.7751</b>	<b>0.4224</b>	<b>2.1975</b>	<b>0.9701</b>	<b>0.4224</b>	<b>1.3925</b>	<b>0.0000</b>	<b>1,877.3476</b>	<b>1,877.3476</b>	<b>0.5663</b>		<b>1,889.2394</b>

### 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	0.4734	7.5336	5.3462	0.0201	2.3568	0.1115	2.4683	0.5918	0.1026	0.6944		2,022.8394	2,022.8394	0.0150		2,023.1535
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0445	0.0561	0.6937	1.4500e-003	0.1118	1.0600e-003	0.1128	0.0296	9.7000e-004	0.0306		122.9021	122.9021	6.6900e-003		123.0426
<b>Total</b>	<b>0.5179</b>	<b>7.5897</b>	<b>6.0399</b>	<b>0.0215</b>	<b>2.4686</b>	<b>0.1126</b>	<b>2.5812</b>	<b>0.6214</b>	<b>0.1036</b>	<b>0.7250</b>		<b>2,145.7415</b>	<b>2,145.7415</b>	<b>0.0217</b>		<b>2,146.1961</b>

### 3.5 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	3.2915	20.5459	14.7074	0.0220		1.3656	1.3656		1.3176	1.3176		2,046.9432	2,046.9432	0.4499		2,056.3913
<b>Total</b>	<b>3.2915</b>	<b>20.5459</b>	<b>14.7074</b>	<b>0.0220</b>		<b>1.3656</b>	<b>1.3656</b>		<b>1.3176</b>	<b>1.3176</b>		<b>2,046.9432</b>	<b>2,046.9432</b>	<b>0.4499</b>		<b>2,056.3913</b>

### 3.5 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	0.2022	2.1002	2.4400	5.2700e-003	0.1497	0.0328	0.1825	0.0426	0.0302	0.0728		528.5295	528.5295	3.8800e-003			528.6110
Worker	0.4231	0.5325	6.5901	0.0138	1.0619	0.0100	1.0719	0.2816	9.2300e-003	0.2908		1,167.5702	1,167.5702	0.0636			1,168.9050
<b>Total</b>	<b>0.6253</b>	<b>2.6327</b>	<b>9.0301</b>	<b>0.0191</b>	<b>1.2116</b>	<b>0.0429</b>	<b>1.2544</b>	<b>0.3242</b>	<b>0.0394</b>	<b>0.3636</b>		<b>1,696.0997</b>	<b>1,696.0997</b>	<b>0.0674</b>			<b>1,697.5159</b>

#### 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	0.6384	12.0322	13.4287	0.0220		0.7298	0.7298		0.7298	0.7298	0.0000	2,046.9432	2,046.9432	0.4499			2,056.3913
<b>Total</b>	<b>0.6384</b>	<b>12.0322</b>	<b>13.4287</b>	<b>0.0220</b>		<b>0.7298</b>	<b>0.7298</b>		<b>0.7298</b>	<b>0.7298</b>	<b>0.0000</b>	<b>2,046.9432</b>	<b>2,046.9432</b>	<b>0.4499</b>			<b>2,056.3913</b>

### 3.5 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	0.2022	2.1002	2.4400	5.2700e-003	0.1497	0.0328	0.1825	0.0426	0.0302	0.0728		528.5295	528.5295	3.8800e-003			528.6110
Worker	0.4231	0.5325	6.5901	0.0138	1.0619	0.0100	1.0719	0.2816	9.2300e-003	0.2908		1,167.5702	1,167.5702	0.0636			1,168.9050
<b>Total</b>	<b>0.6253</b>	<b>2.6327</b>	<b>9.0301</b>	<b>0.0191</b>	<b>1.2116</b>	<b>0.0429</b>	<b>1.2544</b>	<b>0.3242</b>	<b>0.0394</b>	<b>0.3636</b>		<b>1,696.0997</b>	<b>1,696.0997</b>	<b>0.0674</b>			<b>1,697.5159</b>

### 3.6 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	0.9466	9.9525	6.6754	0.0102		0.5569	0.5569		0.5132	0.5132		1,044.7593	1,044.7593	0.3076			1,051.2198
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000				0.0000
<b>Total</b>	<b>0.9466</b>	<b>9.9525</b>	<b>6.6754</b>	<b>0.0102</b>		<b>0.5569</b>	<b>0.5569</b>		<b>0.5132</b>	<b>0.5132</b>		<b>1,044.7593</b>	<b>1,044.7593</b>	<b>0.3076</b>			<b>1,051.2198</b>



### 3.6 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	0.0445	0.0561	0.6937	1.4500e-003	0.1118	1.0600e-003	0.1128	0.0296	9.7000e-004	0.0306		122.9021	122.9021	6.6900e-003			123.0426
<b>Total</b>	<b>0.0445</b>	<b>0.0561</b>	<b>0.6937</b>	<b>1.4500e-003</b>	<b>0.1118</b>	<b>1.0600e-003</b>	<b>0.1128</b>	<b>0.0296</b>	<b>9.7000e-004</b>	<b>0.0306</b>		<b>122.9021</b>	<b>122.9021</b>	<b>6.6900e-003</b>			<b>123.0426</b>

#### 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	0.2387	4.8115	7.3593	0.0102		0.2603	0.2603		0.2603	0.2603	0.0000	1,044.7593	1,044.7593	0.3076			1,051.2198
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000				0.0000
<b>Total</b>	<b>0.2387</b>	<b>4.8115</b>	<b>7.3593</b>	<b>0.0102</b>		<b>0.2603</b>	<b>0.2603</b>		<b>0.2603</b>	<b>0.2603</b>	<b>0.0000</b>	<b>1,044.7593</b>	<b>1,044.7593</b>	<b>0.3076</b>			<b>1,051.2198</b>

**3.6 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	0.0445	0.0561	0.6937	1.4500e-003	0.1118	1.0600e-003	0.1128	0.0296	9.7000e-004	0.0306		122.9021	122.9021	6.6900e-003		123.0426
<b>Total</b>	<b>0.0445</b>	<b>0.0561</b>	<b>0.6937</b>	<b>1.4500e-003</b>	<b>0.1118</b>	<b>1.0600e-003</b>	<b>0.1128</b>	<b>0.0296</b>	<b>9.7000e-004</b>	<b>0.0306</b>		<b>122.9021</b>	<b>122.9021</b>	<b>6.6900e-003</b>		<b>123.0426</b>

**3.7 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	62.0001					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
<b>Total</b>	<b>62.3686</b>	<b>2.3722</b>	<b>1.8839</b>	<b>2.9700e-003</b>		<b>0.1966</b>	<b>0.1966</b>		<b>0.1966</b>	<b>0.1966</b>		<b>281.4481</b>	<b>281.4481</b>	<b>0.0332</b>		<b>282.1449</b>

### 3.7 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	0.0846	0.1065	1.3180	2.7600e-003	0.2124	2.0100e-003	0.2144	0.0563	1.8500e-003	0.0582		233.5140	233.5140	0.0127			233.7810
<b>Total</b>	<b>0.0846</b>	<b>0.1065</b>	<b>1.3180</b>	<b>2.7600e-003</b>	<b>0.2124</b>	<b>2.0100e-003</b>	<b>0.2144</b>	<b>0.0563</b>	<b>1.8500e-003</b>	<b>0.0582</b>		<b>233.5140</b>	<b>233.5140</b>	<b>0.0127</b>			<b>233.7810</b>

#### 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	62.0001					0.0000	0.0000		0.0000	0.0000			0.0000				0.0000
Off-Road	0.0594	1.3570	1.8324	2.9700e-003		0.0951	0.0951		0.0951	0.0951	0.0000	281.4481	281.4481	0.0332			282.1449
<b>Total</b>	<b>62.0596</b>	<b>1.3570</b>	<b>1.8324</b>	<b>2.9700e-003</b>		<b>0.0951</b>	<b>0.0951</b>		<b>0.0951</b>	<b>0.0951</b>	<b>0.0000</b>	<b>281.4481</b>	<b>281.4481</b>	<b>0.0332</b>			<b>282.1449</b>

### 3.7 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	0.0846	0.1065	1.3180	2.7600e-003	0.2124	2.0100e-003	0.2144	0.0563	1.8500e-003	0.0582		233.5140	233.5140	0.0127			233.7810
<b>Total</b>	<b>0.0846</b>	<b>0.1065</b>	<b>1.3180</b>	<b>2.7600e-003</b>	<b>0.2124</b>	<b>2.0100e-003</b>	<b>0.2144</b>	<b>0.0563</b>	<b>1.8500e-003</b>	<b>0.0582</b>		<b>233.5140</b>	<b>233.5140</b>	<b>0.0127</b>			<b>233.7810</b>

### 3.7 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	62.0001					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
<b>Total</b>	<b>62.3324</b>	<b>2.1850</b>	<b>1.8681</b>	<b>2.9700e-003</b>		<b>0.1733</b>	<b>0.1733</b>		<b>0.1733</b>	<b>0.1733</b>		<b>281.4481</b>	<b>281.4481</b>	<b>0.0297</b>			<b>282.0721</b>

### 3.7 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	0.0761	0.0963	1.1942	2.7600e-003	0.2124	1.9200e-003	0.2143	0.0563	1.7700e-003	0.0581		224.7752	224.7752	0.0118			225.0220
<b>Total</b>	<b>0.0761</b>	<b>0.0963</b>	<b>1.1942</b>	<b>2.7600e-003</b>	<b>0.2124</b>	<b>1.9200e-003</b>	<b>0.2143</b>	<b>0.0563</b>	<b>1.7700e-003</b>	<b>0.0581</b>		<b>224.7752</b>	<b>224.7752</b>	<b>0.0118</b>			<b>225.0220</b>

#### 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	62.0001					0.0000	0.0000		0.0000	0.0000			0.0000				0.0000
Off-Road	0.0594	1.3570	1.8324	2.9700e-003		0.0951	0.0951		0.0951	0.0951	0.0000	281.4481	281.4481	0.0297			282.0721
<b>Total</b>	<b>62.0596</b>	<b>1.3570</b>	<b>1.8324</b>	<b>2.9700e-003</b>		<b>0.0951</b>	<b>0.0951</b>		<b>0.0951</b>	<b>0.0951</b>	<b>0.0000</b>	<b>281.4481</b>	<b>281.4481</b>	<b>0.0297</b>			<b>282.0721</b>

### 3.7 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	0.0761	0.0963	1.1942	2.7600e-003	0.2124	1.9200e-003	0.2143	0.0563	1.7700e-003	0.0581		224.7752	224.7752	0.0118			225.0220
<b>Total</b>	<b>0.0761</b>	<b>0.0963</b>	<b>1.1942</b>	<b>2.7600e-003</b>	<b>0.2124</b>	<b>1.9200e-003</b>	<b>0.2143</b>	<b>0.0563</b>	<b>1.7700e-003</b>	<b>0.0581</b>		<b>224.7752</b>	<b>224.7752</b>	<b>0.0118</b>			<b>225.0220</b>

### 4.0 Operational Detail - Mobile

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#### 4.1 Mitigation Measures Mobile

Increase Density

Improve Walkability Design

Improve Destination Accessibility

Increase Transit Accessibility

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	3.3612	8.0811	33.7406	0.0792	5.1297	0.1152	5.2449	1.3717	0.1060	1.4777		6,759.8695	6,759.8695	0.2738		6,765.6187
Unmitigated	3.5577	9.4379	38.7819	0.0951	6.1974	0.1374	6.3348	1.6572	0.1265	1.7837		8,117.1012	8,117.1012	0.3245		8,123.9156

### 4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Mid Rise	505.40	505.40	505.40	1,727,029	1,429,488
City Park	0.00	0.00	0.00		
Enclosed Parking with Elevator	0.00	0.00	0.00		
Other Asphalt Surfaces	0.00	0.00	0.00		
Regional Shopping Center	550.83	550.83	550.83	1,191,359	986,106
<b>Total</b>	<b>1,056.23</b>	<b>1,056.23</b>	<b>1,056.23</b>	<b>2,918,388</b>	<b>2,415,594</b>

### 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
Apartments Mid Rise	14.70	5.90	8.70	40.20	19.20	40.60	86	11	3
City Park	16.60	8.40	6.90	33.00	48.00	19.00	66	28	6
Enclosed Parking with Elevator	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Other Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Regional Shopping Center	16.60	8.40	6.90	16.30	64.70	19.00	54	35	11

LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
0.532559	0.058242	0.178229	0.125155	0.038934	0.006273	0.016761	0.032323	0.002478	0.003154	0.003685	0.000544	0.001663

**5.0 Energy Detail**

**4.4 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	0.0168	0.1438	0.0636	9.2000e-004		0.0116	0.0116		0.0116	0.0116		183.0950	183.0950	3.5100e-003	3.3600e-003	184.2093
NaturalGas Unmitigated	0.0168	0.1438	0.0636	9.2000e-004		0.0116	0.0116		0.0116	0.0116		183.0950	183.0950	3.5100e-003	3.3600e-003	184.2093



### 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					
City Park	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
Enclosed Parking with Elevator	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
Other 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
Regional Shopping Center	60.0822	6.5000e-004	5.8900e-003	4.9500e-003	4.0000e-005		4.5000e-004	4.5000e-004		4.5000e-004	4.5000e-004		7.0685	7.0685	1.4000e-004	1.3000e-004	7.1115
Apartments Mid Rise	1496.23	0.0161	0.1379	0.0587	8.8000e-004		0.0112	0.0112		0.0112	0.0112		176.0265	176.0265	3.3700e-003	3.2300e-003	177.0978
<b>Total</b>		<b>0.0168</b>	<b>0.1438</b>	<b>0.0636</b>	<b>9.2000e-004</b>		<b>0.0116</b>	<b>0.0116</b>		<b>0.0116</b>	<b>0.0116</b>		<b>183.0950</b>	<b>183.0950</b>	<b>3.5100e-003</b>	<b>3.3600e-003</b>	<b>184.2093</b>

### 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					
Enclosed Parking with Elevator	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
Other 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
Regional Shopping Center	0.0600822	6.5000e-004	5.8900e-003	4.9500e-003	4.0000e-005		4.5000e-004	4.5000e-004		4.5000e-004	4.5000e-004		7.0685	7.0685	1.4000e-004	1.3000e-004	7.1115
Apartments Mid Rise	1.49623	0.0161	0.1379	0.0587	8.8000e-004		0.0112	0.0112		0.0112	0.0112		176.0265	176.0265	3.3700e-003	3.2300e-003	177.0978
City Park	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
<b>Total</b>		<b>0.0168</b>	<b>0.1438</b>	<b>0.0636</b>	<b>9.2000e-004</b>		<b>0.0116</b>	<b>0.0116</b>		<b>0.0116</b>	<b>0.0116</b>		<b>183.0950</b>	<b>183.0950</b>	<b>3.5100e-003</b>	<b>3.3600e-003</b>	<b>184.2093</b>

### 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
- No Hearths Installed
- Use Low VOC Cleaning Supplies

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	6.8313	0.0741	6.3636	3.3000e-004		0.0345	0.0345		0.0345	0.0345	0.0000	11.3538	11.3538	0.0115	0.0000	11.5955
Unmitigated	6.8313	0.0741	6.3636	3.3000e-004		0.0345	0.0345		0.0345	0.0345	0.0000	11.3538	11.3538	0.0115	0.0000	11.5955

## 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	1.0192					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	5.6120					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	0.2001	0.0741	6.3636	3.3000e-004		0.0345	0.0345		0.0345	0.0345		11.3538	11.3538	0.0115		11.5955
<b>Total</b>	<b>6.8313</b>	<b>0.0741</b>	<b>6.3636</b>	<b>3.3000e-004</b>		<b>0.0345</b>	<b>0.0345</b>		<b>0.0345</b>	<b>0.0345</b>	<b>0.0000</b>	<b>11.3538</b>	<b>11.3538</b>	<b>0.0115</b>	<b>0.0000</b>	<b>11.5955</b>

## 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	1.0192					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	5.6120					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	0.2001	0.0741	6.3636	3.3000e-004		0.0345	0.0345		0.0345	0.0345		11.3538	11.3538	0.0115		11.5955
<b>Total</b>	<b>6.8313</b>	<b>0.0741</b>	<b>6.3636</b>	<b>3.3000e-004</b>		<b>0.0345</b>	<b>0.0345</b>		<b>0.0345</b>	<b>0.0345</b>	<b>0.0000</b>	<b>11.3538</b>	<b>11.3538</b>	<b>0.0115</b>	<b>0.0000</b>	<b>11.5955</b>

## 7.0 Water Detail

### 7.1 Mitigation Measures Water

Apply Water Conservation Strategy

Install Low Flow Bathroom Faucet

Install Low Flow Kitchen Faucet

Install Low Flow Toilet

Install Low Flow Shower

## 8.0 Waste Detail

### 8.1 Mitigation Measures Waste

Institute Recycling and Composting Services

## 9.0 Operational Offroad

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

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**Glenoaks IS**  
**Los Angeles-South Coast County, Annual**

**1.0 Project Characteristics**

**1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Apartments Mid Rise	76.00	Dwelling Unit	1.20	185,531.00	198
Other Asphalt Surfaces	79.60	1000sqft	0.00	79,600.00	0
Regional Shopping Center	12.90	1000sqft	0.00	12,900.00	0
City Park	0.12	Acre	0.00	5,401.44	0
Enclosed Parking with Elevator	199.00	Space	0.00	0.00	0

**1.2 Other Project Characteristics**

<b>Urbanization</b>	Urban	<b>Wind Speed (m/s)</b>	2.2	<b>Precipitation Freq (Days)</b>	33
<b>Climate Zone</b>	12			<b>Operational Year</b>	2017
<b>Utility Company</b>	Glendale Water & Power				
<b>CO2 Intensity (lb/MWhr)</b>	1115.33	<b>CH4 Intensity (lb/MWhr)</b>	0.029	<b>N2O Intensity (lb/MWhr)</b>	0.006

**1.3 User Entered Comments & Non-Default Data**



tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	5.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstructionPhase	NumDays	10.00	60.00
tblConstructionPhase	NumDays	200.00	230.00
tblConstructionPhase	NumDays	20.00	25.00
tblConstructionPhase	NumDays	4.00	120.00
tblConstructionPhase	NumDays	2.00	6.00
tblFireplaces	FireplaceDayYear	25.00	0.00



tblFireplaces	FireplaceHourDay	3.00	0.00
tblFireplaces	FireplaceWoodMass	1,019.20	0.00
tblFireplaces	NumberGas	64.60	0.00
tblFireplaces	NumberNoFireplace	7.60	0.00
tblFireplaces	NumberWood	3.80	0.00
tblGrading	AcresOfGrading	45.00	1.20
tblGrading	AcresOfGrading	3.00	1.20
tblGrading	MaterialExported	0.00	25,800.00
tblLandUse	LandUseSquareFeet	76,000.00	185,531.00
tblLandUse	LandUseSquareFeet	79,600.00	0.00
tblLandUse	LotAcreage	2.00	1.20
tblLandUse	LotAcreage	1.83	0.00
tblLandUse	LotAcreage	0.30	0.00
tblLandUse	LotAcreage	0.12	0.00
tblLandUse	LotAcreage	1.79	0.00
tblLandUse	Population	217.00	198.00
tblOffRoadEquipment	LoadFactor	0.38	0.38
tblOffRoadEquipment	OffRoadEquipmentType		Excavators
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblProjectCharacteristics	OperationalYear	2014	2017
tblSolidWaste	SolidWasteGenerationRate	34.96	47.42
tblSolidWaste	SolidWasteGenerationRate	0.01	0.00
tblSolidWaste	SolidWasteGenerationRate	13.55	10.06
tblVehicleTrips	ST_TR	7.16	6.65
tblVehicleTrips	ST_TR	1.59	0.00
tblVehicleTrips	ST_TR	49.97	42.70

tblVehicleTrips	SU_TR	6.07	6.65
tblVehicleTrips	SU_TR	1.59	0.00
tblVehicleTrips	SU_TR	25.24	42.70
tblVehicleTrips	WD_TR	6.59	6.65
tblVehicleTrips	WD_TR	1.59	0.00
tblVehicleTrips	WD_TR	42.94	42.70
tblWater	IndoorWaterUseRate	4,951,705.95	4,964,000.00
tblWater	IndoorWaterUseRate	955,535.53	470,850.00
tblWater	OutdoorWaterUseRate	3,121,727.66	0.00
tblWater	OutdoorWaterUseRate	142,977.76	0.00
tblWater	OutdoorWaterUseRate	585,650.81	0.00
tblWoodstoves	NumberCatalytic	3.80	0.00
tblWoodstoves	NumberNoncatalytic	3.80	0.00
tblWoodstoves	WoodstoveDayYear	25.00	0.00
tblWoodstoves	WoodstoveWoodMass	999.60	0.00

## 2.0 Emissions Summary

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## 2.1 Overall Construction

### Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2015	0.1936	2.1676	1.5195	2.3500e-003	0.3282	0.1012	0.4294	0.1679	0.0935	0.2614	0.0000	218.9527	218.9527	0.0347	0.0000	219.6822
2016	0.5452	3.0452	3.0037	5.0900e-003	0.4334	0.1785	0.6119	0.1919	0.1712	0.3631	0.0000	425.6594	425.6594	0.0605	0.0000	426.9302
2017	1.8098	0.0666	0.0873	1.6000e-004	6.0400e-003	5.0800e-003	0.0111	1.6000e-003	5.0800e-003	6.6800e-003	0.0000	13.0754	13.0754	1.0900e-003	0.0000	13.0983
<b>Total</b>	<b>2.5486</b>	<b>5.2793</b>	<b>4.6105</b>	<b>7.6000e-003</b>	<b>0.7677</b>	<b>0.2848</b>	<b>1.0524</b>	<b>0.3613</b>	<b>0.2698</b>	<b>0.6312</b>	<b>0.0000</b>	<b>657.6874</b>	<b>657.6874</b>	<b>0.0963</b>	<b>0.0000</b>	<b>659.7106</b>

### Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2015	0.0615	1.0629	1.1890	2.3500e-003	0.1488	0.0374	0.1861	0.0711	0.0368	0.1078	0.0000	218.9525	218.9525	0.0347	0.0000	219.6821
2016	0.2188	1.8908	2.8204	5.0900e-003	0.2669	0.0954	0.3622	0.1008	0.0949	0.1957	0.0000	425.6591	425.6591	0.0605	0.0000	426.9299
2017	1.8019	0.0425	0.0862	1.6000e-004	6.0400e-003	2.8100e-003	8.8500e-003	1.6000e-003	2.8100e-003	4.4100e-003	0.0000	13.0754	13.0754	1.0900e-003	0.0000	13.0983
<b>Total</b>	<b>2.0822</b>	<b>2.9962</b>	<b>4.0956</b>	<b>7.6000e-003</b>	<b>0.4217</b>	<b>0.1355</b>	<b>0.5572</b>	<b>0.1735</b>	<b>0.1345</b>	<b>0.3079</b>	<b>0.0000</b>	<b>657.6870</b>	<b>657.6870</b>	<b>0.0963</b>	<b>0.0000</b>	<b>659.7102</b>

	ROG	NOx	CO	SO2	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	18.30	43.25	11.17	0.00	45.07	52.41	47.06	51.99	50.17	51.21	0.00	0.00	0.00	0.00	0.00	0.00

## 2.2 Overall Operational

### Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	1.2352	9.2600e-003	0.7955	4.0000e-005		4.3100e-003	4.3100e-003		4.3100e-003	4.3100e-003	0.0000	1.2875	1.2875	1.3100e-003	0.0000	1.3149
Energy	3.0600e-003	0.0262	0.0116	1.7000e-004		2.1200e-003	2.1200e-003		2.1200e-003	2.1200e-003	0.0000	266.2863	266.2863	6.7200e-003	1.8300e-003	266.9931
Mobile	0.6453	1.8426	7.1513	0.0167	1.1061	0.0250	1.1312	0.2963	0.0230	0.3193	0.0000	1,296.5935	1,296.5935	0.0535	0.0000	1,297.7177
Waste						0.0000	0.0000		0.0000	0.0000	11.6679	0.0000	11.6679	0.6896	0.0000	26.1486
Water						0.0000	0.0000		0.0000	0.0000	1.7242	35.8015	37.5257	0.1780	4.3700e-003	42.6202
<b>Total</b>	<b>1.8835</b>	<b>1.8781</b>	<b>7.9583</b>	<b>0.0169</b>	<b>1.1061</b>	<b>0.0315</b>	<b>1.1376</b>	<b>0.2963</b>	<b>0.0295</b>	<b>0.3257</b>	<b>13.3922</b>	<b>1,599.9688</b>	<b>1,613.3609</b>	<b>0.9291</b>	<b>6.2000e-003</b>	<b>1,634.7946</b>

## 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	1.2352	9.2600e-003	0.7955	4.0000e-005		4.3100e-003	4.3100e-003		4.3100e-003	4.3100e-003	0.0000	1.2875	1.2875	1.3100e-003	0.0000	1.3149
Energy	3.0600e-003	0.0262	0.0116	1.7000e-004		2.1200e-003	2.1200e-003		2.1200e-003	2.1200e-003	0.0000	266.2863	266.2863	6.7200e-003	1.8300e-003	266.9931
Mobile	0.6101	1.5751	6.2910	0.0139	0.9156	0.0210	0.9365	0.2452	0.0193	0.2645	0.0000	1,079.8910	1,079.8910	0.0452	0.0000	1,080.8396
Waste						0.0000	0.0000		0.0000	0.0000	5.8340	0.0000	5.8340	0.3448	0.0000	13.0743
Water						0.0000	0.0000		0.0000	0.0000	1.3794	27.6471	29.0265	0.1424	3.4900e-003	33.0999
<b>Total</b>	<b>1.8484</b>	<b>1.6106</b>	<b>7.0981</b>	<b>0.0141</b>	<b>0.9156</b>	<b>0.0274</b>	<b>0.9430</b>	<b>0.2452</b>	<b>0.0258</b>	<b>0.2710</b>	<b>7.2133</b>	<b>1,375.1119</b>	<b>1,382.3253</b>	<b>0.5404</b>	<b>5.3200e-003</b>	<b>1,395.3218</b>

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
<b>Percent Reduction</b>	<b>1.87</b>	<b>14.24</b>	<b>10.81</b>	<b>16.48</b>	<b>17.23</b>	<b>12.84</b>	<b>17.11</b>	<b>17.23</b>	<b>12.62</b>	<b>16.81</b>	<b>46.14</b>	<b>14.05</b>	<b>14.32</b>	<b>41.84</b>	<b>14.19</b>	<b>14.65</b>

## 3.0 Construction Detail

### Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	7/1/2015	8/4/2015	5	25	
2	Site Preparation	Site Preparation	8/5/2015	8/12/2015	5	6	
3	Grading	Grading	8/13/2015	1/27/2016	5	120	
4	Building Construction	Building Construction	1/28/2016	12/14/2016	5	230	
5	Paving	Paving	12/15/2016	12/28/2016	5	10	
6	Architectural Coating	Architectural Coating	12/29/2016	3/22/2017	5	60	

**Acres of Grading (Site Preparation Phase): 1.2**

**Acres of Grading (Grading Phase): 1.2**

**Acres of Paving: 0**

**Residential Indoor: 375,700; Residential Outdoor: 125,233; Non-Residential Indoor: 146,852; Non-Residential Outdoor: 48,951 (Architectural Coating – sqft)**

**OffRoad Equipment**

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Architectural Coating	Air Compressors	1	6.00	78	0.48
Paving	Cement and Mortar Mixers	1	6.00	9	0.56
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Cranes	1	6.00	226	0.29
Building Construction	Forklifts	1	6.00	89	0.20
Site Preparation	Graders	1	8.00	174	0.41
Paving	Pavers	1	6.00	125	0.42
Paving	Rollers	1	7.00	80	0.38
Demolition	Rubber Tired Dozers	1	8.00	255	0.40
Grading	Rubber Tired Dozers	1	6.00	255	0.40
Building Construction	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Demolition	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Grading	Tractors/Loaders/Backhoes	1	7.00	97	0.37
Paving	Tractors/Loaders/Backhoes	0	0.00	97	0.37
Site Preparation	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Grading	Graders	1	6.00	174	0.41
Paving	Paving Equipment	1	8.00	130	0.36
Site Preparation	Rubber Tired Dozers	1	7.00	255	0.40
Building Construction	Welders	3	8.00	46	0.45
Grading	Excavators	1	6.00	162	0.38

**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
Demolition	4	10.00	0.00	43.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	3	8.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	4	10.00	0.00	3,225.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	7	95.00	24.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	4	10.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	19.00	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

Reduce Vehicle Speed on Unpaved Roads

Clean Paved Roads

### 3.2 Demolition - 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	tons/yr										MT/yr					
Fugitive Dust					4.6000e-003	0.0000	4.6000e-003	7.0000e-004	0.0000	7.0000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0338	0.3281	0.2454	2.7000e-004		0.0200	0.0200		0.0188	0.0188	0.0000	24.7386	24.7386	6.1000e-003	0.0000	24.8667
<b>Total</b>	<b>0.0338</b>	<b>0.3281</b>	<b>0.2454</b>	<b>2.7000e-004</b>	<b>4.6000e-003</b>	<b>0.0200</b>	<b>0.0246</b>	<b>7.0000e-004</b>	<b>0.0188</b>	<b>0.0195</b>	<b>0.0000</b>	<b>24.7386</b>	<b>24.7386</b>	<b>6.1000e-003</b>	<b>0.0000</b>	<b>24.8667</b>



**3.2 Demolition - 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	tons/yr										MT/yr					
Hauling	4.5000e-004	7.1900e-003	5.1900e-003	2.0000e-005	3.7000e-004	1.1000e-004	4.8000e-004	1.0000e-004	1.0000e-004	2.0000e-004	0.0000	1.4830	1.4830	1.0000e-005	0.0000	1.4833
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	6.1000e-004	8.8000e-004	9.1900e-003	2.0000e-005	1.3700e-003	1.0000e-005	1.3800e-003	3.6000e-004	1.0000e-005	3.8000e-004	0.0000	1.3828	1.3828	8.0000e-005	0.0000	1.3845
<b>Total</b>	<b>1.0600e-003</b>	<b>8.0700e-003</b>	<b>0.0144</b>	<b>4.0000e-005</b>	<b>1.7400e-003</b>	<b>1.2000e-004</b>	<b>1.8600e-003</b>	<b>4.6000e-004</b>	<b>1.1000e-004</b>	<b>5.8000e-004</b>	<b>0.0000</b>	<b>2.8658</b>	<b>2.8658</b>	<b>9.0000e-005</b>	<b>0.0000</b>	<b>2.8678</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					1.7900e-003	0.0000	1.7900e-003	2.7000e-004	0.0000	2.7000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	6.1600e-003	0.1313	0.1653	2.7000e-004		7.5200e-003	7.5200e-003		7.5200e-003	7.5200e-003	0.0000	24.7386	24.7386	6.1000e-003	0.0000	24.8667
<b>Total</b>	<b>6.1600e-003</b>	<b>0.1313</b>	<b>0.1653</b>	<b>2.7000e-004</b>	<b>1.7900e-003</b>	<b>7.5200e-003</b>	<b>9.3100e-003</b>	<b>2.7000e-004</b>	<b>7.5200e-003</b>	<b>7.7900e-003</b>	<b>0.0000</b>	<b>24.7386</b>	<b>24.7386</b>	<b>6.1000e-003</b>	<b>0.0000</b>	<b>24.8667</b>

### 3.2 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	tons/yr										MT/yr					
Hauling	4.5000e-004	7.1900e-003	5.1900e-003	2.0000e-005	3.7000e-004	1.1000e-004	4.8000e-004	1.0000e-004	1.0000e-004	2.0000e-004	0.0000	1.4830	1.4830	1.0000e-005	0.0000	1.4833
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	6.1000e-004	8.8000e-004	9.1900e-003	2.0000e-005	1.3700e-003	1.0000e-005	1.3800e-003	3.6000e-004	1.0000e-005	3.8000e-004	0.0000	1.3828	1.3828	8.0000e-005	0.0000	1.3845
<b>Total</b>	<b>1.0600e-003</b>	<b>8.0700e-003</b>	<b>0.0144</b>	<b>4.0000e-005</b>	<b>1.7400e-003</b>	<b>1.2000e-004</b>	<b>1.8600e-003</b>	<b>4.6000e-004</b>	<b>1.1000e-004</b>	<b>5.8000e-004</b>	<b>0.0000</b>	<b>2.8658</b>	<b>2.8658</b>	<b>9.0000e-005</b>	<b>0.0000</b>	<b>2.8678</b>

### 3.3 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	tons/yr										MT/yr					
Fugitive Dust					0.0164	0.0000	0.0164	8.7600e-003	0.0000	8.7600e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	7.6100e-003	0.0807	0.0510	5.0000e-005		4.4000e-003	4.4000e-003		4.0500e-003	4.0500e-003	0.0000	4.9035	4.9035	1.4600e-003	0.0000	4.9343
<b>Total</b>	<b>7.6100e-003</b>	<b>0.0807</b>	<b>0.0510</b>	<b>5.0000e-005</b>	<b>0.0164</b>	<b>4.4000e-003</b>	<b>0.0208</b>	<b>8.7600e-003</b>	<b>4.0500e-003</b>	<b>0.0128</b>	<b>0.0000</b>	<b>4.9035</b>	<b>4.9035</b>	<b>1.4600e-003</b>	<b>0.0000</b>	<b>4.9343</b>

### 3.3 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	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	1.2000e-004	1.7000e-004	1.7600e-003	0.0000	2.6000e-004	0.0000	2.7000e-004	7.0000e-005	0.0000	7.0000e-005	0.0000	0.2655	0.2655	2.0000e-005	0.0000	0.2658
<b>Total</b>	<b>1.2000e-004</b>	<b>1.7000e-004</b>	<b>1.7600e-003</b>	<b>0.0000</b>	<b>2.6000e-004</b>	<b>0.0000</b>	<b>2.7000e-004</b>	<b>7.0000e-005</b>	<b>0.0000</b>	<b>7.0000e-005</b>	<b>0.0000</b>	<b>0.2655</b>	<b>0.2655</b>	<b>2.0000e-005</b>	<b>0.0000</b>	<b>0.2658</b>

#### 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					6.4100e-003	0.0000	6.4100e-003	3.4200e-003	0.0000	3.4200e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.2500e-003	0.0249	0.0333	5.0000e-005		1.2000e-003	1.2000e-003		1.2000e-003	1.2000e-003	0.0000	4.9035	4.9035	1.4600e-003	0.0000	4.9343
<b>Total</b>	<b>1.2500e-003</b>	<b>0.0249</b>	<b>0.0333</b>	<b>5.0000e-005</b>	<b>6.4100e-003</b>	<b>1.2000e-003</b>	<b>7.6100e-003</b>	<b>3.4200e-003</b>	<b>1.2000e-003</b>	<b>4.6200e-003</b>	<b>0.0000</b>	<b>4.9035</b>	<b>4.9035</b>	<b>1.4600e-003</b>	<b>0.0000</b>	<b>4.9343</b>

### 3.3 Site Preparation - 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	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	1.2000e-004	1.7000e-004	1.7600e-003	0.0000	2.6000e-004	0.0000	2.7000e-004	7.0000e-005	0.0000	7.0000e-005	0.0000	0.2655	0.2655	2.0000e-005	0.0000	0.2658
<b>Total</b>	<b>1.2000e-004</b>	<b>1.7000e-004</b>	<b>1.7600e-003</b>	<b>0.0000</b>	<b>2.6000e-004</b>	<b>0.0000</b>	<b>2.7000e-004</b>	<b>7.0000e-005</b>	<b>0.0000</b>	<b>7.0000e-005</b>	<b>0.0000</b>	<b>0.2655</b>	<b>0.2655</b>	<b>2.0000e-005</b>	<b>0.0000</b>	<b>0.2658</b>

### 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	tons/yr										MT/yr					
Fugitive Dust					0.2731	0.0000	0.2731	0.1493	0.0000	0.1493	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.1202	1.2934	0.8425	9.1000e-004		0.0696	0.0696		0.0640	0.0640	0.0000	86.9779	86.9779	0.0260	0.0000	87.5232
<b>Total</b>	<b>0.1202</b>	<b>1.2934</b>	<b>0.8425</b>	<b>9.1000e-004</b>	<b>0.2731</b>	<b>0.0696</b>	<b>0.3427</b>	<b>0.1493</b>	<b>0.0640</b>	<b>0.2133</b>	<b>0.0000</b>	<b>86.9779</b>	<b>86.9779</b>	<b>0.0260</b>	<b>0.0000</b>	<b>87.5232</b>

**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	tons/yr										MT/yr					
Hauling	0.0283	0.4537	0.3273	1.0100e-003	0.0265	7.1100e-003	0.0336	7.1800e-003	6.5400e-003	0.0137	0.0000	93.6150	93.6150	7.7000e-004	0.0000	93.6311
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.4500e-003	3.5600e-003	0.0371	7.0000e-005	5.5300e-003	6.0000e-005	5.5900e-003	1.4700e-003	5.0000e-005	1.5200e-003	0.0000	5.5863	5.5863	3.3000e-004	0.0000	5.5933
<b>Total</b>	<b>0.0308</b>	<b>0.4573</b>	<b>0.3644</b>	<b>1.0800e-003</b>	<b>0.0321</b>	<b>7.1700e-003</b>	<b>0.0392</b>	<b>8.6500e-003</b>	<b>6.5900e-003</b>	<b>0.0152</b>	<b>0.0000</b>	<b>99.2013</b>	<b>99.2013</b>	<b>1.1000e-003</b>	<b>0.0000</b>	<b>99.2244</b>

**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					0.1065	0.0000	0.1065	0.0582	0.0000	0.0582	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0222	0.4412	0.6099	9.1000e-004		0.0213	0.0213		0.0213	0.0213	0.0000	86.9778	86.9778	0.0260	0.0000	87.5231
<b>Total</b>	<b>0.0222</b>	<b>0.4412</b>	<b>0.6099</b>	<b>9.1000e-004</b>	<b>0.1065</b>	<b>0.0213</b>	<b>0.1278</b>	<b>0.0582</b>	<b>0.0213</b>	<b>0.0795</b>	<b>0.0000</b>	<b>86.9778</b>	<b>86.9778</b>	<b>0.0260</b>	<b>0.0000</b>	<b>87.5231</b>

### 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	tons/yr										MT/yr					
Hauling	0.0283	0.4537	0.3273	1.0100e-003	0.0265	7.1100e-003	0.0336	7.1800e-003	6.5400e-003	0.0137	0.0000	93.6150	93.6150	7.7000e-004	0.0000	93.6311
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.4500e-003	3.5600e-003	0.0371	7.0000e-005	5.5300e-003	6.0000e-005	5.5900e-003	1.4700e-003	5.0000e-005	1.5200e-003	0.0000	5.5863	5.5863	3.3000e-004	0.0000	5.5933
<b>Total</b>	<b>0.0308</b>	<b>0.4573</b>	<b>0.3644</b>	<b>1.0800e-003</b>	<b>0.0321</b>	<b>7.1700e-003</b>	<b>0.0392</b>	<b>8.6500e-003</b>	<b>6.5900e-003</b>	<b>0.0152</b>	<b>0.0000</b>	<b>99.2013</b>	<b>99.2013</b>	<b>1.1000e-003</b>	<b>0.0000</b>	<b>99.2244</b>

### 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	tons/yr										MT/yr					
Fugitive Dust					0.2731	0.0000	0.2731	0.1493	0.0000	0.1493	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0217	0.2316	0.1544	1.7000e-004		0.0124	0.0124		0.0114	0.0114	0.0000	16.1795	16.1795	4.8800e-003	0.0000	16.2820
<b>Total</b>	<b>0.0217</b>	<b>0.2316</b>	<b>0.1544</b>	<b>1.7000e-004</b>	<b>0.2731</b>	<b>0.0124</b>	<b>0.2855</b>	<b>0.1493</b>	<b>0.0114</b>	<b>0.1607</b>	<b>0.0000</b>	<b>16.1795</b>	<b>16.1795</b>	<b>4.8800e-003</b>	<b>0.0000</b>	<b>16.2820</b>

### 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	tons/yr										MT/yr					
Hauling	4.6800e-003	0.0754	0.0572	1.9000e-004	0.0219	1.0600e-003	0.0230	5.5000e-003	9.8000e-004	6.4800e-003	0.0000	17.4162	17.4162	1.3000e-004	0.0000	17.4189
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.1000e-004	6.1000e-004	6.3200e-003	1.0000e-005	1.0400e-003	1.0000e-005	1.0500e-003	2.8000e-004	1.0000e-005	2.9000e-004	0.0000	1.0158	1.0158	6.0000e-005	0.0000	1.0170
<b>Total</b>	<b>5.0900e-003</b>	<b>0.0760</b>	<b>0.0635</b>	<b>2.0000e-004</b>	<b>0.0230</b>	<b>1.0700e-003</b>	<b>0.0240</b>	<b>5.7800e-003</b>	<b>9.9000e-004</b>	<b>6.7700e-003</b>	<b>0.0000</b>	<b>18.4320</b>	<b>18.4320</b>	<b>1.9000e-004</b>	<b>0.0000</b>	<b>18.4359</b>

#### 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					0.1065	0.0000	0.1065	0.0582	0.0000	0.0582	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	4.1800e-003	0.0830	0.1147	1.7000e-004		4.0100e-003	4.0100e-003		4.0100e-003	4.0100e-003	0.0000	16.1794	16.1794	4.8800e-003	0.0000	16.2819
<b>Total</b>	<b>4.1800e-003</b>	<b>0.0830</b>	<b>0.1147</b>	<b>1.7000e-004</b>	<b>0.1065</b>	<b>4.0100e-003</b>	<b>0.1105</b>	<b>0.0582</b>	<b>4.0100e-003</b>	<b>0.0622</b>	<b>0.0000</b>	<b>16.1794</b>	<b>16.1794</b>	<b>4.8800e-003</b>	<b>0.0000</b>	<b>16.2819</b>

**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	tons/yr										MT/yr					
Hauling	4.6800e-003	0.0754	0.0572	1.9000e-004	0.0219	1.0600e-003	0.0230	5.5000e-003	9.8000e-004	6.4800e-003	0.0000	17.4162	17.4162	1.3000e-004	0.0000	17.4189
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.1000e-004	6.1000e-004	6.3200e-003	1.0000e-005	1.0400e-003	1.0000e-005	1.0500e-003	2.8000e-004	1.0000e-005	2.9000e-004	0.0000	1.0158	1.0158	6.0000e-005	0.0000	1.0170
<b>Total</b>	<b>5.0900e-003</b>	<b>0.0760</b>	<b>0.0635</b>	<b>2.0000e-004</b>	<b>0.0230</b>	<b>1.0700e-003</b>	<b>0.0240</b>	<b>5.7800e-003</b>	<b>9.9000e-004</b>	<b>6.7700e-003</b>	<b>0.0000</b>	<b>18.4320</b>	<b>18.4320</b>	<b>1.9000e-004</b>	<b>0.0000</b>	<b>18.4359</b>

**3.5 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	0.3785	2.3628	1.6914	2.5200e-003		0.1571	0.1571		0.1515	0.1515	0.0000	213.5499	213.5499	0.0469	0.0000	214.5356
<b>Total</b>	<b>0.3785</b>	<b>2.3628</b>	<b>1.6914</b>	<b>2.5200e-003</b>		<b>0.1571</b>	<b>0.1571</b>		<b>0.1515</b>	<b>0.1515</b>	<b>0.0000</b>	<b>213.5499</b>	<b>213.5499</b>	<b>0.0469</b>	<b>0.0000</b>	<b>214.5356</b>



### 3.5 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	0.0248	0.2525	0.3280	6.1000e-004	0.0169	3.7900e-003	0.0207	4.8300e-003	3.4900e-003	8.3100e-003	0.0000	54.9472	54.9472	4.1000e-004	0.0000	54.9558
Worker	0.0477	0.0697	0.7267	1.5200e-003	0.1197	1.1500e-003	0.1209	0.0318	1.0600e-003	0.0329	0.0000	116.8188	116.8188	6.6300e-003	0.0000	116.9580
<b>Total</b>	<b>0.0725</b>	<b>0.3222</b>	<b>1.0547</b>	<b>2.1300e-003</b>	<b>0.1367</b>	<b>4.9400e-003</b>	<b>0.1416</b>	<b>0.0366</b>	<b>4.5500e-003</b>	<b>0.0412</b>	<b>0.0000</b>	<b>171.7660</b>	<b>171.7660</b>	<b>7.0400e-003</b>	<b>0.0000</b>	<b>171.9138</b>

#### 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	0.0734	1.3837	1.5443	2.5200e-003		0.0839	0.0839		0.0839	0.0839	0.0000	213.5497	213.5497	0.0469	0.0000	214.5353
<b>Total</b>	<b>0.0734</b>	<b>1.3837</b>	<b>1.5443</b>	<b>2.5200e-003</b>		<b>0.0839</b>	<b>0.0839</b>		<b>0.0839</b>	<b>0.0839</b>	<b>0.0000</b>	<b>213.5497</b>	<b>213.5497</b>	<b>0.0469</b>	<b>0.0000</b>	<b>214.5353</b>

**3.5 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	0.0248	0.2525	0.3280	6.1000e-004	0.0169	3.7900e-003	0.0207	4.8300e-003	3.4900e-003	8.3100e-003	0.0000	54.9472	54.9472	4.1000e-004	0.0000	54.9558
Worker	0.0477	0.0697	0.7267	1.5200e-003	0.1197	1.1500e-003	0.1209	0.0318	1.0600e-003	0.0329	0.0000	116.8188	116.8188	6.6300e-003	0.0000	116.9580
<b>Total</b>	<b>0.0725</b>	<b>0.3222</b>	<b>1.0547</b>	<b>2.1300e-003</b>	<b>0.1367</b>	<b>4.9400e-003</b>	<b>0.1416</b>	<b>0.0366</b>	<b>4.5500e-003</b>	<b>0.0412</b>	<b>0.0000</b>	<b>171.7660</b>	<b>171.7660</b>	<b>7.0400e-003</b>	<b>0.0000</b>	<b>171.9138</b>

**3.6 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	4.7300e-003	0.0498	0.0334	5.0000e-005		2.7800e-003	2.7800e-003		2.5700e-003	2.5700e-003	0.0000	4.7390	4.7390	1.4000e-003	0.0000	4.7683
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>4.7300e-003</b>	<b>0.0498</b>	<b>0.0334</b>	<b>5.0000e-005</b>		<b>2.7800e-003</b>	<b>2.7800e-003</b>		<b>2.5700e-003</b>	<b>2.5700e-003</b>	<b>0.0000</b>	<b>4.7390</b>	<b>4.7390</b>	<b>1.4000e-003</b>	<b>0.0000</b>	<b>4.7683</b>

### 3.6 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	2.2000e-004	3.2000e-004	3.3300e-003	1.0000e-005	5.5000e-004	1.0000e-005	5.5000e-004	1.5000e-004	0.0000	1.5000e-004	0.0000	0.5346	0.5346	3.0000e-005	0.0000	0.5353
<b>Total</b>	<b>2.2000e-004</b>	<b>3.2000e-004</b>	<b>3.3300e-003</b>	<b>1.0000e-005</b>	<b>5.5000e-004</b>	<b>1.0000e-005</b>	<b>5.5000e-004</b>	<b>1.5000e-004</b>	<b>0.0000</b>	<b>1.5000e-004</b>	<b>0.0000</b>	<b>0.5346</b>	<b>0.5346</b>	<b>3.0000e-005</b>	<b>0.0000</b>	<b>0.5353</b>

#### 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	1.1900e-003	0.0241	0.0368	5.0000e-005		1.3000e-003	1.3000e-003		1.3000e-003	1.3000e-003	0.0000	4.7389	4.7389	1.4000e-003	0.0000	4.7683
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>1.1900e-003</b>	<b>0.0241</b>	<b>0.0368</b>	<b>5.0000e-005</b>		<b>1.3000e-003</b>	<b>1.3000e-003</b>		<b>1.3000e-003</b>	<b>1.3000e-003</b>	<b>0.0000</b>	<b>4.7389</b>	<b>4.7389</b>	<b>1.4000e-003</b>	<b>0.0000</b>	<b>4.7683</b>

### 3.6 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	2.2000e-004	3.2000e-004	3.3300e-003	1.0000e-005	5.5000e-004	1.0000e-005	5.5000e-004	1.5000e-004	0.0000	1.5000e-004	0.0000	0.5346	0.5346	3.0000e-005	0.0000	0.5353
<b>Total</b>	<b>2.2000e-004</b>	<b>3.2000e-004</b>	<b>3.3300e-003</b>	<b>1.0000e-005</b>	<b>5.5000e-004</b>	<b>1.0000e-005</b>	<b>5.5000e-004</b>	<b>1.5000e-004</b>	<b>0.0000</b>	<b>1.5000e-004</b>	<b>0.0000</b>	<b>0.5346</b>	<b>0.5346</b>	<b>3.0000e-005</b>	<b>0.0000</b>	<b>0.5353</b>

### 3.7 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	0.0620					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	3.7000e-004	2.3700e-003	1.8800e-003	0.0000		2.0000e-004	2.0000e-004		2.0000e-004	2.0000e-004	0.0000	0.2553	0.2553	3.0000e-005	0.0000	0.2560
<b>Total</b>	<b>0.0624</b>	<b>2.3700e-003</b>	<b>1.8800e-003</b>	<b>0.0000</b>		<b>2.0000e-004</b>	<b>2.0000e-004</b>		<b>2.0000e-004</b>	<b>2.0000e-004</b>	<b>0.0000</b>	<b>0.2553</b>	<b>0.2553</b>	<b>3.0000e-005</b>	<b>0.0000</b>	<b>0.2560</b>

### 3.7 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	8.0000e-005	1.2000e-004	1.2600e-003	0.0000	2.1000e-004	0.0000	2.1000e-004	6.0000e-005	0.0000	6.0000e-005	0.0000	0.2032	0.2032	1.0000e-005	0.0000	0.2034
<b>Total</b>	<b>8.0000e-005</b>	<b>1.2000e-004</b>	<b>1.2600e-003</b>	<b>0.0000</b>	<b>2.1000e-004</b>	<b>0.0000</b>	<b>2.1000e-004</b>	<b>6.0000e-005</b>	<b>0.0000</b>	<b>6.0000e-005</b>	<b>0.0000</b>	<b>0.2032</b>	<b>0.2032</b>	<b>1.0000e-005</b>	<b>0.0000</b>	<b>0.2034</b>

#### Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.0620					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	6.0000e-005	1.3600e-003	1.8300e-003	0.0000		1.0000e-004	1.0000e-004		1.0000e-004	1.0000e-004	0.0000	0.2553	0.2553	3.0000e-005	0.0000	0.2560
<b>Total</b>	<b>0.0621</b>	<b>1.3600e-003</b>	<b>1.8300e-003</b>	<b>0.0000</b>		<b>1.0000e-004</b>	<b>1.0000e-004</b>		<b>1.0000e-004</b>	<b>1.0000e-004</b>	<b>0.0000</b>	<b>0.2553</b>	<b>0.2553</b>	<b>3.0000e-005</b>	<b>0.0000</b>	<b>0.2560</b>

### 3.7 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
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	8.0000e-005	1.2000e-004	1.2600e-003	0.0000	2.1000e-004	0.0000	2.1000e-004	6.0000e-005	0.0000	6.0000e-005	0.0000	0.2032	0.2032	1.0000e-005	0.0000	0.2034
<b>Total</b>	<b>8.0000e-005</b>	<b>1.2000e-004</b>	<b>1.2600e-003</b>	<b>0.0000</b>	<b>2.1000e-004</b>	<b>0.0000</b>	<b>2.1000e-004</b>	<b>6.0000e-005</b>	<b>0.0000</b>	<b>6.0000e-005</b>	<b>0.0000</b>	<b>0.2032</b>	<b>0.2032</b>	<b>1.0000e-005</b>	<b>0.0000</b>	<b>0.2034</b>

### 3.7 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	1.7980					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	9.6400e-003	0.0634	0.0542	9.0000e-005		5.0300e-003	5.0300e-003		5.0300e-003	5.0300e-003	0.0000	7.4044	7.4044	7.8000e-004	0.0000	7.4209
<b>Total</b>	<b>1.8076</b>	<b>0.0634</b>	<b>0.0542</b>	<b>9.0000e-005</b>		<b>5.0300e-003</b>	<b>5.0300e-003</b>		<b>5.0300e-003</b>	<b>5.0300e-003</b>	<b>0.0000</b>	<b>7.4044</b>	<b>7.4044</b>	<b>7.8000e-004</b>	<b>0.0000</b>	<b>7.4209</b>

### 3.7 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	2.1600e-003	3.1800e-003	0.0331	8.0000e-005	6.0400e-003	6.0000e-005	6.0900e-003	1.6000e-003	5.0000e-005	1.6600e-003	0.0000	5.6709	5.6709	3.1000e-004	0.0000	5.6774
<b>Total</b>	<b>2.1600e-003</b>	<b>3.1800e-003</b>	<b>0.0331</b>	<b>8.0000e-005</b>	<b>6.0400e-003</b>	<b>6.0000e-005</b>	<b>6.0900e-003</b>	<b>1.6000e-003</b>	<b>5.0000e-005</b>	<b>1.6600e-003</b>	<b>0.0000</b>	<b>5.6709</b>	<b>5.6709</b>	<b>3.1000e-004</b>	<b>0.0000</b>	<b>5.6774</b>

#### 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	1.7980					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.7200e-003	0.0394	0.0531	9.0000e-005		2.7600e-003	2.7600e-003		2.7600e-003	2.7600e-003	0.0000	7.4044	7.4044	7.8000e-004	0.0000	7.4208
<b>Total</b>	<b>1.7997</b>	<b>0.0394</b>	<b>0.0531</b>	<b>9.0000e-005</b>		<b>2.7600e-003</b>	<b>2.7600e-003</b>		<b>2.7600e-003</b>	<b>2.7600e-003</b>	<b>0.0000</b>	<b>7.4044</b>	<b>7.4044</b>	<b>7.8000e-004</b>	<b>0.0000</b>	<b>7.4208</b>

### 3.7 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	2.1600e-003	3.1800e-003	0.0331	8.0000e-005	6.0400e-003	6.0000e-005	6.0900e-003	1.6000e-003	5.0000e-005	1.6600e-003	0.0000	5.6709	5.6709	3.1000e-004	0.0000	5.6774
<b>Total</b>	<b>2.1600e-003</b>	<b>3.1800e-003</b>	<b>0.0331</b>	<b>8.0000e-005</b>	<b>6.0400e-003</b>	<b>6.0000e-005</b>	<b>6.0900e-003</b>	<b>1.6000e-003</b>	<b>5.0000e-005</b>	<b>1.6600e-003</b>	<b>0.0000</b>	<b>5.6709</b>	<b>5.6709</b>	<b>3.1000e-004</b>	<b>0.0000</b>	<b>5.6774</b>

### 4.0 Operational Detail - Mobile

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#### 4.1 Mitigation Measures Mobile

Increase Density

Improve Walkability Design

Improve Destination Accessibility

Increase Transit Accessibility



	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.6101	1.5751	6.2910	0.0139	0.9156	0.0210	0.9365	0.2452	0.0193	0.2645	0.0000	1,079.8910	1,079.8910	0.0452	0.0000	1,080.8396
Unmitigated	0.6453	1.8426	7.1513	0.0167	1.1061	0.0250	1.1312	0.2963	0.0230	0.3193	0.0000	1,296.5935	1,296.5935	0.0535	0.0000	1,297.7177

### 4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Mid Rise	505.40	505.40	505.40	1,727,029	1,429,488
City Park	0.00	0.00	0.00		
Enclosed Parking with Elevator	0.00	0.00	0.00		
Other Asphalt Surfaces	0.00	0.00	0.00		
Regional Shopping Center	550.83	550.83	550.83	1,191,359	986,106
<b>Total</b>	<b>1,056.23</b>	<b>1,056.23</b>	<b>1,056.23</b>	<b>2,918,388</b>	<b>2,415,594</b>

### 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
Apartments Mid Rise	14.70	5.90	8.70	40.20	19.20	40.60	86	11	3
City Park	16.60	8.40	6.90	33.00	48.00	19.00	66	28	6
Enclosed Parking with Elevator	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Other Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Regional Shopping Center	16.60	8.40	6.90	16.30	64.70	19.00	54	35	11

LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
0.532559	0.058242	0.178229	0.125155	0.038934	0.006273	0.016761	0.032323	0.002478	0.003154	0.003685	0.000544	0.001663

**5.0 Energy Detail**

**4.4 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	235.9729	235.9729	6.1400e-003	1.2700e-003	236.4952
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	235.9729	235.9729	6.1400e-003	1.2700e-003	236.4952
NaturalGas Mitigated	3.0600e-003	0.0262	0.0116	1.7000e-004		2.1200e-003	2.1200e-003		2.1200e-003	2.1200e-003	0.0000	30.3134	30.3134	5.8000e-004	5.6000e-004	30.4979
NaturalGas Unmitigated	3.0600e-003	0.0262	0.0116	1.7000e-004		2.1200e-003	2.1200e-003		2.1200e-003	2.1200e-003	0.0000	30.3134	30.3134	5.8000e-004	5.6000e-004	30.4979

### 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						
City Park	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	0.0000
Enclosed Parking with Elevator	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	0.0000
Other 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	0.0000
Regional Shopping Center	21930	1.2000e-004	1.0700e-003	9.0000e-004	1.0000e-005		8.0000e-005	8.0000e-005		8.0000e-005	8.0000e-005	0.0000	1.1703	1.1703	2.0000e-005	2.0000e-005	1.1774	
Apartments Mid Rise	546122	2.9400e-003	0.0252	0.0107	1.6000e-004		2.0300e-003	2.0300e-003		2.0300e-003	2.0300e-003	0.0000	29.1432	29.1432	5.6000e-004	5.3000e-004	29.3205	
<b>Total</b>		<b>3.0600e-003</b>	<b>0.0262</b>	<b>0.0116</b>	<b>1.7000e-004</b>		<b>2.1100e-003</b>	<b>2.1100e-003</b>		<b>2.1100e-003</b>	<b>2.1100e-003</b>	<b>0.0000</b>	<b>30.3134</b>	<b>30.3134</b>	<b>5.8000e-004</b>	<b>5.5000e-004</b>	<b>30.4979</b>	

**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	tons/yr										MT/yr						
Enclosed Parking with Elevator	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	0.0000
Other 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	0.0000
Regional Shopping Center	21930	1.2000e-004	1.0700e-003	9.0000e-004	1.0000e-005		8.0000e-005	8.0000e-005		8.0000e-005	8.0000e-005	0.0000	1.1703	1.1703	2.0000e-005	2.0000e-005	1.1774	
Apartments Mid Rise	546122	2.9400e-003	0.0252	0.0107	1.6000e-004		2.0300e-003	2.0300e-003		2.0300e-003	2.0300e-003	0.0000	29.1432	29.1432	5.6000e-004	5.3000e-004	29.3205	
City Park	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	
<b>Total</b>		<b>3.0600e-003</b>	<b>0.0262</b>	<b>0.0116</b>	<b>1.7000e-004</b>		<b>2.1100e-003</b>	<b>2.1100e-003</b>		<b>2.1100e-003</b>	<b>2.1100e-003</b>	<b>0.0000</b>	<b>30.3134</b>	<b>30.3134</b>	<b>5.8000e-004</b>	<b>5.5000e-004</b>	<b>30.4979</b>	

### 5.3 Energy by Land Use - Electricity

#### Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments Mid Rise	270744	136.9708	3.5600e-003	7.4000e-004	137.2740
City Park	0	0.0000	0.0000	0.0000	0.0000
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	195693	99.0021	2.5700e-003	5.3000e-004	99.2213
<b>Total</b>		<b>235.9729</b>	<b>6.1300e-003</b>	<b>1.2700e-003</b>	<b>236.4952</b>

### 5.3 Energy by Land Use - Electricity

#### Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments Mid Rise	270744	136.9708	3.5600e-003	7.4000e-004	137.2740
City Park	0	0.0000	0.0000	0.0000	0.0000
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	195693	99.0021	2.5700e-003	5.3000e-004	99.2213
<b>Total</b>		<b>235.9729</b>	<b>6.1300e-003</b>	<b>1.2700e-003</b>	<b>236.4952</b>

### 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

No Hearths Installed

Use Low VOC Cleaning Supplies

	ROG	NOx	CO	SO2	Fugitive 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	1.2352	9.2600e-003	0.7955	4.0000e-005		4.3100e-003	4.3100e-003		4.3100e-003	4.3100e-003	0.0000	1.2875	1.2875	1.3100e-003	0.0000	1.3149
Unmitigated	1.2352	9.2600e-003	0.7955	4.0000e-005		4.3100e-003	4.3100e-003		4.3100e-003	4.3100e-003	0.0000	1.2875	1.2875	1.3100e-003	0.0000	1.3149

## 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	0.1860					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	1.0242					0.0000	0.0000		0.0000	0.0000	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	0.0250	9.2600e-003	0.7955	4.0000e-005		4.3100e-003	4.3100e-003		4.3100e-003	4.3100e-003	0.0000	1.2875	1.2875	1.3100e-003	0.0000	1.3149
<b>Total</b>	<b>1.2352</b>	<b>9.2600e-003</b>	<b>0.7955</b>	<b>4.0000e-005</b>		<b>4.3100e-003</b>	<b>4.3100e-003</b>		<b>4.3100e-003</b>	<b>4.3100e-003</b>	<b>0.0000</b>	<b>1.2875</b>	<b>1.2875</b>	<b>1.3100e-003</b>	<b>0.0000</b>	<b>1.3149</b>

## 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	0.1860					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	1.0242					0.0000	0.0000		0.0000	0.0000	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	0.0250	9.2600e-003	0.7955	4.0000e-005		4.3100e-003	4.3100e-003		4.3100e-003	4.3100e-003	0.0000	1.2875	1.2875	1.3100e-003	0.0000	1.3149
<b>Total</b>	<b>1.2352</b>	<b>9.2600e-003</b>	<b>0.7955</b>	<b>4.0000e-005</b>		<b>4.3100e-003</b>	<b>4.3100e-003</b>		<b>4.3100e-003</b>	<b>4.3100e-003</b>	<b>0.0000</b>	<b>1.2875</b>	<b>1.2875</b>	<b>1.3100e-003</b>	<b>0.0000</b>	<b>1.3149</b>

## 7.0 Water Detail

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### 7.1 Mitigation Measures Water

Apply Water Conservation Strategy

Install Low Flow Bathroom Faucet

Install Low Flow Kitchen Faucet

Install Low Flow Toilet

Install Low Flow Shower



	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	29.0265	0.1424	3.4900e-003	33.0999
Unmitigated	37.5257	0.1780	4.3700e-003	42.6202

## 7.2 Water by Land Use

### Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Mid Rise	4.964 / 0	34.2747	0.1626	4.0000e-003	38.9278
City Park	0 / 0	0.0000	0.0000	0.0000	0.0000
Enclosed Parking with Elevator	0 / 0	0.0000	0.0000	0.0000	0.0000
Other Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	0.47085 / 0	3.2511	0.0154	3.8000e-004	3.6924
<b>Total</b>		<b>37.5257</b>	<b>0.1780</b>	<b>4.3800e-003</b>	<b>42.6203</b>

## 7.2 Water by Land Use

### Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Mid Rise	3.9712 / 0	26.5118	0.1301	3.1900e-003	30.2323
City Park	0 / 0	0.0000	0.0000	0.0000	0.0000
Enclosed Parking with Elevator	0 / 0	0.0000	0.0000	0.0000	0.0000
Other Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	0.37668 / 0	2.5147	0.0123	3.0000e-004	2.8676
<b>Total</b>		<b>29.0265</b>	<b>0.1424</b>	<b>3.4900e-003</b>	<b>33.0999</b>

## 8.0 Waste Detail

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### 8.1 Mitigation Measures Waste

Institute Recycling and Composting Services

**Category/Year**

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	5.8340	0.3448	0.0000	13.0743
Unmitigated	11.6679	0.6896	0.0000	26.1486

**8.2 Waste by Land Use**

**Unmitigated**

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Mid Rise	47.42	9.6258	0.5689	0.0000	21.5721
City Park	0	0.0000	0.0000	0.0000	0.0000
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	10.06	2.0421	0.1207	0.0000	4.5765
<b>Total</b>		<b>11.6679</b>	<b>0.6896</b>	<b>0.0000</b>	<b>26.1486</b>

## 8.2 Waste by Land Use

### Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Mid Rise	23.71	4.8129	0.2844	0.0000	10.7861
City Park	0	0.0000	0.0000	0.0000	0.0000
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	5.03	1.0210	0.0603	0.0000	2.2882
<b>Total</b>		<b>5.8340</b>	<b>0.3448</b>	<b>0.0000</b>	<b>13.0743</b>

## 9.0 Operational Offroad

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

tblProjectCharacteristics

ProjectName	Location	Source	EMFAC_IL	WindSpeed	Precipitation	ClimateZone	Urbanization	Operation	UtilityCompany	CO2Intensity
Glenoaks	IC		LASC	2.2	33	12	Urban	2017	Glendale	V 1115.33

tblProjectCharacteristics

CH4Intens	N2OIntens	TotalPopul	TotalLotAc	UsingHistoricalEnergyUseData
0.029	0.006	198	1.2	0

tblPollutants

PollutantS	PollutantF	PollutantName
1	Reactive C	ROG
1	Nitrogen O	NOX
1	Carbon M	CO
1	Sulfur Dio	SO2
1	Particulate	PM10
1	Particulate	PM2_5
1	Fugitive P	PM10_FUG
1	Fugitive P	PM25_FUG
1	Biogenic C	CO2_BIO
1	Non-Bioge	CO2_NBIO
1	Carbon Di	CO2
1	Methane (	CH4
1	Nitrous Ox	N2O
1	CO2 Equiv	CO2E

## tblLandUse

LandUseT	LandUseS	LandUseU	LandUseS	LotAcreage	LandUseS	Population
Parking	Enclosed F	199	Space	0	0	0
Parking	Other Aspl	79.6	1000sqft	0	79600	0
Recreation	City Park	0.12	Acre	0	5401.44	0
Residential	Apartment	76	Dwelling U	1.2	185531	198
Retail	Regional S	12.9	1000sqft	0	12900	0



## tblConstructionPhase

PhaseNum	PhaseName	PhaseType	PhaseStart	PhaseEnd	NumDays	NumDays	PhaseDescription
1	Demolition	Demolition	2015/07/01	2015/08/01	5	25	
2	Site Prepa	Site Prepa	2015/08/01	2015/08/11	5	6	
3	Grading	Grading	2015/08/11	2016/01/21	5	120	
4	Building C	Building C	2016/01/21	2016/12/11	5	230	
5	Paving	Paving	2016/12/11	2016/12/21	5	10	
6	Architectur	Architectur	2016/12/21	2017/03/21	5	60	

tblOffRoadEquipment

PhaseNarr	OffRoadEc	OffRoadEc	UsageHou	HorsePow	LoadFactor
Demolition Concrete/		1	8	81	0.73
Demolition Rubber Tir		1	8	255	0.4
Demolition Tractors/Lc		2	8	97	0.37
Site Prepa Graders		1	8	174	0.41
Site Prepa Rubber Tir		1	7	255	0.4
Site Prepa Tractors/Lc		1	8	97	0.37
Grading Excavators		1	6	162	0.38
Grading Graders		1	6	174	0.41
Grading Rubber Tir		1	6	255	0.4
Grading Tractors/Lc		1	7	97	0.37
Building Cranes		1	6	226	0.29
Building Cr Forklifts		1	6	89	0.2
Building Cr Generator		1	8	84	0.74
Building Cr Tractors/Lc		1	6	97	0.37
Building Cr Welders		3	8	46	0.45
Paving Cement ar		1	6	9	0.56
Paving Pavers		1	6	125	0.42
Paving Paving Equ		1	8	130	0.36
Paving Rollers		1	7	80	0.38
Paving Tractors/Lc		0	0	97	0.37
Architectur Air Compr		1	6	78	0.48

tblTripsAndVMT

PhaseName	WorkerTrips	VendorTrips	HaulingTrips	WorkerVeh	VendorVeh	HaulingTrips	WorkerVeh	VendorVeh	HaulingVeh
Demolition	10	0	43	14.7	6.9	20	LD_Mix	HDT_Mix	HHDT
Site Prepa	8	0	0	14.7	6.9	20	LD_Mix	HDT_Mix	HHDT
Grading	10	0	3225	14.7	6.9	20	LD_Mix	HDT_Mix	HHDT
Building Co	95	24	0	14.7	6.9	20	LD_Mix	HDT_Mix	HHDT
Paving	10	0	0	14.7	6.9	20	LD_Mix	HDT_Mix	HHDT
Architectur	19	0	0	14.7	6.9	20	LD_Mix	HDT_Mix	HHDT

hicleClass

## tblOnRoadDust

PhaseName	WorkerPer	VendorPer	HaulingPe	RoadSiltLc	MaterialSil	MaterialMc	AverageVe	MeanVehicleSpeed
Demolition	100	100	100	0.1	8.5	0.5	2.4	40
Site Prepa	100	100	100	0.1	8.5	0.5	2.4	40
Grading	100	100	100	0.1	8.5	0.5	2.4	40
Building C	100	100	100	0.1	8.5	0.5	2.4	40
Paving	100	100	100	0.1	8.5	0.5	2.4	40
Architectur	100	100	100	0.1	8.5	0.5	2.4	40

tblDemolition

PhaseNarr	Demolition	DemolitionUnitAmount
Demolition Building S		9350

tblGrading

PhaseName	MaterialIm	MaterialEx	GradingSiz	ImportExp	MeanVehic	AcresOfGr	MaterialMc	MaterialMc	MaterialSilt
Site Prepa	0	0		0	7.1	1.2	7.9	12	6.9
Grading	0	25800	Cubic Yarc	0	7.1	1.2	7.9	12	6.9

tblGrading

tContent



tblArchitecturalCoating

PhaseNarr	Architectur	Architectur	EF_Reside	ConstArea	EF_Reside	ConstArea	EF_Nonre	ConstArea	EF_Nonre	ConstArea
Architectur	2008/07/0	3000/12/3	50	375700	100	125233	250	146852	250	

ConstArea\_Nonresidential\_Exterior  
48951

tblPaving

ParkingLotAcreage

## tblVehicleTrips

VehicleTrips	VehicleTrips	WD_TR	ST_TR	SU_TR	HW_TL	HS_TL	HO_TL	CC_TL	CW_TL
Apartment: Dwelling U		6.65	6.65	6.65	14.7	5.9	8.7	0	0
City Park Acre		0	0	0	0	0	0	8.4	16.6
Enclosed F Space		0	0	0	0	0	0	8.4	16.6
Other Aspl 1000sqft		0	0	0	0	0	0	8.4	16.6
Regional S 1000sqft		42.7	42.7	42.7	0	0	0	8.4	16.6

tblVehicleTrips

CNW_TL	PR_TP	DV_TP	PB_TP	HW_TTP	HS_TTP	HO_TTP	CC_TTP	CW_TTP	CNW_TTP
0	86	11	3	40.2	19.2	40.6	0	0	0
6.9	66	28	6	0	0	0	48	33	19
6.9	0	0	0	0	0	0	0	0	0
6.9	0	0	0	0	0	0	0	0	0
6.9	54	35	11	0	0	0	64.7	16.3	19

tblVehicleTrips

## tblVehicleEF

Season	EmissionT	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD
A	FleetMix	0.532559	0.058242	0.178229	0.125155	0.038934	0.006273	0.016761	0.032323
A	CH4_IDLE	0	0	0	0	0.00136	0.001102	0.007328	0.023843
A	CH4_RUN	0.012804	0.028412	0.018424	0.029581	0.017126	0.012015	0.004879	0.011197
A	CH4_STRI	0.008154	0.021532	0.011901	0.023922	0.029096	0.019057	0	0
A	CO_IDLEX	0	0	0	0	0.196198	0.162709	1.823498	2.879964
A	CO_RUNE	1.044796	2.96322	1.528151	2.396945	1.656522	1.107126	1.11029	1.829815
A	CO_STRE	1.888394	4.995586	2.832298	4.884805	5.491428	3.56456	18.59108	58.14275
A	CO2_NBIC	0	0	0	0	7.928406	8.687428	598.7027	557.7798
A	CO2_NBIC	294.0258	355.9537	428.046	563.3641	583.068	557.6927	978.8637	1638.849
A	CO2_NBIC	60.17959	71.38458	86.06154	112.9751	46.87161	34.25734	54.84425	55.02515
A	NOX_IDLE	0	0	0	0	0.033849	0.081007	5.917678	4.567347
A	NOX_RUN	0.093755	0.292193	0.174432	0.299204	1.079885	1.758175	2.781942	5.710052
A	NOX_STR	0.12219	0.283461	0.262631	0.461903	1.588789	1.112362	1.996528	3.69574
A	PM10_IDL	0	0	0	0	0.000361	0.000907	0.019577	0.010451
A	PM10_PM	0.03675	0.03675	0.03675	0.03675	0.043857	0.059006	0.111528	0.060012
A	PM10_PM	0.008	0.008	0.008	0.008	0.008716	0.009698	0.011196	0.034693
A	PM10_RU	0.002112	0.00505	0.002198	0.002586	0.007195	0.014884	0.068668	0.085038
A	PM10_STF	0.002928	0.005118	0.002955	0.003454	0.001404	0.000887	0.0025	0.001872
A	PM25_IDL	0	0	0	0	0.000332	0.000834	0.018011	0.009614
A	PM25_PM	0.01575	0.01575	0.01575	0.01575	0.018796	0.025288	0.047798	0.025719
A	PM25_PM	0.002	0.002	0.002	0.002	0.002179	0.002424	0.002799	0.008673
A	PM25_RU	0.001945	0.004662	0.002026	0.002381	0.006623	0.013693	0.063172	0.078234
A	PM25_STF	0.002698	0.004728	0.002729	0.003185	0.001286	0.000807	0.002167	0.001574
A	ROG_DIUI	0.05386	0.177699	0.070651	0.092662	0.00305	0.002	0.002782	0.001622
A	ROG_HTS	0.126752	0.326077	0.161401	0.213392	0.078404	0.05536	0.111864	0.081467
A	ROG_IDLE	0	0	0	0	0.031605	0.025442	0.157768	0.513334
A	ROG_RES	0.047951	0.138074	0.066012	0.089993	0.001875	0.001226	0.001739	0.001163
A	ROG_RUN	0.027617	0.083677	0.038004	0.071877	0.118278	0.101619	0.140391	0.254281
A	ROG_RUN	0.279015	1.141668	0.507388	0.65474	0.417976	0.305296	0.494265	0.353395
A	ROG_STR	0.142805	0.37987	0.209859	0.421637	0.513369	0.335247	1.18458	1.76946
A	SO2_IDLE	0	0	0	0	0.000086	0.000092	0.006013	0.005602
A	SO2_RUN	0.003724	0.00432	0.005075	0.006462	0.006113	0.005777	0.009898	0.016475
A	SO2_STRI	0.000769	0.000931	0.001051	0.001354	0.000595	0.000427	0.000906	0.001546
A	TOG_DIUI	0.05386	0.177699	0.070651	0.092662	0.00305	0.002	0.002782	0.001622
A	TOG_HTS	0.126752	0.326077	0.161401	0.213392	0.078404	0.05536	0.111864	0.081467
A	TOG_IDLE	0	0	0	0	0.03354	0.027183	0.179606	0.584392
A	TOG_RES	0.047951	0.138074	0.066012	0.089993	0.001875	0.001226	0.001739	0.001163
A	TOG_RUN	0.04088	0.113387	0.057045	0.102564	0.13924	0.119751	0.161575	0.290363
A	TOG_RUN	0.279015	1.141668	0.507388	0.65474	0.417976	0.305296	0.494265	0.353395
A	TOG_STR	0.152573	0.4057	0.224134	0.450328	0.548273	0.358095	1.266957	1.892563
S	FleetMix	0.532559	0.058242	0.178229	0.125155	0.038934	0.006273	0.016761	0.032323
S	CH4_IDLE	0	0	0	0	0.00136	0.001102	0.006906	0.02247
S	CH4_RUN	0.012804	0.028412	0.018424	0.029581	0.017126	0.012015	0.004879	0.011197
S	CH4_STRI	0.008154	0.021532	0.011901	0.023922	0.029096	0.019057	0	0
S	CO_IDLEX	0	0	0	0	0.196198	0.162709	1.325029	2.0927
S	CO_RUNE	1.131513	3.168873	1.652598	2.57941	1.683017	1.117375	1.118125	1.842538
S	CO_STRE	1.494206	3.959207	2.23787	3.867738	4.445338	2.90718	15.12019	47.33144
S	CO2_NBIC	0	0	0	0	7.928407	8.687429	634.2726	590.9184
S	CO2_NBIC	307.1722	370.5838	446.6046	587.4721	583.0679	557.6926	978.8637	1638.849
S	CO2_NBIC	60.17959	71.38458	86.06154	112.9751	46.87161	34.25734	54.84425	55.02515
S	NOX_IDLE	0	0	0	0	0.033849	0.081007	6.108037	4.714269

## tblVehicleEF

S	NOX_RUN	0.082298	0.254512	0.152748	0.261916	0.995766	1.65059	2.613143	5.399363
S	NOX_STR	0.113647	0.263473	0.244219	0.429512	1.527509	1.06947	1.915496	3.545296
S	PM10_IDL	0	0	0	0	0.000361	0.000907	0.016503	0.00881
S	PM10_PM	0.03675	0.03675	0.03675	0.03675	0.043857	0.059006	0.111528	0.060012
S	PM10_PM	0.008	0.008	0.008	0.008	0.008716	0.009698	0.011196	0.034693
S	PM10_RU	0.002112	0.00505	0.002198	0.002586	0.007195	0.014884	0.068668	0.085038
S	PM10_STF	0.002928	0.005118	0.002955	0.003454	0.001404	0.000887	0.0025	0.001872
S	PM25_IDL	0	0	0	0	0.000332	0.000834	0.015183	0.008105
S	PM25_PM	0.01575	0.01575	0.01575	0.01575	0.018796	0.025288	0.047798	0.025719
S	PM25_PM	0.002	0.002	0.002	0.002	0.002179	0.002424	0.002799	0.008673
S	PM25_RU	0.001945	0.004662	0.002026	0.002381	0.006623	0.013693	0.063172	0.078234
S	PM25_STF	0.002698	0.004728	0.002729	0.003185	0.001286	0.000807	0.002167	0.001574
S	ROG_DIU	0.083257	0.274831	0.109232	0.142851	0.004555	0.002986	0.004196	0.002515
S	ROG_HTS	0.130912	0.341037	0.167548	0.220419	0.081367	0.057643	0.114403	0.082622
S	ROG_IDLE	0	0	0	0	0.031605	0.025442	0.148681	0.483769
S	ROG_RES	0.068094	0.197882	0.093242	0.126268	0.002694	0.001765	0.002549	0.001769
S	ROG_RUN	0.028495	0.086905	0.039539	0.074908	0.120647	0.102472	0.141032	0.254571
S	ROG_RUN	0.264525	1.053901	0.470927	0.610003	0.404551	0.294741	0.479429	0.34784
S	ROG_STR	0.121246	0.323573	0.178876	0.3593	0.453445	0.297056	1.03108	1.521225
S	SO2_IDLE	0	0	0	0	0.000086	0.000092	0.00637	0.005934
S	SO2_RUN	0.003892	0.004502	0.005297	0.006741	0.006113	0.005777	0.009898	0.016475
S	SO2_STRI	0.000762	0.000913	0.001041	0.001336	0.000577	0.000415	0.000846	0.001369
S	TOG_DIU	0.083257	0.274831	0.109232	0.142851	0.004555	0.002986	0.004196	0.002515
S	TOG_HTS	0.130912	0.341037	0.167548	0.220419	0.081367	0.057643	0.114403	0.082622
S	TOG_IDLE	0	0	0	0	0.03354	0.027183	0.169262	0.550735
S	TOG_RES	0.068094	0.197882	0.093242	0.126268	0.002694	0.001765	0.002549	0.001769
S	TOG_RUN	0.04242	0.117603	0.059424	0.106724	0.141874	0.120744	0.162287	0.290679
S	TOG_RUN	0.264525	1.053901	0.470927	0.610003	0.404551	0.294741	0.479429	0.34784
S	TOG_STR	0.129542	0.345577	0.191044	0.383752	0.484267	0.317294	1.102698	1.626967
W	FleetMix	0.532559	0.058242	0.178229	0.125155	0.038934	0.006273	0.016761	0.032323
W	CH4_IDLE	0	0	0	0	0.00136	0.001102	0.007911	0.02574
W	CH4_RUN	0.012804	0.028412	0.018424	0.029581	0.017126	0.012015	0.004879	0.011197
W	CH4_STRI	0.008154	0.021532	0.011901	0.023922	0.029096	0.019057	0	0
W	CO_IDLE	0	0	0	0	0.196198	0.162709	2.51186	3.967137
W	CO_RUN	1.011101	2.882907	1.4803	2.325468	1.649034	1.104108	1.107875	1.826124
W	CO_STRE	1.975585	5.223946	2.96387	5.109701	5.671518	3.679289	19.26353	60.22964
W	CO2_NBIC	0	0	0	0	7.928407	8.687429	549.5824	512.017
W	CO2_NBIC	289.1562	350.5345	421.1716	554.4341	583.0679	557.6926	978.8637	1638.849
W	CO2_NBIC	60.17959	71.38458	86.06154	112.9751	46.87161	34.25734	54.84425	55.02515
W	NOX_IDLE	0	0	0	0	0.033849	0.081007	5.654801	4.364456
W	NOX_RUN	0.090912	0.283898	0.169186	0.290246	1.057684	1.725231	2.728689	5.611525
W	NOX_STR	0.124164	0.288084	0.266885	0.469385	1.602712	1.122113	2.015861	3.73163
W	PM10_IDL	0	0	0	0	0.000361	0.000907	0.023821	0.012716
W	PM10_PM	0.03675	0.03675	0.03675	0.03675	0.043857	0.059006	0.111528	0.060012
W	PM10_PM	0.008	0.008	0.008	0.008	0.008716	0.009698	0.011196	0.034693
W	PM10_RU	0.002112	0.00505	0.002198	0.002586	0.007195	0.014884	0.068668	0.085038
W	PM10_STF	0.002928	0.005118	0.002955	0.003454	0.001404	0.000887	0.0025	0.001872
W	PM25_IDL	0	0	0	0	0.000332	0.000834	0.021915	0.011699
W	PM25_PM	0.01575	0.01575	0.01575	0.01575	0.018796	0.025288	0.047798	0.025719
W	PM25_PM	0.002	0.002	0.002	0.002	0.002179	0.002424	0.002799	0.008673
W	PM25_RU	0.001945	0.004662	0.002026	0.002381	0.006623	0.013693	0.063172	0.078234
W	PM25_STF	0.002698	0.004728	0.002729	0.003185	0.001286	0.000807	0.002167	0.001574



## tblVehicleEF

W	ROG_DIUI	0.053874	0.182447	0.069536	0.090449	0.003295	0.002148	0.003027	0.001723
W	ROG_HTS	0.140539	0.371751	0.177553	0.232292	0.088425	0.062514	0.131677	0.098508
W	ROG_IDLE	0	0	0	0	0.031605	0.025442	0.170316	0.554162
W	ROG_RES	0.045967	0.132467	0.063003	0.086047	0.00187	0.001211	0.001746	0.001161
W	ROG_RUN	0.027241	0.082425	0.037411	0.070714	0.117603	0.101373	0.140199	0.254195
W	ROG_RUN	0.31389	1.355674	0.595549	0.7633	0.455662	0.334241	0.537104	0.377447
W	ROG_STR	0.147239	0.391444	0.216243	0.43448	0.525248	0.342907	1.217448	1.821252
W	SO2_IDLE	0	0	0	0	0.000086	0.000092	0.005519	0.005142
W	SO2_RUN	0.003661	0.004253	0.004993	0.006358	0.006112	0.005777	0.009897	0.016475
W	SO2_STRI	0.00077	0.000935	0.001053	0.001358	0.000598	0.000429	0.000917	0.001581
W	TOG_DIUF	0.053874	0.182447	0.069536	0.090449	0.003295	0.002148	0.003027	0.001723
W	TOG_HTS	0.140539	0.371751	0.177553	0.232292	0.088425	0.062514	0.131677	0.098508
W	TOG_IDLE	0	0	0	0	0.03354	0.027183	0.193891	0.630871
W	TOG_RES	0.045967	0.132467	0.063003	0.086047	0.00187	0.001211	0.001746	0.001161
W	TOG_RUN	0.040272	0.111791	0.056166	0.101012	0.13849	0.119466	0.161361	0.290269
W	TOG_RUN	0.31389	1.355674	0.595549	0.7633	0.455662	0.334241	0.537104	0.377447
W	TOG_STR	0.15731	0.418061	0.230952	0.464046	0.560961	0.366279	1.302125	1.947976

## tblVehicleEF

OBUS	UBUS	MCY	SBUS	MH
0.002478	0.003154	0.003685	0.000544	0.001663
0.01879	0	0	0.005444	0
0.003001	0	0	0.008147	0
0	0	0	0	0
2.366964	0	0	1.069962	0
1.199293	4.908476	20.53688	4.694955	4.009914
9.869933	8.066041	9.873445	35.85881	8.664684
563.7421	0	0	562.5478	0
1100.106	2176.867	146.8211	1112.471	647.8289
34.9542	21.11218	42.37814	125.0417	31.73622
5.547784	0	0	8.052276	0
3.739157	13.66904	1.158917	8.374457	1.381017
1.378362	0.87878	0.306341	2.332966	0.852297
0.010511	0	0	0.026779	0
0.097805	0.723255	0.036749	0.583248	0.047295
0.010609	0.008	0.008	0.011087	0.008451
0.043102	0.22147	0.000439	0.090726	0.021635
0.000775	0.000676	0.001457	0.006628	0.001382
0.00967	0	0	0.024636	0
0.041916	0.309966	0.01575	0.249963	0.020269
0.002652	0.002	0.002	0.002772	0.002113
0.039654	0.203743	0.00036	0.083431	0.019886
0.000698	0.000609	0.001169	0.005836	0.001219
0.000924	0.00445	0.925137	0.042085	1.201538
0.027547	0.082364	0.441461	0.27673	0.082704
0.404538	0	0	0.117215	0
0.000495	0.00248	0.545114	0.018856	0.501015
0.136265	0.815834	2.403502	0.438826	0.134588
0.313598	0.65009	1.458501	2.318362	2.083511
0.609944	0.591482	2.103355	2.289678	0.507185
0.005661	0	0	0.005649	0
0.011157	0.021972	0.001943	0.011321	0.006816
0.000541	0.000367	0.000667	0.001949	0.000486
0.000924	0.00445	0.925137	0.042085	1.201538
0.027547	0.082364	0.441461	0.27673	0.082704
0.460536	0	0	0.133441	0
0.000495	0.00248	0.545114	0.018856	0.501015
0.159482	0.909462	2.641208	0.488848	0.163227
0.313598	0.65009	1.458501	2.318362	2.083511
0.651533	0.631884	2.260254	2.44896	0.542399
0.002478	0.003154	0.003685	0.000544	0.001663
0.017708	0	0	0.005131	0
0.003001	0	0	0.008147	0
0	0	0	0	0
1.719934	0	0	0.777478	0
1.213607	4.943459	19.5964	4.708301	4.056928
7.996712	6.764956	8.736554	30.44128	6.855454
597.2349	0	0	595.9696	0
1100.106	2176.867	146.8211	1112.471	647.8288
34.9542	21.11218	42.37814	125.0417	31.73622
5.726244	0	0	8.311301	0

## tblVehicleEF

3.51531	12.88836	1.010787	7.88243	1.258345
1.322881	0.840818	0.29078	2.212561	0.817768
0.008861	0	0	0.022575	0
0.097805	0.723255	0.036749	0.583248	0.047295
0.010609	0.008	0.008	0.011087	0.008451
0.043102	0.22147	0.000439	0.090726	0.021635
0.000775	0.000676	0.001457	0.006628	0.001382
0.008152	0	0	0.020769	0
0.041916	0.309966	0.01575	0.249963	0.020269
0.002652	0.002	0.002	0.002772	0.002113
0.039654	0.203743	0.00036	0.083431	0.019886
0.000698	0.000609	0.001169	0.005836	0.001219
0.001333	0.006297	1.483971	0.060992	1.708734
0.028115	0.083062	0.489425	0.275319	0.082778
0.38124	0	0	0.110464	0
0.000695	0.003416	0.911202	0.027099	0.690794
0.137144	0.825592	2.333291	0.444278	0.136034
0.305095	0.603584	1.348903	2.13252	2.03428
0.538036	0.527449	1.84305	2.021751	0.429171
0.005998	0	0	0.005985	0
0.011157	0.021973	0.001926	0.011321	0.006817
0.00051	0.000345	0.000641	0.001856	0.000455
0.001333	0.006297	1.483971	0.060992	1.708734
0.028115	0.083062	0.489425	0.275319	0.082778
0.434012	0	0	0.125755	0
0.000695	0.003416	0.911202	0.027099	0.690794
0.160476	0.919771	2.567297	0.494636	0.164974
0.305095	0.603584	1.348903	2.13252	2.03428
0.574705	0.563466	1.980351	2.162197	0.45895
0.002478	0.003154	0.003685	0.000544	0.001663
0.020284	0	0	0.005877	0
0.003001	0	0	0.008147	0
0	0	0	0	0
3.260483	0	0	1.473868	0
1.195136	4.898374	20.71033	4.688587	3.994814
10.24058	8.290173	10.08177	37.264	8.999777
517.4901	0	0	516.3937	0
1100.106	2176.867	146.8211	1112.471	647.8288
34.9542	21.11218	42.37814	125.0417	31.73622
5.301338	0	0	7.694576	0
3.670386	13.40706	1.130575	8.22875	1.351936
1.391791	0.887591	0.309945	2.367789	0.860651
0.01279	0	0	0.032584	0
0.097805	0.723255	0.036749	0.583248	0.047295
0.010609	0.008	0.008	0.011087	0.008451
0.043102	0.22147	0.000439	0.090726	0.021635
0.000775	0.000676	0.001457	0.006628	0.001382
0.011767	0	0	0.029978	0
0.041916	0.309966	0.01575	0.249963	0.020269
0.002652	0.002	0.002	0.002772	0.002113
0.039654	0.203743	0.00036	0.083431	0.019886
0.000698	0.000609	0.001169	0.005836	0.001219

tblVehicleEF

0.000974	0.005213	1.015552	0.048714	1.395788
0.030179	0.103896	0.570905	0.33735	0.106353
0.436713	0	0	0.126538	0
0.000487	0.002683	0.520423	0.019712	0.525347
0.136006	0.813317	2.418451	0.437054	0.13412
0.335941	0.759368	1.720469	2.731723	2.201595
0.625773	0.603924	2.155705	2.362745	0.522956
0.005197	0	0	0.005186	0
0.011156	0.021972	0.001947	0.011321	0.006816
0.000548	0.000371	0.000672	0.001974	0.000491
0.000974	0.005213	1.015552	0.048714	1.395788
0.030179	0.103896	0.570905	0.33735	0.106353
0.497165	0	0	0.144054	0
0.000487	0.002683	0.520423	0.019712	0.525347
0.159189	0.906803	2.656938	0.486968	0.162668
0.335941	0.759368	1.720469	2.731723	2.201595
0.668445	0.645177	2.316544	2.52716	0.559269

tblRoadDust

RoadPerce	RoadSiltLc	MaterialSil	MaterialMc	MobileAve	MeanVehicleSpeed
100	0.1	4.3	0.5	2.4	40

tblWoodstoves

Woodstove Apartment:	NumberCc	NumberCa	NumberNc	NumberPe	Woodstove	Woodstove	WoodMass
	0	0	0	0	0	0	0

tblFireplaces

Fireplaces	NumberWc	NumberGa	NumberPr	NumberNo	FireplaceH	FireplaceD	FireplaceWoodMass
Apartment:	0	0	0	0	0	0	0

ROG\_EF  
1.98E-05



tblAreaCoating

Area_EF_I	Area_Resi	Area_EF_I	Area_Resi	Area_EF_I	Area_Nonr	Area_EF_I	Area_Nonr	ReapplicationRatePer
50	375700	100	125233	250	146852	250	48951	10

cent

tblLandscapeEquipment

NumberSn	NumberSummerDays
0	250

## tblEnergyUse

EnergyUse	T24E	NT24E	LightingElc	T24NG	NT24NG
Apartment:	267.12	2553.86	741.44	5523.82	1662
City Park	0	0	0	0	0
Enclosed F	3.92	0.19	2.63	0	0
Other Aspl	0	0	0	0	0
Regional S	4.9	3.23	7.04	1.21	0.49

tblWater

WaterLanc	WaterLanc	IndoorWat	OutdoorW:	ElectricityI	ElectricityI	ElectricityI	ElectricityI	SepticTanI	AerobicPe
Apartment: Dwelling U	4964000	0	0	9727	111	1272	1911	10.33	87.46
City Park Acre		0	0	9727	111	1272	1911	10.33	87.46
Enclosed F Space		0	0	9727	111	1272	1911	10.33	87.46
Other Aspl 1000sqft		0	0	9727	111	1272	1911	10.33	87.46
Regional S 1000sqft	470850	0	0	9727	111	1272	1911	10.33	87.46

tblWater

Anaerobic:	AnaDigest	AnaDigest	Cogen	Comb	Digest	Gas	Percent
2.21	100	0					
2.21	100	0					
2.21	100	0					
2.21	100	0					
2.21	100	0					

tblSolidWaste

SolidWaste	SolidWaste	SolidWaste	LandfillNo	LandfillCa	LandfillCapture	GasEnergyRecovery
Apartment: Dwelling U	47.42	6	94	0		
City Park Acre	0	6	94	0		
Enclosed F Space	0	6	94	0		
Other Aspl 1000sqft	0	6	94	0		
Regional S 1000sqft	10.06	6	94	0		

tblLandUseChange

Vegetation Vegetation AcresBegin AcresEnd CO2peracre



BroadSpec NumberOf CO2perTree

## tblConstEquipMitigation

ConstMitig	FuelType	Tier	NumberOf	TotalNumt	DPF	OxidationCatalyst
Air Compr	Diesel	Tier 3	1	1	No Change	0
Cement ar	Diesel	Tier 3	1	1	No Change	0
Concrete/l	Diesel	Tier 3	1	1	No Change	0
Cranes	Diesel	Tier 3	1	1	No Change	0
Excavators	Diesel	Tier 3	1	1	No Change	0
Forklifts	Diesel	Tier 3	1	1	No Change	0
Generator	Diesel	Tier 3	1	1	No Change	0
Graders	Diesel	Tier 3	2	2	No Change	0
Pavers	Diesel	Tier 3	1	1	No Change	0
Paving Eq	Diesel	Tier 3	1	1	No Change	0
Rollers	Diesel	Tier 3	1	1	No Change	0
Rubber Tir	Diesel	Tier 3	3	3	No Change	0
Tractors/L	Diesel	Tier 3	5	5	No Change	0
Welders	Diesel	Tier 3	3	3	No Change	0

tblConstDustMitigation

SoilStabiliz	SoilStabiliz	SoilStabiliz	ReplaceGr	ReplaceGr	ReplaceGr	WaterExpc	WaterExpc	WaterExpc	WaterExpc
0	0	0	0	0	0	1	3	61	61

tblConstDustMitigation

WaterUnp:	WaterUnp:	WaterUnp:	WaterUnp:	CleanPavedRoadPercentReduction
0	1	0	15	0

tblLandUseMitigation

ProjectSet	IncreaseD	IncreaseD	IncreaseD	IncreaseD	ImproveW	ImproveW	ImproveD	ImproveD	IncreaseTr
Urban	1	63		0	1	200	1	2.5	1

tblLandUseMitigation

IncreaseTr	IntegrateB	IntegrateB	ImprovePe	ImprovePe	ProvideTra	ProvideTra	ProvideTra	Implement	Implement
0.25	0		0		0			0	

tblLandUseMitigation

LimitParkir	LimitParkir	UnbundleF	UnbundleF	OnStreetM	OnStreetM	ProvideBR	ProvideBR	ExpandTræ	ExpandTræ
0		0		0		0		0	

tblLandUseMitigation

IncreaseTr IncreaseTr IncreaseTransitFrequencyHeadwaysPercentReduction  
0



tblCommuteMitigation

Implement Implement Implement TransitSub TransitSub TransitSub Implement Implement Workplace Workplace  
0 0 0 0

tblCommuteMitigation

Workplace	Encourage	Encourage	Encourage	Encourage	MarketCon	MarketCon	Employee\	Employee\	Employee\
	0				0		0		2

tblCommuteMitigation

ProvideRic	ProvideRic	Implement	Implement	SchoolBusProgram	PercentFamilyUsing
0		0			

tblAreaMitigation

Landscape	Landscape	Landscape	Landscape	Landscape	Landscape	UseLowVC	UseLowVC	UseLowVC	UseLowVC
0	0	0	0	0	0	1	50	1	100

tblAreaMitigation

UseLowVC	UseLowVC	UseLowVC	UseLowVC	HearthOnly	NoHearthC	UseLowVOC	CleaningSuppliesCheck
1	250	1	250	0	1	1	

tblEnergyMitigation

ExceedTitl ExceedTitl InstallHigh InstallHigh OnSiteRer KwhGener KwhGener PercentOfl PercentOfElectricityUs

seGenerated

tblApplianceMitigation

Appliance	Appliance	PercentImprovement
ClothWasher		30
DishWasher		15
Fan		50
Refrigerator		15



tblWaterMitigation

ApplyWate	ApplyWate	ApplyWate	UseReclaii	PercentOu	PercentInd	UseGreyW	PercentOu	PercentInd	InstallLowf
1	20	0	0	0	0	0	0	0	1

tblWaterMitigation

PercentRe	InstallLowf	PercentRe	InstallLowf	PercentRe	InstallLowf	PercentRe	TurfReduc	TurfReduc	TurfReduc
32	1	18	1	20	1	20	0	0	0

tblWaterMitigation

UseWaterf	UseWaterf	WaterEffici	MAWA	ETWU
0	6.1	0	0	0

tblWasteMitigation

Institute	Re Institute	Recycling And Composting Services	Waste Percent Reduction
1		50	

tblOperationalOffRoadEquipment

OperOffRc OperOffRc OperHours OperDaysI OperHorse OperLoadf OperFuelType

tblRemarks

SubModule	Phase	Narr	Season	Remarks
				1
				3
				4
				5 Architectural Coating
				5 Building Construction
				5 Demolition
				5 Grading
				5 Paving
				5 Site Preparation
				8
				9
				12
				15
				21
				22
				25
				27
				29
				32
				33

tblRemarks

unit

onal trips

s all outdoor water use/landscaping and city park





September 18, 2014

Project No: 14-441

American General Design  
139 S. Los Robles Avenue, Suite 106  
Pasadena, California 91101

Subject: Preliminary Site assessment, Phase I  
Existing Vacant Restaurant  
1407 W. Glenoaks Boulevard  
Glendale, California

This report presents the results of a preliminary environmental evaluation of the subject site by Advanced Geotechniques (AG). The preliminary environmental evaluation of referenced property was performed on July 31, 2014, by conducting a site inspection on behalf of American general design (Client).

The purpose of a "preliminary environmental evaluation" is to determine if environmental or toxic hazard has impacted, or is suspected of impacting a specific parcel of real property. This is accomplished by observing the property and its surroundings, and by studying available records of prior activities on the site and in the vicinity area. Specifically, a search of government agency records was conducted to determine the previous use of referenced property and if hazardous activity had been noted on-site. Available archival aerial photographs and the Sanborn Fire Insurance Maps are reviewed to determine if ponds, disposal sites or presently unknown structures once existed at the property.

Sampling of soil is not a part of a preliminary evaluation, Samples of structural materials may be obtained if doing so is in the best interest of Client.

The evaluation was conducted by Advanced Geotechniques, Peter Pailian, Associate Engineer with oversight by Ara Jitechian, Professional Engineer. Our findings

are documented in the accompanying Environmental Report, a comprehensive description of the results of the evaluation. We state any recommendations for further services which we believe are warranted. The report is functionally organized as follows:

o **Detections:** The Detections are statements of fact about or associated with the property. They represent the distillate of the *due diligence* effort conducted by AG on behalf of Client.

o **Executive Summary:** The Summary is an overview of the Report. It is a narrative, discussing any Findings likely to impact the property.

o **Property Description:** AG describes the property setting, physical features, unpaved area or broken surface membrane where contaminants can enter the ground.

o **Service Rendered and Results:** The specific services which were provided by AG are detailed. The records searched, tests conducted and results of the site inspection are discussed.

o **Conclusions and Recommendations:** Based upon the Results of the investigation, AG states its Conclusions. Generally, these statements are our opinion. Any applicable facts which materially affect our opinion are so stated. Additional services are recommended when doing so is in the best interest of Client.

o **Appendices:** Information relating to identified hazardous sites within one mile of referenced property is provided as are copies of substantiating documentation obtained from governmental agencies or other sources. Any data generated by AG; photographs and Hazardous Sites are presented here. The available documentation is provided to give Client easy access to information considered in developing the Report.

AG does not disclaim or deny our Findings. All results and findings are based upon the sources identified or mentioned in the Report. Statements of opinion are based upon professional judgment. If a finding must be qualified the reason is stated as well as what additional information is needed to resolve the matter.

Respectfully Submitted

**ADVANCED GEOTECHNIQUES**

---

Peter Pailian  
Associate Engineer

Reviewed By:

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CEM

DRAFT

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**PRELIMINARY ENVIRONMENTAL EVALUATION**  
**EXISTING SHOPPING CENTER AND OFFICE BUILDING**  
1407 W. Glenoaks Boulevard  
**GLENDALE, CALIFORNIA**

**1.0 Introduction**

**DETECTIONS:**

1. Client has exercised due diligence in obtaining an impartial, third party preliminary evaluation of referenced property.
2. Referenced property consists of one building ( a restaurant ).
3. Formaldehyde, identified as a potential carcinogen, is common in materials of construction in buildings erected subsequent to about 1950. Presently, the potential for health hazard at referenced property due to formaldehyde is nil.
4. Based solely upon the age of the buildings on-site, polychlorinated biphenyl compounds (PCBs) could not be present in overhead fluorescent lighting fixtures.
5. Friable asbestos (e.g., can be crumbled to dust by hand pressure) was not identified within the building.
6. No underground fuel storage tanks were identified at referenced property. However, However there is a grease classifier
7. No drums were identified at referenced property that was being stored as temporary .
8. No pollution control equipment such as waste water clarifier was identified on-site.
9. Three sites were identified as hazardous within 1/8 mile of the property.
10. Four sites were identified as hazardous within 1/4 mile of the property.
11. Fifteen sites were identified as hazardous within 1/2 mile of the property.
12. Fifty-three sites were identified as hazardous within one mile of the property.
13. No violation of environmental regulations against referenced property has been found in agency records searched to date (Los Angeles County, California ).

14. The closest off-site leaking underground fuel storage tank site is Al Sal Oil # 6 at 1501 Glenoaks Boulevard approximately 233 feet west of the subject property.
15. Potential for soil contamination may be present at referenced property from previous gas station at the west of the sublet site.

## **EXECUTIVE SUMMARY**

The preliminary environmental evaluation was initiated on July 31, 2014. Referenced property consist of one parcel, approximately 1 acres in the City of Glendale, on north side of Glenoaks Boulevard between Sonora Avenue and Rosedale Avenue. The property is occupied with one story commercial buildings (for more detail see Plot Plan). Properties in the area are zoned for Commercial and residential.

Earliest available record, lists referenced property as a vacant land in 1928. In the same record, general neighborhood is portrayed as undeveloped land. The property appears to have been first developed in the mid 1935. The current building was built 1978.

Hazardous substances in materials of construction, such as lead and formaldehyde are generally not suspected at referenced property. No asbestos containing materials were detected at subject site.

At referenced property polychlorinated biphenyl compounds (PCBs), was not observed.

Three hazardous sites are within 1/4 mile of referenced property. Fourth seven hazardous sites are between 1/4 mile to one mile radius.

Evidence of USTs such as fill ports, vent lines, or dispensers were not observed on the subject property.

## **2.0 PROPERTY AND AREA INFORMATION**

### **SITE DESCRIPTION**

Referenced property is nearly rectangular in shape totaling approximately 41,263 square feet. It is located on the north side of Glenoaks between Sonora Avenue and Rosedale, California. The U. S. Geological Survey (USG) Burbank 7.5 Minute Series topographic map indicates that the property has about 527 feet above mean sea level.

The property is nearly level with a one story building. Currently the subject property is vacant.

Referenced property is in a neighborhood now occupied by commercial and residential activities.

Closest underground fuel storage tank site is Al Sal Oil #6 West (of the referenced property).

No sensitive or endangered habitat is within 1/4 mile of subject site.

### **3.0 Property Reconnaissance**

#### **SERVICES RENDERED AND RESULTS**

##### **Site Inspection**

The environmental evaluation performed for Client was preliminary, intended to determine if in-depth evaluation was required. The following services were conducted on Client's behalf:

##### **Activities conducted on-site:**

The grease retention underground tank are active.

##### **Structural Inclusions of Hazardous Materials**

###### **a. Asbestos**

The structures were observed for friable asbestos (e.g. able to be crumbled to dust by hand pressure) in interior applications. The ceilings above the drop ceiling are plywood/drywall combination. Flooring is concrete. AG recommends an asbestos survey be performed prior to any renovation or demolition of old buildings.

###### **b. Polychlorinated biphenyl compounds (PCBs)**

Fluorescent lighting equipment manufactured prior to 1976 sometimes incorporated polychlorinated biphenyl compounds (PCBs) in either capacitors or ballast dielectric. Similarly, elevator hydraulic fluids formulated prior to that year sometimes incorporated PCBs. As the structures were erected after 1976 (in 1985), it is not possible that PCBs are present in lighting equipment.

### c. Hazardous heavy metals

The hazardous heavy metals lead and mercury are often associated with property development. Lead is typically found in oil based paints. Similarly, mercury is found in overhead fluorescent lighting tubes and as organomercuric vapors in some freshly applied, water based paints is not an issue. The present coatings appear to be waterbased and fully cured.

### d. Formaldehyde

Formaldehyde based products are ubiquitous in modern structures. Ureaformaldehyde and phenolformaldehyde resins are primarily used in particle board and plywood. Formaldehyde finds application in paper production, textile treating and other coatings, and insulation foams. Formaldehyde tends to outgas from these sources for about a year after installation. In the event of fire, some formaldehyde can be released although it is more likely to be combusted as the substance is flammable in air. Formaldehyde can be detected at a concentration of about 0.05 parts per million (ppm) and has a pungent, suffocating odor. The level at which remedial action is recommended is 0.5 ppm.

Formaldehyde has been implicated as a carcinogen. The routes of exposure are inhalation, skin contact and direct ingestion. Aside from occupational exposure, individuals can be exposed to significant concentrations of formaldehyde due to construction materials and wood products, home furnishings and textiles. However, the Consumer Product Safety Commission estimated in 1989 that exposure to formaldehyde experienced by most Americans was 0.3 parts per billion. The Commission requires products containing one percent formaldehyde to carry a warning label. Importantly, formaldehyde is a sensitizer. This means that once exposed, a person becomes susceptible to its effects at reduced concentrations.

Ample ventilation is available at the at the reference property. The existing ventilation is adequate to eliminate any possible formaldehyde accumulation.

#### **3.1 Utilities**

The property is serviced by utilities. The following utility providers service the project area:

- Electric: Glendale Water and Power
- Gas: Southern California Gas Company
- Water: Glendale Water and Power
- Sanitary Sewer: Glendale Water and Power

#### **3.2 Potential PCB Sources**

Electrical equipment including transformers, capacitors and generators, and hydraulic equipment including elevators, are potential sources of PCBs.

AG did not observe transformers or other electrical equipment that would be a potential source of PCBs.



### **3.3 Above Ground Storage Tanks (ASTs)**

No surface evidence of existing or former ASTs was noted during the site visit.

### **3.4 Underground Storage Tanks (USTs)**

No surface evidence of existing or former USTs was noted during the site visit.

### **3.5 Hazardous Substances, Petroleum Products, and Unidentified Substance Containers**

At the time of the site reconnaissance, AG did not observe the usage and storage of hazardous substances or petroleum products.

AG did not note any dumpster containing metal for recycling.

AG noted small amounts cleaning supplies were noted in the office area of the Southwest gas company Service's repair building. The identified materials were properly stored and AG did not identify indications of leaks or spills associated with the storage of these materials.

### **3.6 Liquid Waste Indicators**

Liquid waste indicators include stressed vegetation; odors; pools of liquid or corrosion on soil, pavement or other surfaces; water discoloration; sheens; or free-floating product.

### **3.7 Solid Waste Indicators**

Indications of solid waste disposal include: solid waste collection containers; the presence of debris on the surface; mounding, depressions, or grading caused by non-natural sources; or fill or suspected fill from an unknown source.

AG identified several areas of solid waste collection on the property. The containers contained general domestic debris. AG did not observe staining, leakage or chemical odors at these containers that would suggest the disposal of hazardous substances or petroleum products.

### **3.8 Wastewater and Other Liquid Discharges**

Wastewater and other liquid discharges include: existing or former surface impoundment; oil/water separators; sumps; catch basins; injection wells; groundwater or wastewater treatment systems; septic systems including tanks, leach fields, and seepage pits; floor drains, compressor blowdown; exterior pipe discharges; pits; ponds; and lagoons.

AG did identify apparent oil/water liquid discharge at the rear of the restaurant.

### **3.9 Storm Water and Drainage Control Features**

AG did not note engineered storm water or drainage control features on the Property. Storm water is expected to collect in low-lying surface areas, and dissipate through infiltration to the soil, or by evaporation to the air or runoff as sheet flow to the curb and gutter collection system.

AG did not identify apparent storm water control features on the property.

### **3.10 Air Emissions**

Air emissions from a given facility may be indicated by noticeable odors or dust, laboratory hoods, exterior vents, incinerators, bag houses, and cyclones.

No air emissions were noted emanating from the property during the site visit.

### **3.11 Existing or Former Wells**

Wells can be identified through the present of: well casings extending above the ground surface; turbines or pumps installed above the well; the presence of a water storage tank, pressure tank, or water distribution piping. Water produced from wells can be utilized for irrigation; public distribution; personal consumption; or environmental or hydrological monitoring.

AG did not observe evidence of wells on the property.

## **Compliance with Prevailing Environmental Regulations**

Facility operations were critically evaluated to assess compliance with local, state and federal environmental regulations. When necessary, AG advises Client's tenant, as well as Client, of requirements to comply with appropriate regulations.

Proposition 65, a ballot initiative passed in 1986 requires establishments employing ten or more persons and which use or store hazardous materials to notify workers and others. The Waters Bill (AB 2185) requires that hazardous business plans be completed when storage of toxic or hazardous materials exceeds a given threshold.

These and other environmental regulations including the La Follette handling of acutely hazardous materials and SARA Title III (emergency planning and community right to know) appear to have been appropriately addressed at referenced property.

**DRAFT**

## 6.0 SUMMARY OF ASSESSMENT

### Specific Recommendations

AG expresses the opinion that remedial actions is required to complete Client's environmental *due diligence* responsibilities at referenced property. The potential for contamination is likely to be present from the former underground tank from nearby off-site leaking underground storage fuel tanks.

AG believes that no adverse environmental effects are suspected from the other identified hazardous sites within one mile radius of the referenced property.

No hazardous inclusion such as asbestos and lead were identified in the structural inclusions at referenced property.

AG does recommend environmental investigation at referenced property along west property at this time.

AG understands that a purpose of this property evaluation was to identify any environmental hazards for the subject property.

#### 6.4 Deviations From ASTM E1527

The following additions, deletions, and deviations from the ASTM E1527 Standard Practice are incorporated into this project.

Records detailing a 50-year chain of title were not readily available.

The format of this report has been modified from the suggested report outline contained in ASTM E1527-05 to conform to company practices and procedures.

Report format is different and adapted to individual locale.

Credentials of the environmental assessors (resumes) and of the company (Statement of Qualifications) have not been included within the report but are available upon request.

## 9.0 REFERENCES

### 9.1 Contacts

### 9.2 Reports and Publications

American Society for Testing and Materials, Standard Practice for Environmental Site Assessments: Phase I Environment Site Assessment Process, Designation E1527-05.

Environmental Data Resources Inc., (EDR); Milford, Connecticut.

United State Department of the Interior Aerial Photograph, 1952

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United States Geological Survey, Glendale NW Quadrangle 7.5-Minute series Topographic Map, 1967;

United States Geological Survey, Glendale NW Quadrangle 7.5-Minute series Topographic Map, 1967; photo revised 1984

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Kaufmann, Robert F., 1978, Land and Water Use Effects on Ground-water Quality in Glendale Valley, EPA-600/2-78-1 79, Grant No. R800946, August 1978

Malmberg, Glenn T., 1965, Available Water Supply of the Glendale Ground-Water Basin Nevada, U.S. Geological Survey, Water Supply Paper 1780, 1965

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Plume, Russell W., 1986, Ground-water Conditions in Glendale Valley, Clark County, Nevada, United States Geological Survey, Water Supply Paper 2320, February 13, 1986

Wyman, Richard V., Moses Karakouzian, Virginia Bax-Valentine, D. Burton Siemmons, Larry Peterson, Sam Palmer, Geology of Glendale, California, United States of America, Bulletin of the Association of Engineering Geologists, Vol. 30, 1993

Zikmund, Kimberly S., 1996, Extent and Potential Use of the Shallow Aquifer and Wash Flow in Glendale Valley, California, Southern California Water Authority, Resources Department, 1996.

### **LIMITATIONS**

Advanced Geotechniques work was performed in a professional manner with the best interests of our client in mind. Our objective was to perform our work with care, exercising the customary skill and competence of consulting professionals in the relevant disciplines. The conclusions presented in this report are professional opinions based solely upon visual observations of the site and vicinity and our interpretation of the available historical information and documents reviewed. The opinions and recommendations presented herein apply to site conditions existing at the time of our investigation and those reasonably foreseeable. Pioneer Soils Engineering cannot act as insurers, and no expressed or implied representation or warranty is included or intended in our report except that our work was performed, within the limits prescribed by our clients, with the customary thoroughness and competence of our profession at the time and place the services were rendered.

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# **APPENDIX I**

**Agency file data**

# **APPENDIX II**

## **Summary of Environmental Data**

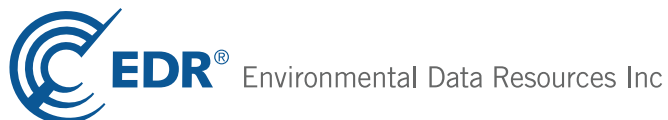


**Glenoaks**

1407 W. Glenoaks Boulevard  
Glendale, CA 91201

Inquiry Number: 3960998.2s  
June 02, 2014

**The EDR Radius Map™ Report with GeoCheck®**



6 Armstrong Road, 4th floor  
Shelton, CT 06484  
Toll Free: 800.352.0050  
[www.edrnet.com](http://www.edrnet.com)

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***Thank you for your business.***  
 Please contact EDR at 1-800-352-0050  
 with any questions or comments.

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## EXECUTIVE SUMMARY

A search of available environmental records was conducted by Environmental Data Resources, Inc (EDR). The report was designed to assist parties seeking to meet the search requirements of EPA's Standards and Practices for All Appropriate Inquiries (40 CFR Part 312), the ASTM Standard Practice for Environmental Site Assessments (E 1527-13) or custom requirements developed for the evaluation of environmental risk associated with a parcel of real estate.

### TARGET PROPERTY INFORMATION

#### ADDRESS

1407 W. GLENOAKS BOULEVARD  
GLENDALE, CA 91201

#### COORDINATES

Latitude (North): 34.1680000 - 34° 10' 4.80"  
Longitude (West): 118.2847000 - 118° 17' 4.92"  
Universal Transverse Mercator: Zone 11  
UTM X (Meters): 381588.4  
UTM Y (Meters): 3781334.5  
Elevation: 527 ft. above sea level

#### USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property Map: 34118-B3 BURBANK, CA  
Most Recent Revision: 1994

#### AERIAL PHOTOGRAPHY IN THIS REPORT

Photo Year: 2012  
Source: USDA

### TARGET PROPERTY SEARCH RESULTS

The target property was not listed in any of the databases searched by EDR.

### DATABASES WITH NO MAPPED SITES

No mapped sites were found in EDR's search of available ("reasonably ascertainable ") government records either on the target property or within the search radius around the target property for the following databases:

### STANDARD ENVIRONMENTAL RECORDS

#### ***Federal NPL site list***

Proposed NPL..... Proposed National Priority List Sites

## EXECUTIVE SUMMARY

NPL LIENS..... Federal Superfund Liens

### ***Federal Delisted NPL site list***

Delisted NPL..... National Priority List Deletions

### ***Federal CERCLIS list***

FEDERAL FACILITY..... Federal Facility Site Information listing

### ***Federal RCRA CORRACTS facilities list***

CORRACTS..... Corrective Action Report

### ***Federal RCRA non-CORRACTS TSD facilities list***

RCRA-TSDF..... RCRA - Treatment, Storage and Disposal

### ***Federal RCRA generators list***

RCRA-LQG..... RCRA - Large Quantity Generators

RCRA-CESQG..... RCRA - Conditionally Exempt Small Quantity Generator

### ***Federal institutional controls / engineering controls registries***

US INST CONTROL..... Sites with Institutional Controls

LUCIS..... Land Use Control Information System

### ***Federal ERNS list***

ERNS..... Emergency Response Notification System

### ***State- and tribal - equivalent NPL***

RESPONSE..... State Response Sites

### ***State and tribal leaking storage tank lists***

INDIAN LUST..... Leaking Underground Storage Tanks on Indian Land

### ***State and tribal registered storage tank lists***

AST..... Aboveground Petroleum Storage Tank Facilities

INDIAN UST..... Underground Storage Tanks on Indian Land

FEMA UST..... Underground Storage Tank Listing

### ***State and tribal voluntary cleanup sites***

INDIAN VCP..... Voluntary Cleanup Priority Listing

VCP..... Voluntary Cleanup Program Properties

## **ADDITIONAL ENVIRONMENTAL RECORDS**

### ***Local Brownfield lists***

US BROWNFIELDS..... A Listing of Brownfields Sites

## EXECUTIVE SUMMARY

### **Local Lists of Landfill / Solid Waste Disposal Sites**

ODI.....	Open Dump Inventory
DEBRIS REGION 9.....	Torres Martinez Reservation Illegal Dump Site Locations
WMUDS/SWAT.....	Waste Management Unit Database
HAULERS.....	Registered Waste Tire Haulers Listing
INDIAN ODI.....	Report on the Status of Open Dumps on Indian Lands

### **Local Lists of Hazardous waste / Contaminated Sites**

US CDL.....	Clandestine Drug Labs
SCH.....	School Property Evaluation Program
Toxic Pits.....	Toxic Pits Cleanup Act Sites
AOCONCERN.....	San Gabriel Valley Areas of Concern
CDL.....	Clandestine Drug Labs
US HIST CDL.....	National Clandestine Laboratory Register

### **Local Land Records**

LIENS 2.....	CERCLA Lien Information
LIENS.....	Environmental Liens Listing
DEED.....	Deed Restriction Listing

### **Records of Emergency Release Reports**

HMIRS.....	Hazardous Materials Information Reporting System
CHMIRS.....	California Hazardous Material Incident Report System
LDS.....	Land Disposal Sites Listing
MCS.....	Military Cleanup Sites Listing
SPILLS 90.....	SPILLS 90 data from FirstSearch

### **Other Ascertainable Records**

DOT OPS.....	Incident and Accident Data
DOD.....	Department of Defense Sites
CONSENT.....	Superfund (CERCLA) Consent Decrees
UMTRA.....	Uranium Mill Tailings Sites
US MINES.....	Mines Master Index File
TRIS.....	Toxic Chemical Release Inventory System
TSCA.....	Toxic Substances Control Act
FTTS.....	FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
HIST FTTS.....	FIFRA/TSCA Tracking System Administrative Case Listing
SSTS.....	Section 7 Tracking Systems
ICIS.....	Integrated Compliance Information System
PADS.....	PCB Activity Database System
MLTS.....	Material Licensing Tracking System
RADINFO.....	Radiation Information Database
FINDS.....	Facility Index System/Facility Registry System
RAATS.....	RCRA Administrative Action Tracking System
RMP.....	Risk Management Plans
CA BOND EXP. PLAN.....	Bond Expenditure Plan
UIC.....	UIC Listing
NPDES.....	NPDES Permits Listing

## EXECUTIVE SUMMARY

CUPA Listings.....	CUPA Resources List
Notify 65.....	Proposition 65 Records
LA Co. Site Mitigation.....	Site Mitigation List
LOS ANGELES CO. HMS.....	HMS: Street Number List
ENF.....	Enforcement Action Listing
HAZNET.....	Facility and Manifest Data
EMI.....	Emissions Inventory Data
INDIAN RESERV.....	Indian Reservations
SCRD DRYCLEANERS.....	State Coalition for Remediation of Drycleaners Listing
PRP.....	Potentially Responsible Parties
WDS.....	Waste Discharge System
LEAD SMELTERS.....	Lead Smelter Sites
2020 COR ACTION.....	2020 Corrective Action Program List
EPA WATCH LIST.....	EPA WATCH LIST
PROC.....	Certified Processors Database
Financial Assurance.....	Financial Assurance Information Listing
PCB TRANSFORMER.....	PCB Transformer Registration Database
HWP.....	EnviroStor Permitted Facilities Listing
COAL ASH EPA.....	Coal Combustion Residues Surface Impoundments List
US FIN ASSUR.....	Financial Assurance Information
HWT.....	Registered Hazardous Waste Transporter Database
COAL ASH DOE.....	Steam-Electric Plant Operation Data
MWMP.....	Medical Waste Management Program Listing
US AIRS.....	Aerometric Information Retrieval System Facility Subsystem

### EDR HIGH RISK HISTORICAL RECORDS

#### ***EDR Exclusive Records***

EDR MGP..... EDR Proprietary Manufactured Gas Plants

### EDR RECOVERED GOVERNMENT ARCHIVES

#### ***Exclusive Recovered Govt. Archives***

RGA LF..... Recovered Government Archive Solid Waste Facilities List  
RGA LUST..... Recovered Government Archive Leaking Underground Storage Tank

### SURROUNDING SITES: SEARCH RESULTS

Surrounding sites were identified in the following databases.

Elevations have been determined from the USGS Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified. Sites with an elevation equal to or higher than the target property have been differentiated below from sites with an elevation lower than the target property.

Page numbers and map identification numbers refer to the EDR Radius Map report where detailed data on individual sites can be reviewed.

Sites listed in ***bold italics*** are in multiple databases.

Unmappable (orphan) sites are not considered in the foregoing analysis.

## EXECUTIVE SUMMARY

### STANDARD ENVIRONMENTAL RECORDS

#### ***Federal NPL site list***

NPL: Also known as Superfund, the National Priority List database is a subset of CERCLIS and identifies over 1,200 sites for priority cleanup under the Superfund program. The source of this database is the U.S. EPA.

A review of the NPL list, as provided by EDR, and dated 10/25/2013 has revealed that there is 1 NPL site within approximately 1 mile of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<b>SAN FERNANDO VALLEY (AREA 2)</b>	<b>CRYSTAL SPRINGS WELLFIE S 1/8 - 1/4 (0.166 mi.)</b>		<b>0</b>	<b>8</b>

#### ***Federal CERCLIS list***

CERCLIS: The Comprehensive Environmental Response, Compensation and Liability Information System contains data on potentially hazardous waste sites that have been reported to the USEPA by states, municipalities, private companies and private persons, pursuant to Section 103 of the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA). CERCLIS contains sites which are either proposed to or on the National Priorities List (NPL) and sites which are in the screening and assessment phase for possible inclusion on the NPL.

A review of the CERCLIS list, as provided by EDR, and dated 10/25/2013 has revealed that there is 1 CERCLIS site within approximately 0.5 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<b>SAN FERNANDO VALLEY (AREA 2)</b>	<b>CRYSTAL SPRINGS WELLFIE S 1/8 - 1/4 (0.166 mi.)</b>		<b>0</b>	<b>8</b>

#### ***Federal CERCLIS NFRAP site List***

CERC-NFRAP: Archived sites are sites that have been removed and archived from the inventory of CERCLIS sites. Archived status indicates that, to the best of EPA's knowledge, assessment at a site has been completed and that EPA has determined no further steps will be taken to list this site on the National Priorities List (NPL), unless information indicates this decision was not appropriate or other considerations require a recommendation for listing at a later time. This decision does not necessarily mean that there is no hazard associated with a given site; it only means that, based upon available information, the location is not judged to be a potential NPL site.

A review of the CERC-NFRAP list, as provided by EDR, and dated 10/25/2013 has revealed that there are 2 CERC-NFRAP sites within approximately 0.5 miles of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
PACIFIC AIRMOTIVE	6265 SAN FERNANDO RD	SSW 1/4 - 1/2 (0.259 mi.)	K75	98
AIR PRODUCTS & CHEMICALS INC	6505 SAN FERNANDO RD	W 1/4 - 1/2 (0.304 mi.)	N80	114

## EXECUTIVE SUMMARY

### ***Federal RCRA generators list***

RCRA-SQG: RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month.

A review of the RCRA-SQG list, as provided by EDR, and dated 03/11/2014 has revealed that there are 4 RCRA-SQG sites within approximately 0.25 miles of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<b>RIO CLEANERS</b>	<b>1427 W GLEN OAKS BLVD S</b>	<b>WSW 0 - 1/8 (0.007 mi.)</b>	<b>A3</b>	<b>46</b>
<b>BROADWAY TYPESETTING INC</b>	<b>1220 W GLENOAKS BL #105</b>	<b>SE 1/8 - 1/4 (0.209 mi.)</b>	<b>F41</b>	<b>79</b>
<b>UNITED AUTO REPAIR INC</b>	<b>1213 W GLENUAKS BLVD</b>	<b>SE 1/8 - 1/4 (0.217 mi.)</b>	<b>I47</b>	<b>83</b>
<b>BEST AUTO ELECTRIC</b>	<b>6316 SAN FERNANDO RD</b>	<b>SW 1/8 - 1/4 (0.227 mi.)</b>	<b>J58</b>	<b>90</b>

### ***Federal institutional controls / engineering controls registries***

US ENG CONTROLS: A listing of sites with engineering controls in place.

A review of the US ENG CONTROLS list, as provided by EDR, and dated 12/17/2013 has revealed that there is 1 US ENG CONTROLS site within approximately 0.5 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<b>SAN FERNANDO VALLEY (AREA 2)</b>	<b>CRYSTAL SPRINGS WELLFIE S 1/8 - 1/4 (0.166 mi.)</b>		<b>0</b>	<b>8</b>

### ***State- and tribal - equivalent CERCLIS***

ENVIROSTOR: The Department of Toxic Substances Control's (DTSC's) Site Mitigation and Brownfields Reuse Program's (SMBRP's) EnviroStor database identifies sites that have known contamination or sites for which there may be reasons to investigate further. The database includes the following site types: Federal Superfund sites (National Priorities List (NPL)); State Response, including Military Facilities and State Superfund; Voluntary Cleanup; and School sites. EnviroStor provides similar information to the information that was available in CalSites, and provides additional site information, including, but not limited to, identification of formerly-contaminated properties that have been released for reuse, properties where environmental deed restrictions have been recorded to prevent inappropriate land uses, and risk characterization information that is used to assess potential impacts to public health and the environment at contaminated sites.

A review of the ENVIROSTOR list, as provided by EDR, and dated 05/05/2014 has revealed that there are 9 ENVIROSTOR sites within approximately 1 mile of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<b>SAN FERNANDO VALLEY (AREA 2)</b> Status: Active	<b>CRYSTAL SPRINGS WELLFIE S 1/8 - 1/4 (0.166 mi.)</b>		<b>0</b>	<b>8</b>
<b>HASKEL INC</b> Status: Refer: RWQCB	<b>100 E GRAHAM PL</b>	<b>WNW 1/2 - 1 (0.872 mi.)</b>	<b>102</b>	<b>177</b>
<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<b>AIR CONDITIONING CO INC</b> Status: Refer: RWQCB	<b>6265 SAN FERNANDO RD</b>	<b>SSW 1/4 - 1/2 (0.259 mi.)</b>	<b>K76</b>	<b>99</b>



## EXECUTIVE SUMMARY

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<b>AIR PRODUCTS &amp; CHEMICALS INC</b> Status: No Further Action	<b>6505 SAN FERNANDO ROAD</b>	<b>W 1/4 - 1/2 (0.304 mi.)</b>	<b>N79</b>	<b>113</b>
GRAND CENTRAL AIR TERMINAL Status: Inactive - Needs Evaluation		SSW 1/2 - 1 (0.506 mi.)	97	155
<b>AUTOMATION PLATING CORP.</b> Status: Refer: Other Agency	<b>927 THOMPSON AVE</b>	<b>WNW 1/2 - 1 (0.556 mi.)</b>	<b>98</b>	<b>156</b>
<b>GCG CORP</b> Status: Refer: Other Agency	<b>608 RUBERTA AV</b>	<b>SW 1/2 - 1 (0.584 mi.)</b>	<b>99</b>	<b>166</b>
<b>AUTOMATION PLATING CORP</b> Status: Refer: Other Agency	<b>902 THOMPSON AVE</b>	<b>W 1/2 - 1 (0.590 mi.)</b>	<b>100</b>	<b>170</b>
<b>CITY OF GLENDALE GRAYSON POWER</b> Status: Refer: Other Agency	<b>800 AIR WAY</b>	<b>SSE 1/2 - 1 (0.791 mi.)</b>	<b>101</b>	<b>173</b>

### **State and tribal landfill and/or solid waste disposal site lists**

SWF/LF: The Solid Waste Facilities/Landfill Sites records typically contain an inventory of solid waste disposal facilities or landfills in a particular state. The data come from the Integrated Waste Management Board's Solid Waste Information System (SWIS) database.

A review of the SWF/LF list, as provided by EDR, and dated 05/19/2014 has revealed that there is 1 SWF/LF site within approximately 0.5 miles of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
GRAND CENTRAL AIRPORT	1101 AIR WAY	S 1/4 - 1/2 (0.446 mi.)	R90	143

### **State and tribal leaking storage tank lists**

LUST: The Leaking Underground Storage Tank Incident Reports contain an inventory of reported leaking underground storage tank incidents. The data come from the State Water Resources Control Board Leaking Underground Storage Tank Information System.

A review of the LUST list, as provided by EDR, and dated 05/01/2014 has revealed that there are 8 LUST sites within approximately 0.5 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<b>AL SAL OIL #6</b> Status: Open - Assessment & Interim Remedial Action	<b>1501 GLENOAKS BLVD W</b>	<b>WNW 0 - 1/8 (0.044 mi.)</b>	<b>A16</b>	<b>57</b>
MOBIL #18-L5E (FORMER) Status: Completed - Case Closed	1700 GLENOAKS BLVD W.	NW 1/4 - 1/2 (0.339 mi.)	O81	115
<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<b>AIR CONDITIONING CO INC</b> Status: Completed - Case Closed	<b>6265 SAN FERNANDO RD</b>	<b>SSW 1/4 - 1/2 (0.259 mi.)</b>	<b>K76</b>	<b>99</b>
<b>STANDARD OIL SERVICE (FORMER)</b> Status: Completed - Case Closed	<b>6550 SAN FERNANDO RD</b>	<b>W 1/4 - 1/2 (0.366 mi.)</b>	<b>Q84</b>	<b>125</b>

## EXECUTIVE SUMMARY

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<b>KT'S KITCHENS</b>	<b>830 SONORA AVE</b>	<b>SW 1/4 - 1/2 (0.391 mi.)</b>	<b>P85</b>	<b>128</b>
<b>K.T'S KITCHENS</b>	<b>830 SONORA AVE</b>	<b>SW 1/4 - 1/2 (0.391 mi.)</b>	<b>P86</b>	<b>129</b>
Status: Completed - Case Closed				
<b>MOBIL #18-LLR</b>	<b>989 WESTERN AVE W</b>	<b>W 1/4 - 1/2 (0.416 mi.)</b>	<b>Q87</b>	<b>130</b>
Status: Open - Remediation				
<b>SEPULVEDA ANG - SEPULVEDA ANG</b>		<b>SSE 1/4 - 1/2 (0.423 mi.)</b>	<b>R88</b>	<b>141</b>

SLIC: SLIC Region comes from the California Regional Water Quality Control Board.

A review of the SLIC list, as provided by EDR, and dated 05/01/2014 has revealed that there are 11 SLIC sites within approximately 0.5 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<b>EXXON #7-3233 (FORMER)</b>	<b>1075 WESTERN</b>	<b>WNW 1/4 - 1/2 (0.340 mi.)</b>	<b>O82</b>	<b>124</b>
Facility Status: Open - Inactive				

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<b>VICTORY SPORT CARS</b>	<b>6234 SAN FERNANDO RD</b>	<b>SSW 1/4 - 1/2 (0.252 mi.)</b>	<b>M74</b>	<b>97</b>
Facility Status: Open - Site Assessment				
<b>AIR CONDITIONING CO INC</b>	<b>6265 SAN FERNANDO RD</b>	<b>SSW 1/4 - 1/2 (0.259 mi.)</b>	<b>K76</b>	<b>99</b>
Facility Status: Completed - Case Closed				
<b>ALLIED SIGNAL AEROSPACE CO,BE</b>	<b>6218 SAN FERNANDO RD</b>	<b>S 1/4 - 1/2 (0.277 mi.)</b>	<b>78</b>	<b>112</b>
Facility Status: Open - Site Assessment				
<b>WALT DISNEY COMPANY</b>	<b>833 N. SONORA AVE.</b>	<b>SW 1/4 - 1/2 (0.341 mi.)</b>	<b>P83</b>	<b>125</b>
Facility Status: Open - Site Assessment				
<b>PONAM LTD., INC.</b>	<b>6618 SAN FERNANDO</b>	<b>WNW 1/4 - 1/2 (0.449 mi.)</b>	<b>S91</b>	<b>144</b>
Facility Status: Open - Site Assessment				
<b>MULTICOLOR PRINTER</b>	<b>6623 SAN FERNANDO RD. #</b>	<b>W 1/4 - 1/2 (0.453 mi.)</b>	<b>S92</b>	<b>146</b>
Facility Status: Open - Site Assessment				
<b>JOHN &amp; THERESA IPPOLITO TRUST</b>	<b>1706 STANDARD AVENUE</b>	<b>W 1/4 - 1/2 (0.464 mi.)</b>	<b>93</b>	<b>146</b>
Facility Status: Open - Remediation				
<b>PENNOYER - DODGE CO.</b>	<b>6628 SAN FERNANDO RD</b>	<b>WNW 1/4 - 1/2 (0.470 mi.)</b>	<b>S94</b>	<b>147</b>
Facility Status: Open - Site Assessment				
<b>PENNOYER-DODGE CO</b>	<b>6634 SAN FERNANDO RD</b>	<b>WNW 1/4 - 1/2 (0.475 mi.)</b>	<b>S95</b>	<b>149</b>
Facility Status: Open - Site Assessment				
<b>PENNOYER-DODGE CO.</b>	<b>6650 SAN FERNANDO</b>	<b>WNW 1/4 - 1/2 (0.489 mi.)</b>	<b>S96</b>	<b>153</b>
Facility Status: Open - Site Assessment				

### **State and tribal registered storage tank lists**

UST: The Underground Storage Tank database contains registered USTs. USTs are regulated under Subtitle I of the Resource Conservation and Recovery Act (RCRA). The data come from the State Water Resources Control Board's Hazardous Substance Storage Container Database.

A review of the UST list, as provided by EDR, and dated 03/17/2014 has revealed that there is 1 UST

## EXECUTIVE SUMMARY

site within approximately 0.25 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
AL SAL OIL NO.6	1501 W. GLENDALES BLVD.	WNW 0 - 1/8 (0.043 mi.)	A14	57

### ADDITIONAL ENVIRONMENTAL RECORDS

#### **Local Lists of Landfill / Solid Waste Disposal Sites**

SWRCY: A listing of recycling facilities in California.

A review of the SWRCY list, as provided by EDR, and dated 03/17/2014 has revealed that there is 1 SWRCY site within approximately 0.5 miles of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<b>WEST SIDE RECYCLING</b>	<b>6449 SAN FERNANDO ROAD</b>	<b>WSW 1/4 - 1/2 (0.267 mi.)</b>	<b>77</b>	<b>110</b>

#### **Local Lists of Hazardous waste / Contaminated Sites**

HIST Cal-Sites: Formerly known as ASPIS, this database contains both known and potential hazardous substance sites. The source is the California Department of Toxic Substance Control. No longer updated by the state agency. It has been replaced by ENVIROSTOR.

A review of the HIST Cal-Sites list, as provided by EDR, and dated 08/08/2005 has revealed that there is 1 HIST Cal-Sites site within approximately 1 mile of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<b>SAN FERNANDO VALLEY (AREA 2)</b>	<b>CRYSTAL SPRINGS WELLFIE S 1/8 - 1/4 (0.166 mi.)</b>		<b>0</b>	<b>8</b>

#### **Local Lists of Registered Storage Tanks**

CA FID UST: The Facility Inventory Database contains active and inactive underground storage tank locations. The source is the State Water Resource Control Board.

A review of the CA FID UST list, as provided by EDR, and dated 10/31/1994 has revealed that there is 1 CA FID UST site within approximately 0.25 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<b>AL SAL OIL CO., INC. #6</b>	<b>1501 W GLENOAKS BLVD</b>	<b>WNW 0 - 1/8 (0.044 mi.)</b>	<b>A17</b>	<b>67</b>

## EXECUTIVE SUMMARY

HIST UST: Historical UST Registered Database.

A review of the HIST UST list, as provided by EDR, and dated 10/15/1990 has revealed that there are 2 HIST UST sites within approximately 0.25 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
KWIK #6.	1501 W GLENOAKS BLVD	WNW 0 - 1/8 (0.041 mi.)	A12	54
<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
90328	1435 W GLENOAKS BLVD	WSW 0 - 1/8 (0.007 mi.)	A1	44

SWEEPS UST: Statewide Environmental Evaluation and Planning System. This underground storage tank listing was updated and maintained by a company contacted by the SWRCB in the early 1990's. The listing is no longer updated or maintained. The local agency is the contact for more information on a site on the SWEEPS list.

A review of the SWEEPS UST list, as provided by EDR, and dated 06/01/1994 has revealed that there are 3 SWEEPS UST sites within approximately 0.25 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<i>AL SAL OIL CO., INC. #6</i>	<i>1501 W GLENOAKS BLVD</i>	<i>WNW 0 - 1/8 (0.044 mi.)</i>	<i>A17</i>	<i>67</i>
<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<i>VERMONT MANAGEMENT CORP</i>	<i>6348 SAN FERNANDO RD</i>	<i>SW 1/8 - 1/4 (0.227 mi.)</i>	<i>J49</i>	<i>87</i>
<i>WONDER BREAD THRIFT &amp; SHOP</i>	<i>6325 SAN FERNANDO RD</i>	<i>SW 1/8 - 1/4 (0.247 mi.)</i>	<i>J70</i>	<i>95</i>

### **Other Ascertainable Records**

RCRA NonGen / NLR: RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Non-Generators do not presently generate hazardous waste.

A review of the RCRA NonGen / NLR list, as provided by EDR, and dated 03/11/2014 has revealed that there is 1 RCRA NonGen / NLR site within approximately 0.25 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<i>SALVATORE GILOTTA</i>	<i>1249 RUBERTA AVE</i>	<i>NNE 1/8 - 1/4 (0.248 mi.)</i>	<i>71</i>	<i>95</i>

FUDS: The Listing includes locations of Formerly Used Defense Sites Properties where the US Army Corps Of Engineers is actively working or will take necessary cleanup actions.

A review of the FUDS list, as provided by EDR, and dated 12/31/2012 has revealed that there is 1 FUDS site within approximately 1 mile of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
GRAND CENTRAL AIR TERMINAL		SSW 1/4 - 1/2 (0.434 mi.)	89	142

## EXECUTIVE SUMMARY

ROD: Record of Decision. ROD documents mandate a permanent remedy at an NPL (Superfund) site containing technical and health information to aid the cleanup.

A review of the ROD list, as provided by EDR, and dated 11/25/2013 has revealed that there is 1 ROD site within approximately 1 mile of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<i>SAN FERNANDO VALLEY (AREA 2)</i>	<i>CRYSTAL SPRINGS WELLFIE S 1/8 - 1/4 (0.166 mi.)</i>		<i>0</i>	<i>8</i>

Cortese: The sites for the list are designated by the State Water Resource Control Board (LUST), the Integrated Waste Board (SWF/LS), and the Department of Toxic Substances Control (Cal-Sites).

A review of the Cortese list, as provided by EDR, and dated 03/31/2014 has revealed that there is 1 Cortese site within approximately 0.5 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<i>SAN FERNANDO VALLEY (AREA 2)</i>	<i>CRYSTAL SPRINGS WELLFIE S 1/8 - 1/4 (0.166 mi.)</i>		<i>0</i>	<i>8</i>

HIST CORTESE: The sites for the list are designated by the State Water Resource Control Board [LUST], the Integrated Waste Board [SWF/LS], and the Department of Toxic Substances Control [CALSTITES]. This listing is no longer updated by the state agency.

A review of the HIST CORTESE list, as provided by EDR, and dated 04/01/2001 has revealed that there are 6 HIST CORTESE sites within approximately 0.5 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<i>AL SAL OIL #6</i>	<i>1501 GLENOAKS BLVD W</i>	<i>WNW 0 - 1/8 (0.044 mi.)</i>	<i>A16</i>	<i>57</i>
<i>EXXON #7-3233 (FORMER)</i>	<i>1075 WESTERN</i>	<i>WNW 1/4 - 1/2 (0.340 mi.)</i>	<i>O82</i>	<i>124</i>
<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<i>AIR CONDITIONING CO INC</i>	<i>6265 SAN FERNANDO RD</i>	<i>SSW 1/4 - 1/2 (0.259 mi.)</i>	<i>K76</i>	<i>99</i>
<i>STANDARD OIL SERVICE (FORMER)</i>	<i>6550 SAN FERNANDO RD</i>	<i>W 1/4 - 1/2 (0.366 mi.)</i>	<i>Q84</i>	<i>125</i>
<i>K.T'S KITCHENS</i>	<i>830 SONORA AVE</i>	<i>SW 1/4 - 1/2 (0.391 mi.)</i>	<i>P86</i>	<i>129</i>
<i>MOBIL #18-LLR</i>	<i>989 WESTERN AVE W</i>	<i>W 1/4 - 1/2 (0.416 mi.)</i>	<i>Q87</i>	<i>130</i>

DRYCLEANERS: A list of drycleaner related facilities that have EPA ID numbers. These are facilities with certain SIC codes: power laundries, family and commercial; garment pressing and cleaners' agents; linen supply; coin-operated laundries and cleaning; drycleaning plants except rugs; carpet and upholster cleaning; industrial launderers; laundry and garment services.

A review of the DRYCLEANERS list, as provided by EDR, and dated 09/10/2013 has revealed that there are 2 DRYCLEANERS sites within approximately 0.25 miles of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<i>REGENCY CLEANERS</i>	<i>1434 W GLENOAKS BLVD.</i>	<i>SW 0 - 1/8 (0.021 mi.)</i>	<i>A11</i>	<i>52</i>
<i>COURTESY CLEANERS</i>	<i>1242 1/2 W GLENOAKS BLV</i>	<i>SE 1/8 - 1/4 (0.161 mi.)</i>	<i>F37</i>	<i>77</i>

## EXECUTIVE SUMMARY

WIP: Well Investigation Program case in the San Gabriel and San Fernando Valley area.

A review of the WIP list, as provided by EDR, and dated 07/03/2009 has revealed that there are 24 WIP sites within approximately 0.25 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
R. E. WHITE Facility Status: Historical	1511 W GLENOAKS BLVD	WNW 0 - 1/8 (0.054 mi.)	C20	71
GRANDVIEW BRANCH LIBRARY Facility Status: Historical	1535 FIFTH ST	NNW 1/8 - 1/4 (0.131 mi.)	E30	75
WARNER CONSTRUCTORS Facility Status: Historical	1544 W GLENOAKS BLVD	WNW 1/8 - 1/4 (0.132 mi.)	31	75
THOMAS JEFFERSON ELEM. SCHOOL Facility Status: Historical	1540 FIFTH ST	NNW 1/8 - 1/4 (0.141 mi.)	E32	75
LARRY LARSEN MUSIC STORE Facility Status: Historical	1607 W GLENOAKS BLVD	NW 1/8 - 1/4 (0.206 mi.)	H40	79

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
F.A. SCAUONE CO. Facility Status: Historical	1428 W GLENOAKS BLVD	SW 0 - 1/8 (0.018 mi.)	A6	50
EXPRESS PRESS, INC. Facility Status: Historical	1436 W GLENOAKS BLVD	SW 0 - 1/8 (0.020 mi.)	A8	51
SCOVERN MORTUARY Facility Status: Historical	1432 W GLENOAKS BLVD	SW 0 - 1/8 (0.021 mi.)	A9	51
<b>REGENCY CLEANERS</b> Facility Status: Historical	<b>1434 W GLENOAKS BLVD.</b>	<b>SW 0 - 1/8 (0.021 mi.)</b>	<b>A11</b>	<b>52</b>
DRIER'S SANATARIUM Facility Status: Historical	1400 W GLENOAKS BLVD	SSE 0 - 1/8 (0.050 mi.)	B19	71
GLENDAL PUBLISHING CO. Facility Status: Historical	1305 W GLENOAKS BLVD	SE 0 - 1/8 (0.103 mi.)	D26	73
NORTHGLEN CHIROPRACTIC Facility Status: Historical	1306 W GLENOAKS BLVD	SE 0 - 1/8 (0.117 mi.)	D29	74
GLENDAL CYCLERY Facility Status: Historical	1250 GLENOAKS BLVD	SE 1/8 - 1/4 (0.154 mi.)	D33	75
GLENDAL PHOTO SERVICES Facility Status: Historical	1235 W GLENOAKS BLVD	SE 1/8 - 1/4 (0.161 mi.)	F36	77
BROADWAY TYPESETTING, INC. Facility Status: Historical	1220 W GLENOAKS BLVD	SE 1/8 - 1/4 (0.209 mi.)	F42	81
UNITED AUTO REPAIR Facility Status: Historical	1213 W GLENOAKS BLVD	SE 1/8 - 1/4 (0.216 mi.)	I45	82
ARMAN'S AUTO REPAIR Facility Status: Historical	6334 SAN FERNANDO RD	SW 1/8 - 1/4 (0.227 mi.)	J51	88
SOUTHWEST ELECTRICAL Facility Status: Historical	6330 SAN FERNANDO RD	SW 1/8 - 1/4 (0.227 mi.)	J55	90
<b>BEST AUTO ELECTRIC</b> Facility Status: Historical	<b>6316 SAN FERNANDO RD</b>	<b>SW 1/8 - 1/4 (0.227 mi.)</b>	<b>J58</b>	<b>90</b>
WESTERN PERFORMANCE INC Facility Status: Historical	6333 SAN FERNANDO RD	SW 1/8 - 1/4 (0.229 mi.)	J60	92
AMOUR GLASS Facility Status: Historical	6413 SAN FERNANDO RD	WSW 1/8 - 1/4 (0.242 mi.)	L64	93

## EXECUTIVE SUMMARY

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
JAMMER CYCLE Facility Status: Historical	6417 SAN FERNANDO RD	WSW 1/8 - 1/4 (0.246 mi.)	L67	94
SAMMONS COMMUNICATION Facility Status: Historical	6246 SAN FERNANDO RD	SSW 1/8 - 1/4 (0.247 mi.)	M69	94
<b>WONDER BREAD THRIFT &amp; SHOP</b> Facility Status: Historical	<b>6325 SAN FERNANDO RD</b>	<b>SW 1/8 - 1/4 (0.247 mi.)</b>	<b>J70</b>	<b>95</b>

### EDR HIGH RISK HISTORICAL RECORDS

#### ***EDR Exclusive Records***

EDR US Hist Auto Stat: EDR has searched selected national collections of business directories and has collected listings of potential gas station/filling station/service station sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include gas station/filling station/service station establishments. The categories reviewed included, but were not limited to gas, gas station, gasoline station, filling station, auto, automobile repair, auto service station, service station, etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

A review of the EDR US Hist Auto Stat list, as provided by EDR, has revealed that there are 21 EDR US Hist Auto Stat sites within approximately 0.25 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
MAIN'S PHILLIPS 66 Not reported	1501 W GLENOAKS BLVD 1400 5TH ST	WNW 0 - 1/8 (0.041 mi.) ENE 0 - 1/8 (0.043 mi.)	A13 15	55 57
BOYS RICHFIELD SERVICE Not reported	1500 W GLENOAKS BLVD 1154 SONORA AVE	WNW 0 - 1/8 (0.045 mi.) NNE 0 - 1/8 (0.064 mi.)	A18 21	69 71
KEMPER L R	1327 GRANDVIEW AV	E 1/8 - 1/4 (0.201 mi.)	G38	79
MOSHIER J F Not reported	1327 GRANDVIEW 1608 W GLENOAKS BLVD	E 1/8 - 1/4 (0.203 mi.) WNW 1/8 - 1/4 (0.210 mi.)	G39 H43	79 81

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
SMART RAY G CHEVRON STATION	1435 W GLENOAKS BLVD	WSW 0 - 1/8 (0.007 mi.)	A2	45
WILLIAMSON FRANCES E	1435 W GLENOAKS	WSW 0 - 1/8 (0.008 mi.)	A5	50
LYMP LINUS SERVICE	1436 W GLENOAKS BLVD	SW 0 - 1/8 (0.020 mi.)	A7	50
FOULKE E F	1356 W GLENOAKS BLVD	SSE 0 - 1/8 (0.081 mi.)	B23	72
GLENOAKS RADIATOR SHOP	1328 W GLENOAKS BLVD	SE 0 - 1/8 (0.101 mi.)	B25	72
NEWBERRY AUTOMOTIVE SERVICE	1213 W GLENOAKS BLVD	SE 1/8 - 1/4 (0.216 mi.)	I46	82
BOB'S TEXACO SERVICE Not reported	6348 SAN FERNANDO RD 6334 SAN FERNANDO RD	SW 1/8 - 1/4 (0.227 mi.) SW 1/8 - 1/4 (0.227 mi.)	J48 J52	84 88
AEROPLANE SERVICE STATION Not reported	1209 W GLENOAKS BLVD 6318 SAN FERNANDO RD	SE 1/8 - 1/4 (0.227 mi.) SW 1/8 - 1/4 (0.227 mi.)	I53 J56	89 90
Not reported	6316 SAN FERNANDO RD	SW 1/8 - 1/4 (0.227 mi.)	J57	90
BODHOLDT A J	6347 SAN FERNANDO RD	SW 1/8 - 1/4 (0.229 mi.)	J59	92
BOB'S TEXACO SERVICE	6248 SAN FERNANDO RD	SSW 1/8 - 1/4 (0.246 mi.)	K68	94
AIR LINES LINEN SERVICE	6240 SAN FERNANDO RD	SSW 1/8 - 1/4 (0.249 mi.)	M73	97

## EXECUTIVE SUMMARY

EDR US Hist Cleaners: EDR has searched selected national collections of business directories and has collected listings of potential dry cleaner sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include dry cleaning establishments. The categories reviewed included, but were not limited to dry cleaners, cleaners, laundry, laundromat, cleaning/laundry, wash & dry etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

A review of the EDR US Hist Cleaners list, as provided by EDR, has revealed that there are 17 EDR US Hist Cleaners sites within approximately 0.25 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
VITO S DRAPERIES & UPHOLSTERIN	1519 W GLENOAKS BLVD	WNW 0 - 1/8 (0.065 mi.)	C22	71
GLENOAKS SELF SERVICE LAUNDRY	1518 W GLENOAKS BLVD	WNW 0 - 1/8 (0.087 mi.)	C24	72
GLEN-CAL CLEANERS	1524 W GLENOAKS BLVD	WNW 0 - 1/8 (0.104 mi.)	C27	73

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
Not reported	1427 W GLENOAKS BLVD	WSW 0 - 1/8 (0.007 mi.)	A4	49
Not reported	1434 W GLENOAKS BLVD	SW 0 - 1/8 (0.021 mi.)	A10	52
ORCHID CLEANERS	1306 W GLENOAKS BLVD	SE 0 - 1/8 (0.117 mi.)	D28	74
CUSTOM DRAPERIES	1237 W GLENOAKS BLVD	SE 1/8 - 1/4 (0.158 mi.)	F34	76
THRIFTY WASH & DRY CLEANING	1244 W GLENOAKS BLVD	SE 1/8 - 1/4 (0.158 mi.)	F35	76
Not reported	1234 GRANDVIEW AVE	ESE 1/8 - 1/4 (0.215 mi.)	44	81
WERNERS CLEANING SERVICE	6340 SAN FERNANDO RD	SW 1/8 - 1/4 (0.227 mi.)	J50	87
GRAND CENTRAL CLEANERS	6330 SAN FERNANDO RD	SW 1/8 - 1/4 (0.227 mi.)	J54	89
BORDER A D	6317 SAN FERNANDO RD	SW 1/8 - 1/4 (0.229 mi.)	J61	92
Not reported	6302 SAN FERNANDO RD	SSW 1/8 - 1/4 (0.231 mi.)	K62	93
BACCHETTA A E	6414 S SAN FERNANDO R	WSW 1/8 - 1/4 (0.241 mi.)	L63	93
DELITE CLEANERS	6416 SAN FERNANDO RD	WSW 1/8 - 1/4 (0.243 mi.)	L65	93
SPEED QUEEN SELF SERICE LAUNDR	6418 SAN FERNANDO RD	WSW 1/8 - 1/4 (0.245 mi.)	L66	94
AIRLINE LINEN SERVICE	6240 SAN FERNANDO RD	SSW 1/8 - 1/4 (0.249 mi.)	M72	97

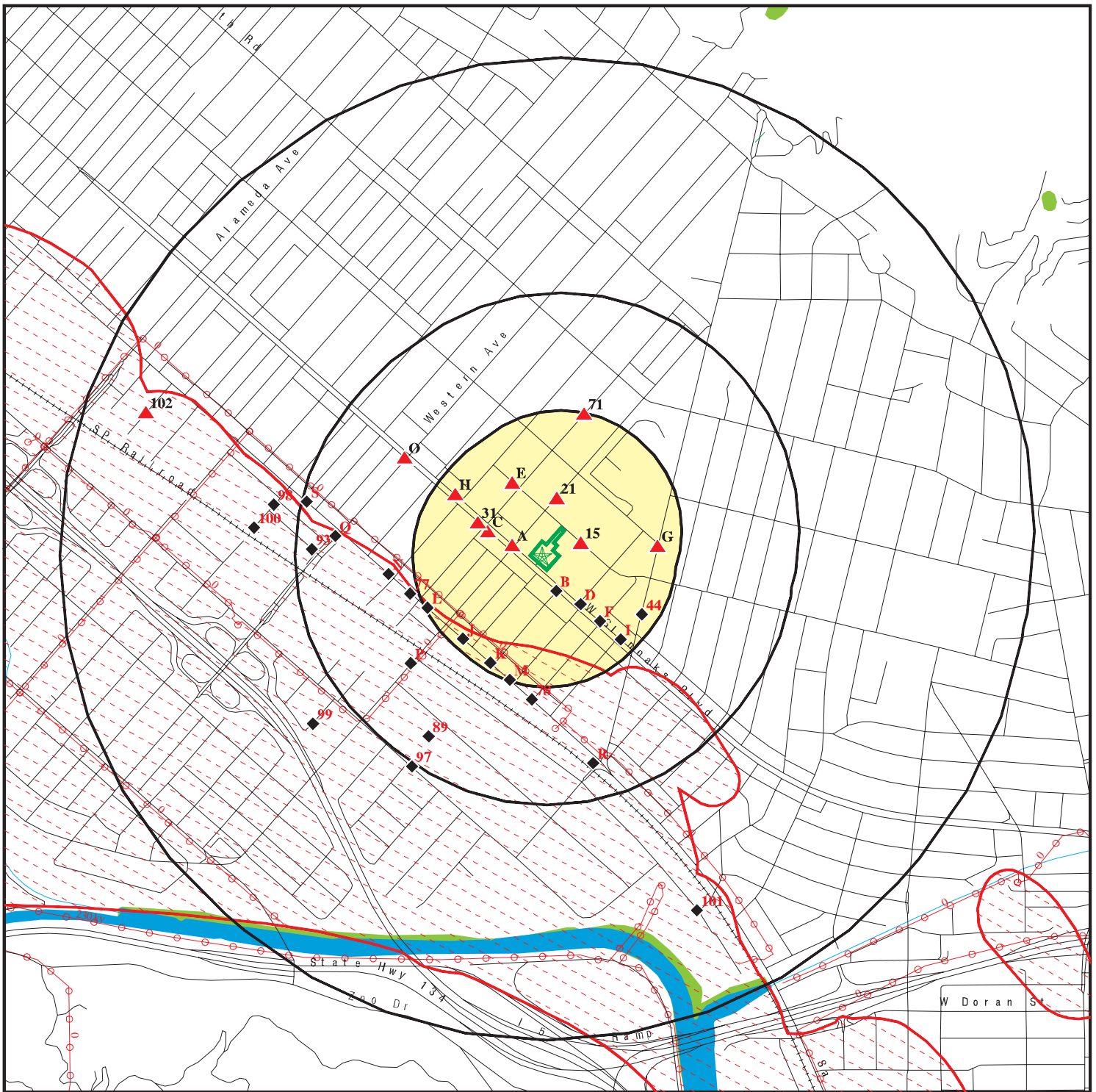


## EXECUTIVE SUMMARY

Due to poor or inadequate address information, the following sites were not mapped. Count: 10 records.

<u>Site Name</u>	<u>Database(s)</u>
ALAMEDA MANAGEMENT CO #52	HIST CORTESE
GRIFFITH PARK COMPOSTING FACILITY	SWF/LF, LDS
TOWN CENTER	CA FID UST, SWEEPS UST
KELLOGG AVENUE DUMP	SWF/LF
C J HAMENING CO	UST
BYSON	WMUDS/SWAT
IKEA PROPERTY SITE	SLIC, HAZNET
CALIFORNIA TRANSPORTATION	RCRA-SQG, HAZNET
FWY 5 HOV PROJECT FROM 5/134 SEPAR	RCRA-LQG
SERVICE STATION	WIP

# OVERVIEW MAP - 3960998.2s



Target Property

Sites at elevations higher than or equal to the target property

Sites at elevations lower than the target property

Manufactured Gas Plants

National Priority List Sites

Dept. Defense Sites

Indian Reservations BIA

Power transmission lines

Oil & Gas pipelines from USGS

100-year flood zone

500-year flood zone

National Wetland Inventory

Areas of Concern

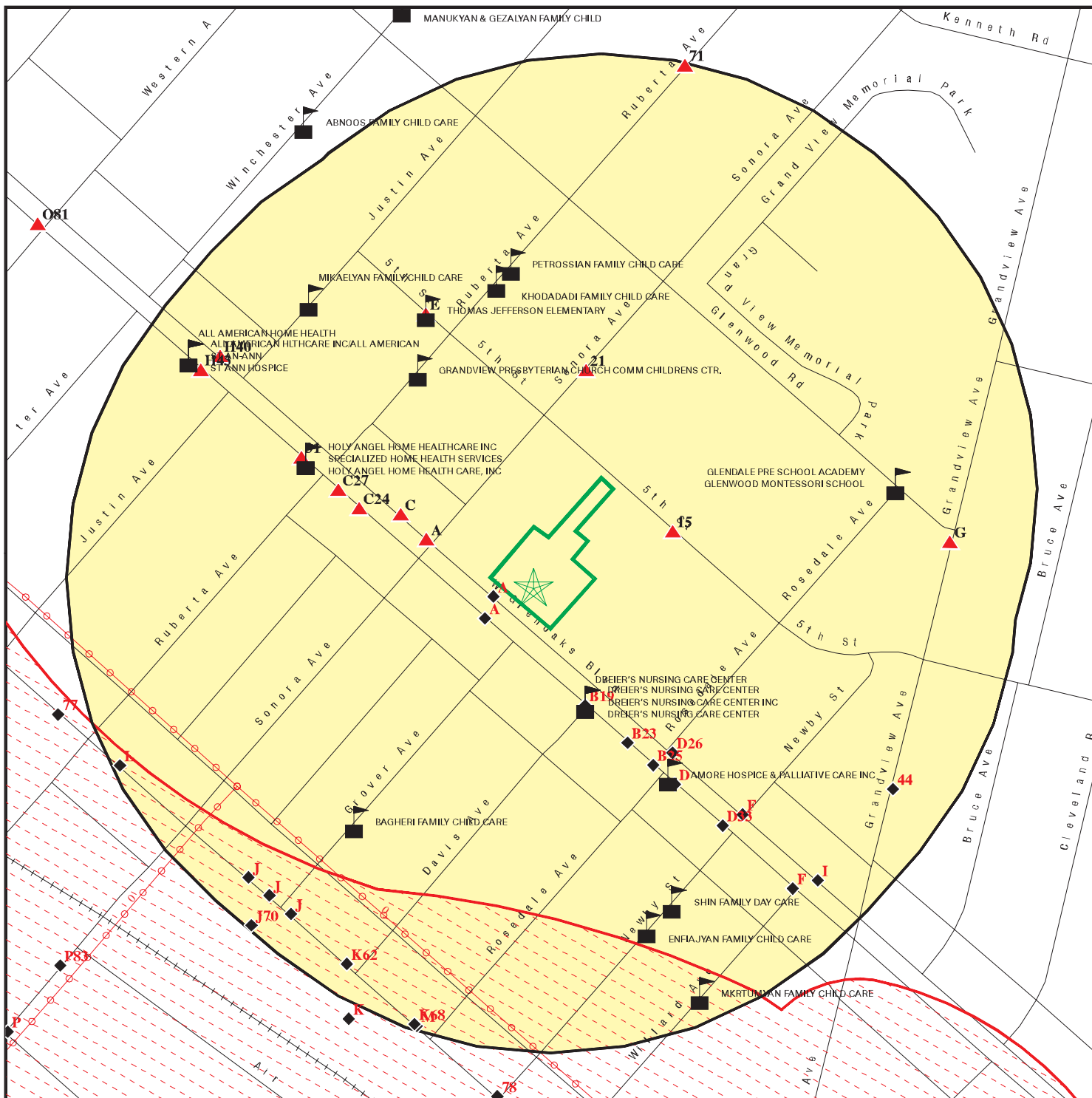
0 1/4 1/2 1 Miles

This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME: Glenoaks  
 ADDRESS: 1407 W. Glenoaks Boulevard  
 Glendale CA 91201  
 LAT/LONG: 34.168 / 118.2847

CLIENT: Advanced Geotechniques  
 CONTACT: Peter Pailian  
 INQUIRY #: 3960998.2s  
 DATE: June 02, 2014 8:33 pm

# DETAIL MAP - 3960998.2s



Target Property

Sites at elevations higher than or equal to the target property

Sites at elevations lower than the target property

Manufactured Gas Plants

Sensitive Receptors

National Priority List Sites

Dept. Defense Sites

Indian Reservations BIA

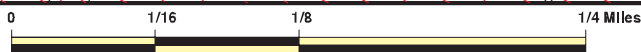
Power transmission lines

Oil & Gas pipelines from USGS

100-year flood zone

500-year flood zone

Areas of Concern



This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME: Glenoaks  
 ADDRESS: 1407 W. Glenoaks Boulevard  
 Glendale CA 91201  
 LAT/LONG: 34.168 / 118.2847

CLIENT: Advanced Geotechniques  
 CONTACT: Peter Pailian  
 INQUIRY #: 3960998.2s  
 DATE: June 02, 2014 8:33 pm

## MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
<b>STANDARD ENVIRONMENTAL RECORDS</b>								
<b><i>Federal NPL site list</i></b>								
NPL	1.000		0	1	0	0	NR	1
Proposed NPL	1.000		0	0	0	0	NR	0
NPL LIENS	TP		NR	NR	NR	NR	NR	0
<b><i>Federal Delisted NPL site list</i></b>								
Delisted NPL	1.000		0	0	0	0	NR	0
<b><i>Federal CERCLIS list</i></b>								
CERCLIS	0.500		0	1	0	NR	NR	1
FEDERAL FACILITY	0.500		0	0	0	NR	NR	0
<b><i>Federal CERCLIS NFRAP site List</i></b>								
CERC-NFRAP	0.500		0	0	2	NR	NR	2
<b><i>Federal RCRA CORRACTS facilities list</i></b>								
CORRACTS	1.000		0	0	0	0	NR	0
<b><i>Federal RCRA non-CORRACTS TSD facilities list</i></b>								
RCRA-TSDF	0.500		0	0	0	NR	NR	0
<b><i>Federal RCRA generators list</i></b>								
RCRA-LQG	0.250		0	0	NR	NR	NR	0
RCRA-SQG	0.250		1	3	NR	NR	NR	4
RCRA-CESQG	0.250		0	0	NR	NR	NR	0
<b><i>Federal institutional controls / engineering controls registries</i></b>								
US ENG CONTROLS	0.500		0	1	0	NR	NR	1
US INST CONTROL	0.500		0	0	0	NR	NR	0
LUCIS	0.500		0	0	0	NR	NR	0
<b><i>Federal ERNS list</i></b>								
ERNS	TP		NR	NR	NR	NR	NR	0
<b><i>State- and tribal - equivalent NPL RESPONSE</i></b>								
RESPONSE	1.000		0	0	0	0	NR	0
<b><i>State- and tribal - equivalent CERCLIS ENVIROSTOR</i></b>								
ENVIROSTOR	1.000		0	1	2	6	NR	9
<b><i>State and tribal landfill and/or solid waste disposal site lists</i></b>								
SWF/LF	0.500		0	0	1	NR	NR	1
<b><i>State and tribal leaking storage tank lists</i></b>								
LUST	0.500		1	0	7	NR	NR	8

## MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
SLIC	0.500		0	0	11	NR	NR	11
INDIAN LUST	0.500		0	0	0	NR	NR	0
<b>State and tribal registered storage tank lists</b>								
UST	0.250		1	0	NR	NR	NR	1
AST	0.250		0	0	NR	NR	NR	0
INDIAN UST	0.250		0	0	NR	NR	NR	0
FEMA UST	0.250		0	0	NR	NR	NR	0
<b>State and tribal voluntary cleanup sites</b>								
INDIAN VCP	0.500		0	0	0	NR	NR	0
VCP	0.500		0	0	0	NR	NR	0
<b>ADDITIONAL ENVIRONMENTAL RECORDS</b>								
<b>Local Brownfield lists</b>								
US BROWNFIELDS	0.500		0	0	0	NR	NR	0
<b>Local Lists of Landfill / Solid Waste Disposal Sites</b>								
ODI	0.500		0	0	0	NR	NR	0
DEBRIS REGION 9	0.500		0	0	0	NR	NR	0
WMUDS/SWAT	0.500		0	0	0	NR	NR	0
SWRCY	0.500		0	0	1	NR	NR	1
HAULERS	TP		NR	NR	NR	NR	NR	0
INDIAN ODI	0.500		0	0	0	NR	NR	0
<b>Local Lists of Hazardous waste / Contaminated Sites</b>								
US CDL	TP		NR	NR	NR	NR	NR	0
HIST Cal-Sites	1.000		0	1	0	0	NR	1
SCH	0.250		0	0	NR	NR	NR	0
Toxic Pits	1.000		0	0	0	0	NR	0
AOCONCERN	1.000		0	0	0	0	NR	0
CDL	TP		NR	NR	NR	NR	NR	0
US HIST CDL	TP		NR	NR	NR	NR	NR	0
<b>Local Lists of Registered Storage Tanks</b>								
CA FID UST	0.250		1	0	NR	NR	NR	1
HIST UST	0.250		2	0	NR	NR	NR	2
SWEEPS UST	0.250		1	2	NR	NR	NR	3
<b>Local Land Records</b>								
LIENS 2	TP		NR	NR	NR	NR	NR	0
LIENS	TP		NR	NR	NR	NR	NR	0
DEED	0.500		0	0	0	NR	NR	0
<b>Records of Emergency Release Reports</b>								
HMIRS	TP		NR	NR	NR	NR	NR	0
CHMIRS	TP		NR	NR	NR	NR	NR	0

## MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
LDS	TP		NR	NR	NR	NR	NR	0
MCS	TP		NR	NR	NR	NR	NR	0
SPILLS 90	TP		NR	NR	NR	NR	NR	0
<b>Other Ascertainable Records</b>								
RCRA NonGen / NLR	0.250		0	1	NR	NR	NR	1
DOT OPS	TP		NR	NR	NR	NR	NR	0
DOD	1.000		0	0	0	0	NR	0
FUDS	1.000		0	0	1	0	NR	1
CONSENT	1.000		0	0	0	0	NR	0
ROD	1.000		0	1	0	0	NR	1
UMTRA	0.500		0	0	0	NR	NR	0
US MINES	0.250		0	0	NR	NR	NR	0
TRIS	TP		NR	NR	NR	NR	NR	0
TSCA	TP		NR	NR	NR	NR	NR	0
FTTS	TP		NR	NR	NR	NR	NR	0
HIST FTTS	TP		NR	NR	NR	NR	NR	0
SSTS	TP		NR	NR	NR	NR	NR	0
ICIS	TP		NR	NR	NR	NR	NR	0
PADS	TP		NR	NR	NR	NR	NR	0
MLTS	TP		NR	NR	NR	NR	NR	0
RADINFO	TP		NR	NR	NR	NR	NR	0
FINDS	TP		NR	NR	NR	NR	NR	0
RAATS	TP		NR	NR	NR	NR	NR	0
RMP	TP		NR	NR	NR	NR	NR	0
CA BOND EXP. PLAN	1.000		0	0	0	0	NR	0
UIC	TP		NR	NR	NR	NR	NR	0
NPDES	TP		NR	NR	NR	NR	NR	0
Cortese	0.500		0	1	0	NR	NR	1
HIST CORTESE	0.500		1	0	5	NR	NR	6
CUPA Listings	0.250		0	0	NR	NR	NR	0
Notify 65	1.000		0	0	0	0	NR	0
LA Co. Site Mitigation	TP		NR	NR	NR	NR	NR	0
DRYCLEANERS	0.250		1	1	NR	NR	NR	2
WIP	0.250		8	16	NR	NR	NR	24
LOS ANGELES CO. HMS	TP		NR	NR	NR	NR	NR	0
ENF	TP		NR	NR	NR	NR	NR	0
HAZNET	TP		NR	NR	NR	NR	NR	0
EMI	TP		NR	NR	NR	NR	NR	0
INDIAN RESERV	1.000		0	0	0	0	NR	0
SCRD DRYCLEANERS	0.500		0	0	0	NR	NR	0
PRP	TP		NR	NR	NR	NR	NR	0
WDS	TP		NR	NR	NR	NR	NR	0
LEAD SMELTERS	TP		NR	NR	NR	NR	NR	0
2020 COR ACTION	0.250		0	0	NR	NR	NR	0
EPA WATCH LIST	TP		NR	NR	NR	NR	NR	0
PROC	0.500		0	0	0	NR	NR	0
Financial Assurance	TP		NR	NR	NR	NR	NR	0
PCB TRANSFORMER	TP		NR	NR	NR	NR	NR	0
HWP	1.000		0	0	0	0	NR	0
COAL ASH EPA	0.500		0	0	0	NR	NR	0

## MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
US FIN ASSUR	TP		NR	NR	NR	NR	NR	0
HWT	0.250		0	0	NR	NR	NR	0
COAL ASH DOE	TP		NR	NR	NR	NR	NR	0
MWMP	0.250		0	0	NR	NR	NR	0
US AIRS	TP		NR	NR	NR	NR	NR	0

### EDR HIGH RISK HISTORICAL RECORDS

#### *EDR Exclusive Records*

EDR MGP	1.000		0	0	0	0	NR	0
EDR US Hist Auto Stat	0.250		9	12	NR	NR	NR	21
EDR US Hist Cleaners	0.250		6	11	NR	NR	NR	17

### EDR RECOVERED GOVERNMENT ARCHIVES

#### *Exclusive Recovered Govt. Archives*

RGA LF	TP		NR	NR	NR	NR	NR	0
RGA LUST	TP		NR	NR	NR	NR	NR	0

#### NOTES:

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**NPL  
Region  
South  
1/8-1/4  
879 ft.**

**SAN FERNANDO VALLEY (AREA 2)  
CRYSTAL SPRINGS WELLFIELD AREA  
GLENDALE, CA 91209**

**NPL 1000710134  
CERCLIS CAD980894901  
US ENG CONTROLS  
ROD  
HIST Cal-Sites  
Cortese  
ENVIROSTOR  
PRP**

NPL:

EPA ID: CAD980894901  
EPA Region: 09  
Federal: N  
Final Date: 1986-06-10 00:00:00

Category Details:

NPL Status: Currently on the Final NPL  
Category Description: Depth To Aquifer-<= 10 Feet  
Category Value: 1

NPL Status: Currently on the Final NPL  
Category Description: Distance To Nearest Population-> 0 And <= 1/4 Mile  
Category Value: 10

Site Details:

Site Name: SAN FERNANDO VALLEY (AREA 2)  
Site Status: Final  
Site Zip: 91209  
Site City: GLENDALE  
Site State: CA  
Federal Site: No  
Site County: LOS ANGELES  
EPA Region: 09  
Date Proposed: 10/15/84  
Date Deleted: Not reported  
Date Finalized: 06/10/86

Substance Details:

NPL Status: Currently on the Final NPL  
Substance ID: Not reported  
Substance: Not reported  
CAS #: Not reported  
Pathway: Not reported  
Scoring: Not reported

NPL Status: Currently on the Final NPL  
Substance ID: U044  
Substance: CHLOROFORM  
CAS #: 67-66-3  
Pathway: GROUND WATER PATHWAY  
Scoring: 4

NPL Status: Currently on the Final NPL  
Substance ID: U210  
Substance: TETRACHLOROETHENE  
CAS #: 127-18-4  
Pathway: GROUND WATER PATHWAY  
Scoring: 2



Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**SAN FERNANDO VALLEY (AREA 2) (Continued)**

**1000710134**

NPL Status: Currently on the Final NPL  
Substance ID: U228  
Substance: TRICHLOROETHYLENE (TCE)  
CAS #: 79-01-6  
Pathway: GROUND WATER PATHWAY  
Scoring: 2

Summary Details:

Conditions at proposal October 15, 1984): San Fernando Valley Area 2) is an area of contaminated ground water located in the vicinity of the Crystal Springs Well Field in the Cities of Los Angeles and Glendale, Los Angeles County, California. This area is part of the San Fernando Valley Basin, a natural underground reservoir that represents an important source of drinking water for at least 3 million people in the Los Angeles metropolitan area. The contaminated ground water, which underlies an area of approximately 6,680 acres, contains trichloroethylene (TCE) and perchloroethylene (PCE), according to tests conducted by the California Department of Health Services, as well as numerous local government agencies. The State s recommended drinking water guidelines for TCE and PCE 5 and 4 parts per billion respectively) are exceeded in a number of public wells in this area. To alleviate this contamination, wells are either taken out of service or blended withwater from clean sources to ensure that the public receives water with TCE/PCE concentrations below the State s guidelines. Status June 10, 1986): EPA and the Los Angeles Department of Water and Power are entering into a cooperative agreement for a remedial investigation of the San Fernando Valley Basin and a feasibility study targeted at Area 1, the most contaminated area. The RI is scheduled to begin in early 1986.

Site Status Details:

NPL Status: Final  
Proposed Date: 10/15/1984  
Final Date: 06/10/1986  
Deleted Date: Not reported

Narratives Details:

NPL Name: SAN FERNANDO VALLEY (AREA 2)  
City: GLENDALE  
State: CA

CERCLIS:

Site ID: 0902252  
EPA ID: CAD980894901  
Facility County: LOS ANGELES  
Short Name: SAN FERNANDO VALLEY (AREA  
Congressional District: 28  
IFMS ID: 09N2  
SMSA Number: 4480  
USGC Hydro Unit: 18070105  
Federal Facility: Not a Federal Facility  
DMNSN Number: 6680.00000  
Site Orphan Flag: N  
RCRA ID: Not reported  
USGS Quadrangle: Not reported  
Site Init By Prog: Not reported  
NFRAP Flag: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**SAN FERNANDO VALLEY (AREA 2) (Continued)**

**1000710134**

Parent ID: Not reported  
RST Code: Not reported  
EPA Region: 09  
Classification: Wells  
Site Settings Code: UR  
NPL Status: Currently on the Final NPL  
DMNSN Unit Code: ACRE  
RBRAC Code: Not reported  
RResp Fed Agency Code: Not reported  
Non NPL Status: Not reported  
Non NPL Status Date: / /  
Site Fips Code: 06037  
CC Concurrence Date: / /  
CC Concurrence FY: Not reported  
Alias EPA ID: Not reported  
Site FUDS Flag: Not reported

CERCLIS Site Contact Name(s):

Contact ID: 13002904.00000  
Contact Name: Lisa Hanusiak  
Contact Tel: (415) 972-3152  
Contact Title: Remedial Project Manager (RPM)  
Contact Email: Not reported

Contact ID: 13002702.00000  
Contact Name: Zizi Searles  
Contact Tel: (415) 972-3178  
Contact Title: Remedial Project Manager (RPM)  
Contact Email: Not reported

Contact ID: 13003854.00000  
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Contact Email: Not reported

Contact ID: 13004003.00000  
Contact Name: Carl Brickner  
Contact Tel: Not reported  
Contact Title: Site Assessment Manager (SAM)  
Contact Email: Not reported

CERCLIS Site Alias Name(s):

Alias ID: 101  
Alias Name: SAN FERNANDO VLY BASIN CRYSTAL SPGS AREA  
Alias Address: Not reported  
CA  
Alias ID: 201  
Alias Name: GLENDALE OPERABLE UNIT  
Alias Address: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**SAN FERNANDO VALLEY (AREA 2) (Continued)**

**1000710134**

CA  
Alias ID: 202  
Alias Name: SAN FERNANDO VALLEY (AREA 2)  
Alias Address: CRYSTAL SPRINGS WELLFIELD AREA  
GLENDALE, CA 91209

Alias ID: 203  
Alias Name: SAN FERNANDO VALLEY (AREA 2)  
Alias Address: CRYSTAL SPRINGS WELLFIELD AREA  
LOS ANGELES/GLENDALE, CA 91209

Alias ID: 201  
Alias Comments: PREVIOUS EPA ID# AZD 981 416 977

Site Description: The Glendale Study Area is located within the San Fernando Basin. The San Fernando Basin is located within the Upper Los Angeles River Area (ULARA), which consists of the entire watershed of the Los Angeles River and its various tributaries. The San Fernando Basin covers approximately 122,800 acres and comprises 91.2 percent of the ULARA alluvial fill. It is bounded on the north and northwest by the Santa Susana Mountains, on the northeast by the San Gabriel Mountains, on the west by the Simi Hills, and on the south by the Santa Monica Mountains. The San Fernando Basin is a significant source of drinking water, with an estimated total volume of 3 million acre-feet of groundwater stored in aquifers within the alluvial fill of the basin. The groundwater of the San Fernando Basin has been used as a source of drinking water for more than 800,000 residents within the cities of Los Angeles, Burbank, Glendale, and San Fernando. Groundwater extractions within the San Fernando Basin typically provide 15 percent of Los Angeles' annual average water supply and historically have accounted for between 50 and 100 percent of the water needs of the other cities. The Glendale Study Area is in the vicinity of the Crystal Springs National Priorities List (NPL) Site, one of the four San Fernando Valley Superfund NPL sites, and is adjacent to the Los Angeles River. The Glendale Study Area includes two portions of the aquifer where high concentrations of contaminants have been identified: the North Plume and the South Plume. Although contamination has been detected throughout the Glendale Study Area in an apparently contiguous plume, differences exist between the North Plume and South Plume, including the types of contaminants detected and the concentrations of the contaminants. The Glendale North and South Plumes are separated by an area of groundwater with lower concentrations of contamination. The Glendale South OU includes the South Plume of VOC contamination and adjacent areas where contamination is known or believed to have migrated. The Glendale South OU extends south towards the Pollock Operable Unit. Some of the monitoring wells constructed to help define the extent of the Pollock OU are located within the Glendale South OU. In 1990, an analysis was performed to evaluate the need for an OU within the Crystal Springs NPL site (CH2M Hill, 1990). This analysis included a qualitative comparison based on known groundwater contamination, potential downgradient impacts and water supply. This analysis concluded that there was a need for an OU within the Crystal Springs NPL site because of the: 1) high concentrations of TCE and PCE present in groundwater, 2) critical loss of groundwater production in the Glendale area and 3) potential impact of contaminating groundwater downgradient from the Crystal Springs NPL site. Additional data collection was recommended to more adequately characterize the horizontal and vertical distribution of contamination in the aquifer, and also to improve the definition of the hydrogeology of the area. EPA conducted a remedial investigation (RI) that characterized the nature and extent of contamination in the Glendale Study Area. Upon completion of the Remedial Investigation Report for the Glendale Study Area (January 1992), a feasibility study (FS) was undertaken for the Glendale South OU which evaluated a range of cleanup alternatives for addressing the contaminated groundwater. The FS report

**SAN FERNANDO VALLEY (AREA 2) (Continued)**

**1000710134**

entitled Feasibility Study for the Glendale Study Area South Plume Operable Unit was completed in August 1992. In 1980, after finding organic chemical contamination in the groundwater of the San Gabriel Valley, the California Department of Health Services (DHS) requested that all major water purveyors using groundwater in the San Fernando Valley conduct tests for the presence of certain industrial chemicals in the water they were serving. The results of initial tests and of subsequent testing revealed the presence of volatile organic compound (VOC) contamination in the groundwater of the San Fernando Valley. These findings resulted in a number of municipal supply wells for the cities of Los Angeles, Burbank, and Glendale being taken out of service. The primary contaminants of concern were and are the solvents trichloroethylene (TCE) and perchloroethylene (PCE), which have been widely used in a variety of industries including machinery degreasing, metal plating and dry cleaning. In 1984, EPA proposed four sites within the San Fernando Valley for inclusion on the NPL and in 1986 the sites were added to the list. Each site encompasses an area in which production wells produced groundwater containing concentrations of TCE and PCE above State and Federal standards in 1984. The four NPL sites in the San Fernando Valley are the North Hollywood, Crystal Springs, Verdugo, and Pollock sites, also referred to as San Fernando Valley Areas 1, 2, 3, and 4, respectively. The EPA has now shifted from defining the sites based on production wells to managing it as one large site defined by the extent of the contaminated plume of groundwater. The San Fernando Valley Study Area includes the four sites as listed on the NPL and adjacent areas where contamination has or may have migrated. A basinwide groundwater RI report for the San Fernando Valley Study Area was completed in December 1992. Groundwater wells installed by EPA as part of the basinwide groundwater RI are routinely sampled to continue to monitor the nature and extent of the groundwater contamination in the San Fernando Valley. In addition, monitoring well data gathered at individual facilities in the San Fernando are included in the EPA database which is used to generate plume maps of the basin. EPA has previously signed Record of Decision (ROD) documents for two OUs in the San Fernando Valley: the North Hollywood OU (1987) and the Burbank OU (1989). The North Hollywood OU interim remedy is currently operating and the Burbank OU is in the remedial design phase. In the Glendale Study Area, EPA has identified two OUs: the Glendale North Plume OU and the Glendale South Plume OU. In addition, EPA has recently initiated an RI/FS for an OU in the Pollock area of the San Fernando Valley. All of these OUs represent interim cleanups currently in progress throughout the eastern portion of the San Fernando Valley. All remedial actions established by EPA thus far in the ROD for each OU have been interim measures. EPA has not yet selected a final remedy for the entire San Fernando Valley. The most prevalent groundwater contaminants in the Glendale Study area are TCE and PCE. In 1992, the highest concentrations of TCE and PCE detected in EPA monitoring wells in the San Fernando Valley were 7100 ppb and 160 ppb, respectively. Groundwater samples from wells installed at industrial facilities in the San Fernando Valley near potential sources of contamination have shown concentrations greater than 30,000 ppb for TCE and over 15,000 ppb for PCE. The maximum levels of 820 ppb of TCE and 220 ppb of PCE were detected in shallow wells located in the south plume portion of the Glendale Study Area. The MCL for both TCE and PCE is 5 ppb. Nitrate, an inorganic contaminant, has been detected consistently at levels in excess of the MCL (45 milligrams per liter (mg/l), also referred to as parts per million (ppm) as nitrate, or 10 mg/l nitrate as nitrogen) in the groundwater of the Glendale Study Area. The nitrate contamination is likely to be the result of past agricultural practices and/or septic systems in the San Fernando Valley. It should be noted that the Cities of Glendale and Los Angeles closely monitor the quality of drinking water delivered to residents. The water served to residents must meet all Federal and state drinking water

**SAN FERNANDO VALLEY (AREA 2) (Continued)**

**1000710134**

requirements. Currently, nearly all of the water delivered by the City of Glendale is purchased from the Metropolitan Water District (MWD) of Southern California. The City uses a limited amount of groundwater from a small percentage of its nine production wells in the San Fernando Valley. If the levels of VOCs and other contaminants detected in the groundwater of production wells are equal to or less than 10 times MCLs, the State of California Department of Health Services, Office of Drinking Water permits the City to extract the water, blend it with MWD water to meet all drinking water standards, and convey the extracted, blended water to its public distribution system. As described briefly in Section 1 above, the Glendale Study Area includes two portions of the aquifer where high concentrations of contaminants have been identified: the north plume and the south plume. A remedial investigation (RI) that characterized the nature and extent of contamination in the Glendale Study Area was completed in (January 1992). The Glendale Study Area RI included a characterization of the nature and extent of contamination, baseline risk assessments, and other RI data for both the north and south plumes. However, separate FS reports evaluating a range of cleanup alternatives for the contaminated groundwater were prepared for each plume. The Glendale South OU FS report and subsequent Proposed Plan were finalized in August 1992 and September 1992, respectively. The Glendale North OU FS report was completed in April 1992 and the Proposed Plan was completed in June 1992. EPA's preferred alternatives as described in the Proposed Plans were: extraction of 3000 gallons per minute (gpm) of contaminated groundwater for Glendale North and 2000 gpm for Glendale South, treatment of VOCs by air stripping or liquid phase GAC, and conveyance of the treated water to a water purveyor, where it would be blended with water of a quality such that the treated, blended water would meet all drinking water standards, for eventual distribution through a public water system. As a contingency, if all or part of the treated water was not accepted by the purveyors (possibly due to water supply needs), the treated water from Glendale North would be reinjected and for Glendale South would be recharged at the Headworks Spreading Grounds. In response to comments by the City of Glendale on the Glendale North and South OU Proposed Plans and in order to decrease overall costs associated with the OUs, EPA has determined that the treatment plants for the Glendale North and Glendale South OUs will be combined at one location and the total 5,000 gpm of treated water will be conveyed to the City of Glendale for distribution to its public water supply system. The exact configuration of the combined treatment plant will be determined during the remedial design phase of the project. The Glendale North OU Record of Decision also reflects this decision to combine the treatment plants. However, if EPA determines that combining the treatment plants will significantly delay or hinder the implementation of the Glendale South OU, the treatment plants will not be combined. Furthermore, if the City of Glendale does not accept any or all of the treated water (possibly due to water supply needs), any remaining portion of water will be 1) offered to another San Fernando Valley water purveyor or 2) recharged into the aquifer at the Headworks Spreading Grounds. The interim remedial action selected for the Glendale South Operable Unit (OU) represents a discrete element in the overall long-term remediation of groundwater in the eastern portion of the San Fernando Valley. An interim action ROD addressing the Glendale South Operable Unit of the San Fernando Valley Area 2 was completed in June, 1993.

**CERCLIS Assessment History:**

Action Code: 001  
Action: DISCOVERY  
Date Started: / /  
Date Completed: 12/01/83  
Priority Level: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**SAN FERNANDO VALLEY (AREA 2) (Continued)**

**1000710134**

Operable Unit: SITEWIDE  
Primary Responsibility: State, Fund Financed  
Planning Status: Not reported  
Urgency Indicator: Not reported  
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 001  
Action: SITE INSPECTION  
Date Started: / /  
Date Completed: 04/01/84  
Priority Level: Higher priority for further assessment  
Operable Unit: SITEWIDE  
Primary Responsibility: State, Fund Financed  
Planning Status: Not reported  
Urgency Indicator: Not reported  
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 001  
Action: PRELIMINARY ASSESSMENT  
Date Started: / /  
Date Completed: 04/01/84  
Priority Level: Higher priority for further assessment  
Operable Unit: SITEWIDE  
Primary Responsibility: State, Fund Financed  
Planning Status: Not reported  
Urgency Indicator: Not reported  
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 001  
Action: HAZARD RANKING SYSTEM PACKAGE  
Date Started: / /  
Date Completed: 04/01/84  
Priority Level: Not reported  
Operable Unit: SITEWIDE  
Primary Responsibility: State, Fund Financed  
Planning Status: Not reported  
Urgency Indicator: Not reported  
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 001  
Action: PROPOSAL TO NATIONAL PRIORITIES LIST  
Date Started: / /  
Date Completed: 10/15/84  
Priority Level: Not reported  
Operable Unit: SITEWIDE  
Primary Responsibility: EPA Fund-Financed  
Planning Status: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**SAN FERNANDO VALLEY (AREA 2) (Continued)**

**1000710134**

Urgency Indicator: Not reported  
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 001  
Action: NATIONAL PRIORITIES LIST RESPONSIBLE PARTY SEARCH  
Date Started: 09/30/84  
Date Completed: 08/15/85  
Priority Level: Not reported  
Operable Unit: SITEWIDE  
Primary Responsibility: Federal Enforcement  
Planning Status: Not reported  
Urgency Indicator: Not reported  
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 001  
Action: FINAL LISTING ON NATIONAL PRIORITIES LIST  
Date Started: / /  
Date Completed: 06/10/86  
Priority Level: Not reported  
Operable Unit: SITEWIDE  
Primary Responsibility: EPA Fund-Financed  
Planning Status: Not reported  
Urgency Indicator: Not reported  
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 001  
Action: REMOVAL ASSESSMENT  
Date Started: 06/17/91  
Date Completed: 06/17/91  
Priority Level: Not reported  
Operable Unit: SITEWIDE  
Primary Responsibility: EPA Fund-Financed  
Planning Status: Primary  
Urgency Indicator: Not reported  
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 001  
Action: Notice Letters Issued  
Date Started: / /  
Date Completed: 08/31/92  
Priority Level: Not reported  
Operable Unit: SITEWIDE  
Primary Responsibility: Federal Enforcement  
Planning Status: Not reported  
Urgency Indicator: Not reported  
Action Anomaly: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**SAN FERNANDO VALLEY (AREA 2) (Continued)**

**1000710134**

For detailed financial records, contact EDR for a Site Report.:

Action Code: 002  
Action: Notice Letters Issued  
Date Started: / /  
Date Completed: 11/12/92  
Priority Level: Not reported  
Operable Unit: SITEWIDE  
Primary Responsibility: EPA Fund-Financed  
Planning Status: Not reported  
Urgency Indicator: Not reported  
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 003  
Action: Notice Letters Issued  
Date Started: / /  
Date Completed: 11/24/92  
Priority Level: Not reported  
Operable Unit: SITEWIDE  
Primary Responsibility: EPA Fund-Financed  
Planning Status: Not reported  
Urgency Indicator: Not reported  
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 001  
Action: ECOLOGICAL RISK ASSESSMENT  
Date Started: / /  
Date Completed: 12/15/92  
Priority Level: Not reported  
Operable Unit: OVERALL SITE/AREAWIDE  
Primary Responsibility: State, Fund Financed  
Planning Status: Not reported  
Urgency Indicator: Not reported  
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 001  
Action: RISK/HEALTH ASSESSMENT  
Date Started: / /  
Date Completed: 12/15/92  
Priority Level: Not reported  
Operable Unit: OVERALL SITE/AREAWIDE  
Primary Responsibility: State, Fund Financed  
Planning Status: Not reported  
Urgency Indicator: Not reported  
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:



Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**SAN FERNANDO VALLEY (AREA 2) (Continued)**

**1000710134**

Action Code: 003  
Action: COMBINED REMEDIAL INVESTIGATION/FEASIBILITY STUDY  
Date Started: 09/06/89  
Date Completed: 06/18/93  
Priority Level: Not reported  
Operable Unit: GLENDALE SOUTH(TO ROD)&COMBINE  
Primary Responsibility: State, Fund Financed  
Planning Status: Primary  
Urgency Indicator: Not reported  
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 002  
Action: COMBINED REMEDIAL INVESTIGATION/FEASIBILITY STUDY  
Date Started: 09/06/89  
Date Completed: 06/18/93  
Priority Level: Not reported  
Operable Unit: GLENDALE NORTH TO RD ONLY  
Primary Responsibility: State, Fund Financed  
Planning Status: Primary  
Urgency Indicator: Not reported  
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 002  
Action: RECORD OF DECISION  
Date Started: / /  
Date Completed: 06/18/93  
Priority Level: Not reported  
Operable Unit: GLENDALE SOUTH(TO ROD)&COMBINE  
Primary Responsibility: EPA Fund-Financed  
Planning Status: Primary  
Urgency Indicator: Not reported  
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 003  
Action: RECORD OF DECISION  
Date Started: / /  
Date Completed: 06/18/93  
Priority Level: Not reported  
Operable Unit: GLENDALE NORTH TO RD ONLY  
Primary Responsibility: EPA Fund-Financed  
Planning Status: Primary  
Urgency Indicator: Not reported  
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 002  
Action: NATIONAL PRIORITIES LIST RESPONSIBLE PARTY SEARCH  
Date Started: 10/01/89  
Date Completed: 06/30/93  
Priority Level: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**SAN FERNANDO VALLEY (AREA 2) (Continued)**

**1000710134**

Operable Unit: SITEWIDE  
Primary Responsibility: Federal Enforcement  
Planning Status: Primary  
Urgency Indicator: Not reported  
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 001  
Action: REMEDIAL DESIGN/REMEDIAL ACTION NEGOTIATIONS  
Date Started: 09/30/93  
Date Completed: 03/30/94  
Priority Level: Not reported  
Operable Unit: SITEWIDE  
Primary Responsibility: Federal Enforcement  
Planning Status: Alternate  
Urgency Indicator: Not reported  
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 001  
Action: ADMINISTRATIVE ORDER ON CONSENT  
Date Started: / /  
Date Completed: 03/30/94  
Priority Level: Not reported  
Operable Unit: SITEWIDE  
Primary Responsibility: Federal Enforcement  
Planning Status: Primary  
Urgency Indicator: Not reported  
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 002  
Action: POTENTIALLY RESPONSIBLE PARTY REMEDIAL DESIGN  
Date Started: 05/01/94  
Date Completed: 11/11/96  
Priority Level: Not reported  
Operable Unit: GLENDALE SOUTH(TO ROD)&COMBINE  
Primary Responsibility: Responsible Party  
Planning Status: Primary  
Urgency Indicator: Not reported  
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 001  
Action: POTENTIALLY RESPONSIBLE PARTY REMEDIAL DESIGN  
Date Started: 05/01/94  
Date Completed: 11/11/96  
Priority Level: Not reported  
Operable Unit: GLENDALE NORTH TO RD ONLY  
Primary Responsibility: Responsible Party  
Planning Status: Project Suspended  
Urgency Indicator: Not reported  
Action Anomaly: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**SAN FERNANDO VALLEY (AREA 2) (Continued)**

**1000710134**

For detailed financial records, contact EDR for a Site Report.:

Action Code: 002  
Action: REMEDIAL DESIGN/REMEDIAL ACTION NEGOTIATIONS  
Date Started: 10/12/95  
Date Completed: 11/26/96  
Priority Level: Not reported  
Operable Unit: SITEWIDE  
Primary Responsibility: Federal Enforcement  
Planning Status: Primary  
Urgency Indicator: Not reported  
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 001  
Action: UNILATERAL ADMIN ORDER  
Date Started: / /  
Date Completed: 11/26/96  
Priority Level: Not reported  
Operable Unit: SITEWIDE  
Primary Responsibility: Federal Enforcement  
Planning Status: Primary  
Urgency Indicator: Not reported  
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 002  
Action: UNILATERAL ADMIN ORDER  
Date Started: / /  
Date Completed: 09/30/97  
Priority Level: Not reported  
Operable Unit: SITEWIDE  
Primary Responsibility: Federal Enforcement  
Planning Status: Not reported  
Urgency Indicator: Not reported  
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 001  
Action: PROSPECTIVE PURCHASER AGREEMENT ASSESSMENT  
Date Started: 11/30/97  
Date Completed: 12/02/99  
Priority Level: PPA Signed  
Operable Unit: GLENDALE SOUTH(TO ROD)&COMBINE  
Primary Responsibility: Federal Enforcement  
Planning Status: Not reported  
Urgency Indicator: Not reported  
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 001

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**SAN FERNANDO VALLEY (AREA 2) (Continued)**

**1000710134**

Action: Lodged By DOJ  
Date Started: / /  
Date Completed: 05/17/00  
Priority Level: Not reported  
Operable Unit: SITEWIDE  
Primary Responsibility: Federal Enforcement  
Planning Status: Not reported  
Urgency Indicator: Not reported  
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 002  
Action: ADMINISTRATIVE ORDER ON CONSENT  
Date Started: / /  
Date Completed: 06/07/00  
Priority Level: Not reported  
Operable Unit: GLENDALE SOUTH(TO ROD)&COMBINE  
Primary Responsibility: Federal Enforcement  
Planning Status: Not reported  
Urgency Indicator: Not reported  
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 001  
Action: SECTION 107 LITIGATION  
Date Started: 03/04/97  
Date Completed: 08/02/00  
Priority Level: Not reported  
Operable Unit: SITEWIDE  
Primary Responsibility: Federal Enforcement  
Planning Status: Not reported  
Urgency Indicator: Not reported  
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 001  
Action: CONSENT DECREE  
Date Started: 03/30/00  
Date Completed: 08/02/00  
Priority Level: Not reported  
Operable Unit: SITEWIDE  
Primary Responsibility: Federal Enforcement  
Planning Status: Primary  
Urgency Indicator: Not reported  
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 001  
Action: PREPARATION OF COST DOCUMENT PACKAGE  
Date Started: 06/30/00  
Date Completed: 09/30/00  
Priority Level: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**SAN FERNANDO VALLEY (AREA 2) (Continued)**

**1000710134**

Operable Unit: SITEWIDE  
Primary Responsibility: Federal Enforcement  
Planning Status: Primary  
Urgency Indicator: Not reported  
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 002  
Action: PROSPECTIVE PURCHASER AGREEMENT ASSESSMENT  
Date Started: 11/30/00  
Date Completed: 12/22/00  
Priority Level: PPA Signed  
Operable Unit: GLENDALE SOUTH(TO ROD)&COMBINE  
Primary Responsibility: Federal Enforcement  
Planning Status: Not reported  
Urgency Indicator: Not reported  
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 003  
Action: ADMINISTRATIVE ORDER ON CONSENT  
Date Started: / /  
Date Completed: 07/23/01  
Priority Level: Not reported  
Operable Unit: GLENDALE SOUTH(TO ROD)&COMBINE  
Primary Responsibility: Federal Enforcement  
Planning Status: Not reported  
Urgency Indicator: Not reported  
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 002  
Action: POTENTIALLY RESPONSIBLE PARTY REMEDIAL ACTION  
Date Started: 10/17/97  
Date Completed: 09/30/02  
Priority Level: Interim RA Report  
Operable Unit: GLENDALE SOUTH(TO ROD)&COMBINE  
Primary Responsibility: Responsible Party  
Planning Status: Primary  
Urgency Indicator: Long Term Action  
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 004  
Action: ADMINISTRATIVE ORDER ON CONSENT  
Date Started: / /  
Date Completed: 06/29/06  
Priority Level: Not reported  
Operable Unit: SITEWIDE  
Primary Responsibility: Federal Enforcement  
Planning Status: Not reported  
Urgency Indicator: Not reported  
Action Anomaly: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**SAN FERNANDO VALLEY (AREA 2) (Continued)**

**1000710134**

For detailed financial records, contact EDR for a Site Report.:

Action Code: 014  
Action: Notice Letters Issued  
Date Started: / /  
Date Completed: 11/07/07  
Priority Level: Not reported  
Operable Unit: SITEWIDE CHROMIUM  
Primary Responsibility: Federal Enforcement  
Planning Status: Not reported  
Urgency Indicator: Not reported  
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 010  
Action: Notice Letters Issued  
Date Started: / /  
Date Completed: 11/07/07  
Priority Level: Not reported  
Operable Unit: SITEWIDE CHROMIUM  
Primary Responsibility: Federal Enforcement  
Planning Status: Not reported  
Urgency Indicator: Not reported  
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 011  
Action: Notice Letters Issued  
Date Started: / /  
Date Completed: 11/17/07  
Priority Level: Not reported  
Operable Unit: SITEWIDE CHROMIUM  
Primary Responsibility: Federal Enforcement  
Planning Status: Not reported  
Urgency Indicator: Not reported  
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 013  
Action: Notice Letters Issued  
Date Started: / /  
Date Completed: 11/17/07  
Priority Level: Not reported  
Operable Unit: SITEWIDE CHROMIUM  
Primary Responsibility: Federal Enforcement  
Planning Status: Not reported  
Urgency Indicator: Not reported  
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**SAN FERNANDO VALLEY (AREA 2) (Continued)**

**1000710134**

Action Code: 009  
Action: Notice Letters Issued  
Date Started: / /  
Date Completed: 11/19/07  
Priority Level: Not reported  
Operable Unit: SITEWIDE CHROMIUM  
Primary Responsibility: Federal Enforcement  
Planning Status: Not reported  
Urgency Indicator: Not reported  
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 005  
Action: Notice Letters Issued  
Date Started: / /  
Date Completed: 11/19/07  
Priority Level: Not reported  
Operable Unit: SITEWIDE CHROMIUM  
Primary Responsibility: Federal Enforcement  
Planning Status: Not reported  
Urgency Indicator: Not reported  
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 008  
Action: Notice Letters Issued  
Date Started: / /  
Date Completed: 11/19/07  
Priority Level: Not reported  
Operable Unit: SITEWIDE CHROMIUM  
Primary Responsibility: Federal Enforcement  
Planning Status: Not reported  
Urgency Indicator: Not reported  
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 004  
Action: Notice Letters Issued  
Date Started: / /  
Date Completed: 11/19/07  
Priority Level: Not reported  
Operable Unit: SITEWIDE CHROMIUM  
Primary Responsibility: Federal Enforcement  
Planning Status: Not reported  
Urgency Indicator: Not reported  
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 007  
Action: Notice Letters Issued  
Date Started: / /

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**SAN FERNANDO VALLEY (AREA 2) (Continued)**

**1000710134**

Date Completed: 11/20/07  
Priority Level: Not reported  
Operable Unit: SITEWIDE CHROMIUM  
Primary Responsibility: Federal Enforcement  
Planning Status: Not reported  
Urgency Indicator: Not reported  
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 012  
Action: Notice Letters Issued  
Date Started: / /  
Date Completed: 11/20/07  
Priority Level: Not reported  
Operable Unit: SITEWIDE CHROMIUM  
Primary Responsibility: Federal Enforcement  
Planning Status: Not reported  
Urgency Indicator: Not reported  
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 006  
Action: Notice Letters Issued  
Date Started: / /  
Date Completed: 11/21/07  
Priority Level: Not reported  
Operable Unit: SITEWIDE CHROMIUM  
Primary Responsibility: Federal Enforcement  
Planning Status: Not reported  
Urgency Indicator: Not reported  
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 003  
Action: UNILATERAL ADMIN ORDER  
Date Started: / /  
Date Completed: 03/06/08  
Priority Level: Not reported  
Operable Unit: SITEWIDE CHROMIUM  
Primary Responsibility: Federal Enforcement  
Planning Status: Not reported  
Urgency Indicator: Not reported  
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 005  
Action: ADMINISTRATIVE ORDER ON CONSENT  
Date Started: / /  
Date Completed: 05/21/08  
Priority Level: Not reported  
Operable Unit: SITEWIDE CHROMIUM



Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**SAN FERNANDO VALLEY (AREA 2) (Continued)**

**1000710134**

Primary Responsibility: Federal Enforcement  
Planning Status: Not reported  
Urgency Indicator: Not reported  
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 006  
Action: ADMINISTRATIVE ORDER ON CONSENT  
Date Started: / /  
Date Completed: 08/18/08  
Priority Level: Not reported  
Operable Unit: SITEWIDE CHROMIUM  
Primary Responsibility: Federal Enforcement  
Planning Status: Not reported  
Urgency Indicator: Not reported  
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 001  
Action: FIVE-YEAR REVIEW  
Date Started: 01/25/08  
Date Completed: 09/30/08  
Priority Level: Not reported  
Operable Unit: SITEWIDE  
Primary Responsibility: EPA Fund-Financed  
Planning Status: Not reported  
Urgency Indicator: Not reported  
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 015  
Action: Notice Letters Issued  
Date Started: / /  
Date Completed: 11/07/08  
Priority Level: Not reported  
Operable Unit: SITEWIDE CHROMIUM  
Primary Responsibility: Federal Enforcement  
Planning Status: Not reported  
Urgency Indicator: Not reported  
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 001  
Action: CLAIM IN BANKRUPTCY PROCEEDING  
Date Started: 07/02/09  
Date Completed: 04/23/10  
Priority Level: Not reported  
Operable Unit: GLENDALE SOUTH(TO ROD)&COMBINE  
Primary Responsibility: Federal Enforcement  
Planning Status: Not reported  
Urgency Indicator: Not reported  
Action Anomaly: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**SAN FERNANDO VALLEY (AREA 2) (Continued)**

**1000710134**

For detailed financial records, contact EDR for a Site Report.:

Action Code: 001  
Action: REMOVAL  
Date Started: 02/23/10  
Date Completed: 04/30/10  
Priority Level: Stabilized  
Operable Unit: SITEWIDE CHROMIUM  
Primary Responsibility: EPA Fund-Financed  
Planning Status: Approved  
Urgency Indicator: Time Critical  
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 002  
Action: REMOVAL ASSESSMENT  
Date Started: 02/23/10  
Date Completed: 04/30/10  
Priority Level: Not reported  
Operable Unit: SITEWIDE CHROMIUM  
Primary Responsibility: EPA Fund-Financed  
Planning Status: Not reported  
Urgency Indicator: Not reported  
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 007  
Action: ADMINISTRATIVE ORDER ON CONSENT  
Date Started: / /  
Date Completed: 02/28/11  
Priority Level: Not reported  
Operable Unit: SITEWIDE CHROMIUM  
Primary Responsibility: Federal Enforcement  
Planning Status: Not reported  
Urgency Indicator: Not reported  
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 002  
Action: SECTION 107 LITIGATION  
Date Started: 05/21/09  
Date Completed: 04/13/11  
Priority Level: Not reported  
Operable Unit: SITEWIDE CHROMIUM  
Primary Responsibility: Federal Enforcement  
Planning Status: Not reported  
Urgency Indicator: Not reported  
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 005

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**SAN FERNANDO VALLEY (AREA 2) (Continued)**

**1000710134**

Action: CONSENT DECREE  
Date Started: / /  
Date Completed: 04/13/11  
Priority Level: Not reported  
Operable Unit: SITEWIDE CHROMIUM  
Primary Responsibility: Federal Enforcement  
Planning Status: Not reported  
Urgency Indicator: Not reported  
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 008  
Action: ADMINISTRATIVE ORDER ON CONSENT  
Date Started: / /  
Date Completed: 11/14/11  
Priority Level: Not reported  
Operable Unit: SITEWIDE CHROMIUM  
Primary Responsibility: Federal Enforcement  
Planning Status: Not reported  
Urgency Indicator: Not reported  
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 002  
Action: NEGOTIATION (GENERIC)  
Date Started: / /  
Date Completed: 11/14/11  
Priority Level: Not reported  
Operable Unit: SITEWIDE CHROMIUM  
Primary Responsibility: Federal Enforcement  
Planning Status: Not reported  
Urgency Indicator: Not reported  
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 002  
Action: COST RECOVERY NEGOTIATIONS  
Date Started: / /  
Date Completed: 12/20/11  
Priority Level: Not reported  
Operable Unit: SITEWIDE CHROMIUM  
Primary Responsibility: Federal Enforcement  
Planning Status: Not reported  
Urgency Indicator: Not reported  
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 009  
Action: ADMINISTRATIVE ORDER ON CONSENT  
Date Started: / /  
Date Completed: 12/20/11  
Priority Level: Not reported  
Operable Unit: SITEWIDE CHROMIUM

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**SAN FERNANDO VALLEY (AREA 2) (Continued)**

**1000710134**

Primary Responsibility: Federal Enforcement  
Planning Status: Not reported  
Urgency Indicator: Not reported  
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 010  
Action: ADMINISTRATIVE ORDER ON CONSENT  
Date Started: / /  
Date Completed: 05/31/12  
Priority Level: Not reported  
Operable Unit: SITEWIDE CHROMIUM  
Primary Responsibility: Federal Enforcement  
Planning Status: Not reported  
Urgency Indicator: Not reported  
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 001  
Action: POTENTIALLY RESPONSIBLE PARTY FEASIBILITY STUDY  
Date Started: 08/09/10  
Date Completed: 07/01/13  
Priority Level: Not reported  
Operable Unit: GLENDALE SOUTH(TO ROD)&COMBINE  
Primary Responsibility: Responsible Party  
Planning Status: Not reported  
Urgency Indicator: Not reported  
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 001  
Action: COMBINED REMEDIAL INVESTIGATION/FEASIBILITY STUDY  
Date Started: 08/16/85  
Date Completed: / /  
Priority Level: Not reported  
Operable Unit: OVERALL SITE/AREAWIDE  
Primary Responsibility: State, Fund Financed  
Planning Status: Alternate  
Urgency Indicator: Not reported  
Action Anomaly: Phased Completion

For detailed financial records, contact EDR for a Site Report.:

Action Code: 001  
Action: TECHNICAL ASSISTANCE  
Date Started: 09/30/85  
Date Completed: / /  
Priority Level: Not reported  
Operable Unit: OVERALL SITE/AREAWIDE  
Primary Responsibility: EPA Fund-Financed  
Planning Status: Primary  
Urgency Indicator: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**SAN FERNANDO VALLEY (AREA 2) (Continued)**

**1000710134**

Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 001  
Action: POTENTIALLY RESPONSIBLE PARTY LONG-TERM RESPONSE ACTION  
Date Started: 09/30/02  
Date Completed: / /  
Priority Level: Not reported  
Operable Unit: GLENDALE SOUTH(TO ROD)&COMBINE  
Primary Responsibility: Responsible Party  
Planning Status: Not reported  
Urgency Indicator: Not reported  
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 001  
Action: POTENTIALLY RESPONSIBLE PARTY REMEDIAL INVESTIGATION/FEASIBILITY STUDY  
Date Started: 04/08/08  
Date Completed: / /  
Priority Level: Not reported  
Operable Unit: SITEWIDE CHROMIUM  
Primary Responsibility: Responsible Party  
Planning Status: Not reported  
Urgency Indicator: Not reported  
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 001  
Action: REMEDIAL INVESTIGATION  
Date Started: 09/27/11  
Date Completed: / /  
Priority Level: Not reported  
Operable Unit: SITEWIDE CHROMIUM  
Primary Responsibility: EPA Fund-Financed  
Planning Status: Not reported  
Urgency Indicator: Not reported  
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 005  
Action: POTENTIALLY RESPONSIBLE PARTY REMEDIAL ACTION  
Date Started: 08/22/13  
Date Completed: / /  
Priority Level: Not reported  
Operable Unit: GLENDALE SOUTH(TO ROD)&COMBINE  
Primary Responsibility: Responsible Party  
Planning Status: Not reported  
Urgency Indicator: Not reported  
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Federal Register Details:

Fed Register Date: 06/10/86

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**SAN FERNANDO VALLEY (AREA 2) (Continued)**

**1000710134**

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Fed Register Date: 10/15/84  
Fed Register Volume: 49  
Page Number: 40320

[Click this hyperlink](#) while viewing on your computer to access  
2677 additional US CERCLIS Financial: record(s) in the EDR Site Report.

US ENG CONTROLS:

EPA ID: CAD980894901  
Site ID: 0902252  
Name: SAN FERNANDO VALLEY (AREA 2)  
Address: CRYSTAL SPRINGS WELLFIELD AREA  
GLENDALE, CA 91209  
EPA Region: 09  
County: LOS ANGELES  
Event Code: Not reported  
Actual Date: 06/30/1993

Action ID: 002  
Action Name: RECORD OF DECISION  
Action Completion date: 06/18/1993  
Operable Unit: 03  
Contaminated Media : Groundwater  
Engineering Control: Extraction

Action ID: 002  
Action Name: RECORD OF DECISION  
Action Completion date: 06/18/1993  
Operable Unit: 03  
Contaminated Media : Groundwater  
Engineering Control: Filtration

Action ID: 002  
Action Name: RECORD OF DECISION  
Action Completion date: 06/18/1993  
Operable Unit: 03  
Contaminated Media : Groundwater  
Engineering Control: Monitoring

Action ID: 002  
Action Name: RECORD OF DECISION  
Action Completion date: 06/18/1993  
Operable Unit: 03  
Contaminated Media : Groundwater  
Engineering Control: Reuse as Drinking Water

Action ID: 002  
Action Name: RECORD OF DECISION  
Action Completion date: 06/18/1993  
Operable Unit: 03  
Contaminated Media : Groundwater  
Engineering Control: Treatment, (N.O.S.)

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**SAN FERNANDO VALLEY (AREA 2) (Continued)**

**1000710134**

Action ID: 003  
Action Name: RECORD OF DECISION  
Action Completion date: 06/18/1993  
Operable Unit: 02  
Contaminated Media : Groundwater  
Engineering Control: Air Stripping

Action ID: 003  
Action Name: RECORD OF DECISION  
Action Completion date: 06/18/1993  
Operable Unit: 02  
Contaminated Media : Groundwater  
Engineering Control: Carbon Adsorption

Action ID: 003  
Action Name: RECORD OF DECISION  
Action Completion date: 06/18/1993  
Operable Unit: 02  
Contaminated Media : Groundwater  
Engineering Control: Discharge

Action ID: 003  
Action Name: RECORD OF DECISION  
Action Completion date: 06/18/1993  
Operable Unit: 02  
Contaminated Media : Groundwater  
Engineering Control: Extraction

Action ID: 003  
Action Name: RECORD OF DECISION  
Action Completion date: 06/18/1993  
Operable Unit: 02  
Contaminated Media : Groundwater  
Engineering Control: Filtration

Action ID: 003  
Action Name: RECORD OF DECISION  
Action Completion date: 06/18/1993  
Operable Unit: 02  
Contaminated Media : Groundwater  
Engineering Control: Liquid Phase Carbon Adsorption

ROD:

Full-text of USEPA Record of Decision(s) is available from EDR.

Calsite:

Region: GLENDALE  
Facility ID: 19990012  
Facility Type: NPJF  
Type: NPL SITE, JOINT STATE/FEDERAL-FUNDED  
Branch: SA  
Branch Name: SO CAL - GLENDALE  
File Name: Not reported  
State Senate District: 01011984  
Status: ANNUAL WORKPLAN (AWP) - ACTIVE SITE

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**SAN FERNANDO VALLEY (AREA 2) (Continued)**

**1000710134**

Status Name: ANNUAL WORKPLAN - ACTIVE SITE  
Lead Agency: ENVIRONMENTAL PROTECTION AGENCY  
NPL: Listed  
SIC Code: 99  
SIC Name: NONCLASSIFIABLE ESTABLISHMENTS  
Access: Not reported  
Cortese: Not reported  
Hazardous Ranking Score: Not reported  
Date Site Hazard Ranked: Not reported  
Groundwater Contamination: Confirmed  
Staff Member Responsible for Site: TYARGEAU  
Supervisor Responsible for Site: Not reported  
Region Water Control Board: LA  
Region Water Control Board Name: LOS ANGELES  
Lat/Long Direction: Not reported  
Lat/Long (dms): 0 0 0 / 0 0 0  
Lat/long Method: Not reported  
Lat/Long Description: Not reported  
State Assembly District Code: 43  
State Senate District Code: 21  
Facility ID: 19990012  
Activity: PPP  
Activity Name: PUBLIC PARTICIPATION PLAN  
AWP Code: Not reported  
Proposed Budget: 0  
AWP Completion Date: Not reported  
Revised Due Date: Not reported  
Comments Date: 04301990  
Est Person-Yrs to complete: 0  
Estimated Size: Not reported  
Request to Delete Activity: Not reported  
Activity Status: AWP  
Definition of Status: ANNUAL WORKPLAN - ACTIVE SITE  
Liquids Removed (Gals): 0  
Liquids Treated (Gals): 0  
Action Included Capping: Not reported  
Well Decommissioned: Not reported  
Action Included Fencing: Not reported  
Removal Action Certification: Not reported  
Activity Comments: Not reported  
For Commercial Reuse: 0  
For Industrial Reuse: 0  
For Residential Reuse: 0  
Unknown Type: 0  
Facility ID: 19990012  
Activity: RIFS  
Activity Name: REMEDIAL INVESTIGATION / FEASIBILITY STUDY  
AWP Code: GLNOU  
Proposed Budget: 0  
AWP Completion Date: Not reported  
Revised Due Date: Not reported  
Comments Date: 01301992  
Est Person-Yrs to complete: 0  
Estimated Size: Not reported  
Request to Delete Activity: Not reported  
Activity Status: AWP  
Definition of Status: ANNUAL WORKPLAN - ACTIVE SITE



Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**SAN FERNANDO VALLEY (AREA 2) (Continued)**

**1000710134**

Liquids Removed (Gals):	0
Liquids Treated (Gals):	0
Action Included Capping:	Not reported
Well Decommissioned:	Not reported
Action Included Fencing:	Not reported
Removal Action Certification:	Not reported
Activity Comments:	Not reported
For Commercial Reuse:	0
For Industrial Reuse:	0
For Residential Reuse:	0
Unknown Type:	0
Facility ID:	19990012
Activity:	RIFS
Activity Name:	REMEDIAL INVESTIGATION / FEASIBILITY STUDY
AWP Code:	Not reported
Proposed Budget:	0
AWP Completion Date:	Not reported
Revised Due Date:	Not reported
Comments Date:	04301992
Est Person-Yrs to complete:	0
Estimated Size:	Not reported
Request to Delete Activity:	Not reported
Activity Status:	AWP
Definition of Status:	ANNUAL WORKPLAN - ACTIVE SITE
Liquids Removed (Gals):	0
Liquids Treated (Gals):	0
Action Included Capping:	Not reported
Well Decommissioned:	Not reported
Action Included Fencing:	Not reported
Removal Action Certification:	Not reported
Activity Comments:	Not reported
For Commercial Reuse:	0
For Industrial Reuse:	0
For Residential Reuse:	0
Unknown Type:	0
Facility ID:	19990012
Activity:	RIFS
Activity Name:	REMEDIAL INVESTIGATION / FEASIBILITY STUDY
AWP Code:	SOUTH
Proposed Budget:	0
AWP Completion Date:	Not reported
Revised Due Date:	Not reported
Comments Date:	08301992
Est Person-Yrs to complete:	0
Estimated Size:	Not reported
Request to Delete Activity:	Not reported
Activity Status:	AWP
Definition of Status:	ANNUAL WORKPLAN - ACTIVE SITE
Liquids Removed (Gals):	0
Liquids Treated (Gals):	0
Action Included Capping:	Not reported
Well Decommissioned:	Not reported
Action Included Fencing:	Not reported
Removal Action Certification:	Not reported
Activity Comments:	Not reported
For Commercial Reuse:	0
For Industrial Reuse:	0

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**SAN FERNANDO VALLEY (AREA 2) (Continued)**

**1000710134**

For Residential Reuse: 0  
Unknown Type: 0  
Facility ID: 19990012  
Activity: RAP  
Activity Name: REMEDIAL ACTION PLAN / RECORD OF DECISION  
AWP Code: GLNOU  
Proposed Budget: 0  
AWP Completion Date: Not reported  
Revised Due Date: Not reported  
Comments Date: 06181993  
Est Person-Yrs to complete: 0  
Estimated Size: Not reported  
Request to Delete Activity: Not reported  
Activity Status: AWP  
Definition of Status: ANNUAL WORKPLAN - ACTIVE SITE  
Liquids Removed (Gals): 0  
Liquids Treated (Gals): 0  
Action Included Capping: Not reported  
Well Decommissioned: Not reported  
Action Included Fencing: Not reported  
Removal Action Certification: Not reported  
Activity Comments: Not reported  
For Commercial Reuse: 0  
For Industrial Reuse: 0  
For Residential Reuse: 0  
Unknown Type: 0  
Facility ID: 19990012  
Activity: RAP  
Activity Name: REMEDIAL ACTION PLAN / RECORD OF DECISION  
AWP Code: GLSOU  
Proposed Budget: 0  
AWP Completion Date: Not reported  
Revised Due Date: Not reported  
Comments Date: 06181993  
Est Person-Yrs to complete: 0  
Estimated Size: Not reported  
Request to Delete Activity: Not reported  
Activity Status: AWP  
Definition of Status: ANNUAL WORKPLAN - ACTIVE SITE  
Liquids Removed (Gals): 0  
Liquids Treated (Gals): 0  
Action Included Capping: Not reported  
Well Decommissioned: Not reported  
Action Included Fencing: Not reported  
Removal Action Certification: Not reported  
Activity Comments: Not reported  
For Commercial Reuse: 0  
For Industrial Reuse: 0  
For Residential Reuse: 0  
Unknown Type: 0  
Facility ID: 19990012  
Activity: ORDER  
Activity Name: I/SE, IORSE, FFA, FFSRA, VCA, EA  
AWP Code: AOC  
Proposed Budget: 0  
AWP Completion Date: Not reported  
Revised Due Date: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**SAN FERNANDO VALLEY (AREA 2) (Continued)**

**1000710134**

Comments Date: 03301994  
Est Person-Yrs to complete: 0  
Estimated Size: Not reported  
Request to Delete Activity: Not reported  
Activity Status: AWP  
Definition of Status: ANNUAL WORKPLAN - ACTIVE SITE  
Liquids Removed (Gals): 0  
Liquids Treated (Gals): 0  
Action Included Capping: Not reported  
Well Decommissioned: Not reported  
Action Included Fencing: Not reported  
Removal Action Certification: Not reported  
Activity Comments: Not reported  
For Commercial Reuse: 0  
For Industrial Reuse: 0  
For Residential Reuse: 0  
Unknown Type: 0  
Facility ID: 19990012  
Activity: DES  
Activity Name: DESIGN  
AWP Code: GLOU  
Proposed Budget: 0  
AWP Completion Date: Not reported  
Revised Due Date: Not reported  
Comments Date: 11111996  
Est Person-Yrs to complete: 0  
Estimated Size: Not reported  
Request to Delete Activity: Not reported  
Activity Status: AWP  
Definition of Status: ANNUAL WORKPLAN - ACTIVE SITE  
Liquids Removed (Gals): 0  
Liquids Treated (Gals): 0  
Action Included Capping: Not reported  
Well Decommissioned: Not reported  
Action Included Fencing: Not reported  
Removal Action Certification: Not reported  
Activity Comments: Not reported  
For Commercial Reuse: 0  
For Industrial Reuse: 0  
For Residential Reuse: 0  
Unknown Type: 0  
Facility ID: 19990012  
Activity: RMDL  
Activity Name: REMEDIAL ACTION (RAP REQUIRED)  
AWP Code: GLOU  
Proposed Budget: 0  
AWP Completion Date: Not reported  
Revised Due Date: Not reported  
Comments Date: 04232001  
Est Person-Yrs to complete: 0  
Estimated Size: Not reported  
Request to Delete Activity: Not reported  
Activity Status: AWP  
Definition of Status: ANNUAL WORKPLAN - ACTIVE SITE  
Liquids Removed (Gals): 0  
Liquids Treated (Gals): 0  
Action Included Capping: Not reported



**SAN FERNANDO VALLEY (AREA 2) (Continued)**

**1000710134**

conducted by the Los Angeles Department of Water and Power (LADWP) The RI objectives were to collect lithological and water quality data and information regarding basin operations for the eastern SF and Verdugo basins; develop a regional characterization of geology, hydrology, hydrogeology and the nature and extent of groundwater contamination within the eastern & Verdugo basins; study fate and transport of compounds in the environment; identify Applicable or Relevant and Appropriate Requirements (ARAR's); and evaluate the potential risk to human health and the environment.

The Remedial Investigation of the SFVGWB was divided into two phases:

Phase I activities have included vertical profile borings and installation of monitoring wells to obtain preliminary contamination information. Monitoring wells have been installed as follows: 34 in North Hollywood (Area #1); 29 in Crystal Springs (Area #2); 7 in Verdugo (Area #3); and 17 in Pollock (Area #4).

Information obtained from Phase I investigation activities identified the need for several operable units. Operable Unit is a federal term which is similar to the State's definition of a removal action.

Phase II activities consist of basinwide remedial investigation conducted by the LADWP.

Remedial Actions (RAs):

North Hollywood (Area #1) -- Two RAs were identified for Area #1, the North Hollywood OU and the Burbank OU.

A Record of Decision (ROD) for the North Hollywood RA was signed in September 1987, selecting groundwater extraction and treatment (air stripping) of 2,000 gallons per minute (gpm) of contaminated water as an interim remedy. This RA was constructed with funding from EPA and the State and has been treating contaminated groundwater since March 1989. This facility is located at 11845 Vose Street in the N. Hollywood section of Los Angeles.

A ROD for the Burbank OU was signed in June 1989, again selecting groundwater extraction and treatment of about 12,000 gpm of contaminated water. Phase I of the Burbank OU began operations in January 1996 treating groundwater at a rate of 6,000 gpm. Phase II began operations in May 1998 adding an additional 3,000 gpm to the Burbank OU's treatment capacity.

Crystal Springs (Area #2) -- LADWP has completed a focused RI/FS for this proposed RA. The Glendale OU was separated into a North OU and a South OU based on the amount of contamination and the facilities contributing to the GW contamination. A ROD for each OU was signed on June 18, 1993 designating groundwater extraction and treatment as the interim remedy. The PRPs formed a group and combined the RA efforts for each OU into one document. The selected alternative is GW extraction and treatment. The Glendale OU began operations in September 2000.

Verdugo and Pollock (Areas #3 and #4) --

Currently no RAs have been identified for Area #3 or for Area #4. In October 2003, US EPA proposed No Remedial Action Verdugo Basin (Area #3).

Another contaminant of concern, hexavalent chromium, has

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**SAN FERNANDO VALLEY (AREA 2) (Continued)**

**1000710134**

been identified in the San Fernando Valley Groundwater Basin. EPA and the RWQCB are currently identifying potential sources of contamination and pursuing PRPs that may be responsible for contaminating groundwater. As these PRPs are identified, individual site investigations and mitigation activities will be pursued. Enforceable agreements and orders will be implemented at numerous specific potential source sites within the Basin by RWQCB and DTSC.

The San Fernando Valley Ground Water Basin (SFVGWB) is located within the Upper Los Angeles River Area and consists of the eastern portion of the San Fernando Valley and the entire Verdugo Basin. The SFVGWB encompasses approximately 112,000 acres of alluvial valley fill deposits and provides enough water to serve approximately 600,000 residents. The Basin is bounded on the north and the northwest by the Santa Susana Mountains, on the northeast by the San Gabriel Mountains, on the west by the Simi Hills and on the south by the Santa Monica Mountains.

The San Fernando Valley Study area includes four National Priorities List (NPL) sites. They are:

Area #1 - North Hollywood NPL site covers 9336 acres in the eastern part of the San Fernando Valley. The site has been divided into the North Hollywood Operable Unit (OU) and the Burbank OU.

Area #2 - Crystal Springs NPL Site covers 3975 acres south-east of the North Hollywood NPL site and is located in the cities of Glendale and Los Angeles.

Area #3 - Verdugo NPL Site covers 2673 acres in the eastern part of the San Fernando Valley and is located in and adjacent to La Crescenta in the Verdugo Mountains.

Area #4 - Pollock NPL Site covers 1653 acres in the southeastern part of the San Fernando Valley and is located in and adjacent to the cities of Los Angeles and Glendale.

Groundwater contamination in the SFVGWB is linked to prewar, postwar, and current industrialization in the San Fernando Valley.

The primary contaminants of concern are volatile organic compounds (VOCs), trichloroethylene (TCE), and tetrachloroethylene (PCE), which have been and/or are being used in many San Fernando Valley industries, such as aeronautical, automotive, dry cleaning, and metal plating. These solvents have found their way to the groundwater basin as a result of both past and improper use, storage, and disposal practices. The SFVGWB Superfund sites, added to the NPL in 1986, are areas where groundwater from wells have been found to contain VOCs above the state and federal drinking water standards. Groundwater contamination at numerous wells have been so severe with TCE and PCE that these wells have

Comments Date: 03301994  
Comments: An Administrative Order on Consent is signed by U.S. EPA and PRPs  
Comments Date: 03301994  
Comments: to conduct the Remedial Design of the groundwater extraction,  
Comments Date: 01011984  
Comments: Groundwater contaminated with TCE and PCE. The site covers 7229  
Comments Date: 01011984  
Comments: acres in the Crystal Springs area.  
Comments Date: 01022001  
Comments: City of Glendale notifies US EPA that they will not accept the

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**SAN FERNANDO VALLEY (AREA 2) (Continued)**

**1000710134**

Comments Date: 01022001  
Comments: treated water from the Glendale Water Treatment Plant. They are  
Comments Date: 01022001  
Comments: requesting additional time to evaluate treatment options for  
Comments Date: 01022001  
Comments: hexavalent chromium. In addition, the City will submit a  
Comments Date: 01022001  
Comments: proposal to US EPA discussing the options available.  
Comments Date: 03292001  
Comments: City of Glendale submits proposal for operation of the Glendale  
Comments Date: 03292001  
Comments: Water Treatment Plant. Under the City's proposal, the two  
Comments Date: 03292001  
Comments: chromium-impacted wells will run at a reduced rate. The treated  
Comments Date: 03292001  
Comments: water will still contain detectable amounts of hexavalent  
Comments Date: 03292001  
Comments: chromium and will continue to be discharged into the Los Angeles  
Comments Date: 03292001  
Comments: River. The City of Glendale is still pursuing treatment options  
Comments Date: 03292001  
Comments: to treat the water down to non-detect levels of hexavalent  
Comments Date: 03292001  
Comments: chromium.  
Comments Date: 03301994  
Comments: treatment, disinfection, blending, and distribution facilities  
Comments Date: 03301994  
Comments: necessary to implement the Glendale North and South RODs.  
Comments Date: 04022001  
Comments: US EPA accepts the City of Glendale's proposal to operate the  
Comments Date: 04022001  
Comments: treatment plant.  
Comments Date: 04041997  
Comments: The Final Remedial Design consists of a proposed Water Treatment  
Comments Date: 04041997  
Comments: Plant (WTP) located in the North OU that is designed to treat  
Comments Date: 04041997  
Comments: VOCs (primarily TCE and PCE). The groundwater will be pumped at  
Comments Date: 04041997  
Comments: a combined extraction flow rate of 5,000 gpm from 7 shallow  
Comments Date: 04041997  
Comments: wells and one deep well located in both the Glendale North and  
Comments Date: 04041997  
Comments: South OUs.  
Comments Date: 04041997  
Comments: Not reported  
Comments Date: 04041997  
Comments: At the proposed WTP, the affected groundwater will be pumped  
Comments Date: 04041997  
Comments: directly into two single-stage Packed Tower Aerators (PTAs)  
Comments Date: 04041997  
Comments: that are followed by liquid phase granular activated carbon  
Comments Date: 04041997  
Comments: (LPGAC) vessels, then disinfected. The water will then be  
Comments Date: 04041997  
Comments: ammoniated, mixed with low nitrate MWD blending water and  
Comments Date: 04041997

Map ID  
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Distance  
Elevation

MAP FINDINGS

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**SAN FERNANDO VALLEY (AREA 2) (Continued)**

**1000710134**

Comments: discharged into the City or Glendale's potable water system.  
Comments Date: 04041997  
Comments: The off gasses from the PTAs will be treated through a vapor  
Comments Date: 04041997  
Comments: phase GAC system.  
Comments Date: 04201995  
Comments: The PRP group is preparing remedial design documents for review  
Comments Date: 04201995  
Comments: by the agencies. Glendale North OU and Glendale South OU PRPs  
Comments Date: 04201995  
Comments: submitting one document for the design of the remedy for both OUs  
Comments Date: 04232001  
Comments: City of Glendale assumes operation of the Glendale Water  
Comments Date: 04232001  
Comments: Treatment Plant.  
Comments Date: 08032000  
Comments: City of Glendale receives the 97-005 permit from Department of  
Comments Date: 08032000  
Comments: Health Services.  
Comments Date: 09202001  
Comments: The treatment plant continues to operate with the City of  
Comments Date: 09202001  
Comments: Glendale taking all of the treated water.  
Comments Date: 09252000  
Comments: City of Glendale is scheduled to receive treated water from the  
Comments Date: 09252000  
Comments: Glendale Water Treatment Plant. The City notifies the US EPA  
Comments Date: 09252000  
Comments: that it will not accept the treated water due to the levels of  
Comments Date: 09252000  
Comments: hexavalent chromium present in the treated water. The City also  
Comments Date: 09252000  
Comments: requests for a 90-day extension from US EPA to accept the treated  
Comments Date: 09252000  
Comments: water.  
Comments Date: 09272000  
Comments: City of Glendale meets with US EPA to discuss their requests for  
Comments Date: 09272000  
Comments: delay and outlines what they intend on accomplishing during the  
Comments Date: 09272000  
Comments: 90-day extension. Their primary objective is to determine a  
Comments Date: 09272000  
Comments: treatment option to treat hexavalent chromium down to non-detect  
Comments Date: 09272000  
Comments: levels.  
Comments Date: 10122000  
Comments: US EPA grants extension to City of Glendale until 1/2/2001.  
Comments Date: 10122000  
Comments: During this time the Glendale Water Treatment Plant will operate  
Comments Date: 10122000  
Comments: with the treated water being discharged directly into the  
Comments Date: 10122000  
Comments: Los Angeles River.  
Comments Date: 10191999  
Comments: Construction completed for both Glendale North and South Operable  
Comments Date: 10191999  
Comments: Units. The City is working on obtaining a permit from the



Map ID  
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MAP FINDINGS

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Database(s)

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**SAN FERNANDO VALLEY (AREA 2) (Continued)**

**1000710134**

Comments Date: 10191999  
Comments: Department of Health Services to operate the treatment facilities  
ID Name: BEP DATABASE PCODE  
ID Value: P31032  
ID Name: CALSTARS CODE  
ID Value: 300127  
Alternate Name: SAN FERNANDO VALLEY GW BASIN AREA 2CRYSTAL SPRINGS AREA; GLENDALE OUSAN FERNANDO VALLEY (AREA 2)  
Special Programs Code: MSCA  
Special Programs Name: MULTI-SITE COOPERATIVE AGREEMENT

**CORTESE:**

Region: CORTESE  
Envirostor Id: 19990012  
Site/Facility Type: FEDERAL SUPERFUND - LISTED  
Cleanup Status: ACTIVE  
Status Date: 01/01/1984  
Site Code: 300127, 300287, 300288  
Latitude: 34.1575  
Longitude: -118.28472  
Owner: Not reported  
Enf Type: Not reported  
Swat R: Not reported  
Flag: export  
Order No: Not reported  
Waste Discharge System No: Not reported  
Effective Date: Not reported  
Region 2: Not reported  
WID Id: Not reported  
Solid Waste Id No: Not reported  
Waste Management Uit Name: Not reported

**ENVIROSTOR:**

Facility ID: 19990012  
Status: Active  
Status Date: 01/01/1984  
Site Code: 300288  
Site Type: Federal Superfund  
Site Type Detailed: State Response or NPL  
Acres: 7229  
NPL: YES  
Regulatory Agencies: SMBRP, RWQCB 4 - Los Angeles, US EPA  
Lead Agency: US EPA  
Program Manager: Tedd Yargeau  
Supervisor: Javier Hinojosa  
Division Branch: Cleanup Chatsworth  
Assembly: 43  
Senate: 25  
Special Program: Not reported  
Restricted Use: NO  
Site Mgmt Req: NONE SPECIFIED  
Funding: Responsible Party  
Latitude: 34.1575  
Longitude: -118.2847  
APN: NONE SPECIFIED  
Past Use: AEROSPACE MANUFACTURING/MAINTENANCE, MANUFACTURING - INDUSTRIAL

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**SAN FERNANDO VALLEY (AREA 2) (Continued)**

**1000710134**

MACHINERY, METAL FINISHING, METAL PLATING - CHROME, METAL PLATING - OTHER, RESEARCH - AEROSPACE

Potential COC: Tetrachloroethylene (PCE 1,1,1-Trichloroethane (TCA Trichloroethylene (TCE Chromium III Chromium VI

Confirmed COC: Tetrachloroethylene (PCE 1,1,1-Trichloroethane (TCA Trichloroethylene (TCE Chromium III Chromium VI

Potential Description: AQUIC, SOIL

Alias Name: CRYSTAL SPRINGS AREA; GLENDALE OU

Alias Type: Alternate Name

Alias Name: SAN FERNANDO VALLEY GW BASIN AREA 2

Alias Type: Alternate Name

Alias Name: CAD980894901

Alias Type: CERCLIS ID

Alias Name: 110009267970

Alias Type: EPA (FRS #)

Alias Name: P31032

Alias Type: PCode

Alias Name: 300127

Alias Type: Project Code (Site Code)

Alias Name: 300287

Alias Type: Project Code (Site Code)

Alias Name: 300288

Alias Type: Project Code (Site Code)

Alias Name: 19990012

Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: PROJECT WIDE

Completed Sub Area Name: Not reported

Completed Document Type: Remedy Constructed: Operating Properly & Successfully

Completed Date: 04/23/2001

Comments: City of Glendale assumes operation of the Glendale Water Treatment Plant.

Completed Area Name: PROJECT WIDE

Completed Sub Area Name: Not reported

Completed Document Type: Design/Implementation Workplan

Completed Date: 11/11/1996

Comments: Not reported

Completed Area Name: PROJECT WIDE

Completed Sub Area Name: Not reported

Completed Document Type: Remedial Action Plan

Completed Date: 06/18/1993

Comments: Not reported

Completed Area Name: PROJECT WIDE

Completed Sub Area Name: Not reported

Completed Document Type: Remedial Action Plan

Completed Date: 06/18/1993

Comments: Not reported

Completed Area Name: PROJECT WIDE

Completed Sub Area Name: Not reported

Completed Document Type: Remedial Investigation / Feasibility Study

Completed Date: 08/30/1992

Comments: Not reported

Map ID  
Direction  
Distance  
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MAP FINDINGS

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Database(s)

EDR ID Number  
EPA ID Number

**SAN FERNANDO VALLEY (AREA 2) (Continued)**

**1000710134**

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Remedial Investigation / Feasibility Study  
Completed Date: 04/30/1992  
Comments: Not reported

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Remedial Investigation / Feasibility Study  
Completed Date: 01/30/1992  
Comments: Not reported

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Public Participation Plan / Community Relations Plan  
Completed Date: 04/30/1990  
Comments: Not reported

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Consent Order  
Completed Date: 03/30/1994  
Comments: An Administrative Order on Consent is signed by U.S. EPA and PRPs to conduct the Remedial Design of the groundwater extraction, treatment, disinfection, blending, and distribution facilities necessary to implement the Glendale North and South RODs.

Future Area Name: Not reported  
Future Sub Area Name: Not reported  
Future Document Type: Not reported  
Future Due Date: Not reported  
Schedule Area Name: Not reported  
Schedule Sub Area Name: Not reported  
Schedule Document Type: Not reported  
Schedule Due Date: Not reported  
Schedule Revised Date: Not reported

**PRP:**

PRP name: A.G. LAYNE, INC.  
A.G. LAYNE, INC.  
ACCESS CONTROLS, INC  
ACCESS CONTROLS, INC  
ACCESS CONTROLS, INC.  
ACCESS CONTROLS, INC.  
ACCESS CONTROLS, INC.  
ACCESS CONTROLS, INC.  
ACCESS CONTROLS, INC.  
ACME AEROSPACE, INC.  
ADMIRAL CONTROLS, INC.  
ADMIRAL CONTROLS, INC.  
ADMIRAL CONTROLS, INC.  
ADMIRAL CONTROLS, INC.  
ALFONSO A. DARGENZIO TRUST  
ALL METALS PROCESSING COMPANY  
AMERICAN METASEAL COMPANY  
AMERICAN METASEAL COMPANY  
ARNOLD AND MARGARET PETERSON TRUST  
AUTOMATION PLATING CORPORATION

Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**SAN FERNANDO VALLEY (AREA 2) (Continued)**

**1000710134**

AVANESSIANS, ARTIK  
 AVANESSIANS, ARTIK  
 AVIBANK MANUFACTURING  
 AVIBANK MANUFACTURING  
 BENCO ENTERPRISES, INC.  
 BENCO ENTERPRISES, INC.  
 BROCK BUS LINES  
 BROCK BUS LINES  
 BROCK BUS LINES  
 BURBANK STEEL TREATING, INC.  
 BURBANK STEEL TREATING, INC.  
 BURBANK STEEL TREATING, INC.  
 BURBANK STEEL TREATING, INC.  
 BURMAN TECHNICAL SERVICES, INC.  
 CARL M. BUCK BUILDING CO.  
 CHARLES C. LITCHFIELD  
 CHARLES C. LITCHFIELD  
 COLTEC INDUSTRIES, INC.  
 COLTEC INDUSTRIES, INC.  
 COMET PLATING CO., INC.  
 COMMERCIAL INSPECTION SERVICES  
 COMMERCIAL INSPECTION SERVICES  
 COURTAULDS AEROSPACE, INC.  
 COURTAULDS AEROSPACE, INC.  
 COURTAULDS AEROSPACE, INC.  
 CREDIT MANAGERS ASSOCIATION OF CALIFORNIA  
 DATRON INC.  
 DATRON INC.  
 DATRON INC.  
 DATRON, INC.  
 DAVID J. HIGGINS, TRUSTEE  
 DAVID J. HIGGINS, TRUSTEE  
 DOROTHY A. KAHL & WILLIAM C. KAHL  
 DRILUBE COMPANY  
 DRILUBE COMPANY  
 EDWARD FURER TRUST  
 ESTATE OF HELEN L. POWERS  
 EXCELLO PLATING  
 EXCELLO PLATING  
 FIBER-RESIN CORP.  
 FIBER-RESIN CORPORATION

[Click this hyperlink](#) while viewing on your computer to access  
 94 additional PRP: record(s) in the EDR Site Report.

**A1**  
**WSW**  
**< 1/8**  
**0.007 mi.**  
**39 ft.**

**90328**  
**1435 W GLENOAKS BLVD**  
**GLENDAL, CA 91201**  
**Site 1 of 17 in cluster A**

**HIST UST**    **U001566832**  
**N/A**

**Relative:**  
**Lower**

HIST UST:  
 Region:            STATE  
 Facility ID:        00000061786  
 Facility Type:      Gas Station  
 Other Type:        Not reported  
 Total Tanks:       0004  
 Contact Name:      SMART, RAY G

**Actual:**  
**525 ft.**

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

90328 (Continued)

U001566832

Telephone: 8182425206  
Owner Name: CHEVRON U.S.A. INC.  
Owner Address: 575 MARKET  
Owner City,St,Zip: SAN FRANCISCO, CA 94105

Tank Num: 001  
Container Num: 1  
Year Installed: 1965  
Tank Capacity: 00003000  
Tank Used for: PRODUCT  
Type of Fuel: Not reported  
Tank Construction: 0000170 unknown  
Leak Detection: Stock Inventor

Tank Num: 002  
Container Num: 2  
Year Installed: 1965  
Tank Capacity: 00007000  
Tank Used for: PRODUCT  
Type of Fuel: Not reported  
Tank Construction: 0000250 unknown  
Leak Detection: Stock Inventor

Tank Num: 003  
Container Num: 3  
Year Installed: 1965  
Tank Capacity: 00008000  
Tank Used for: PRODUCT  
Type of Fuel: Not reported  
Tank Construction: 0000250 unknown  
Leak Detection: Stock Inventor

Tank Num: 004  
Container Num: 4  
Year Installed: 1965  
Tank Capacity: 00001000  
Tank Used for: WASTE  
Type of Fuel: Not reported  
Tank Construction: 0000130 unknown  
Leak Detection: Stock Inventor

A2  
WSW  
< 1/8  
0.007 mi.  
39 ft.

SMART RAY G CHEVRON STATION  
1435 W GLENOAKS BLVD  
GLENDALE, CA 91200

EDR US Hist Auto Stat 1008993448  
N/A

Site 2 of 17 in cluster A

Relative:  
Lower  
  
Actual:  
525 ft.

EDR Historical Auto Stations:  
Name: WILLIAMSON FRANCES E  
Year: 1955  
Type: GASOLINE STATIONS  
  
Name: WILLIAMSON FRANCIS E  
Year: 1960  
Type: GAS STATIONS  
  
Name: WILLIAMSON FRANCIS E  
Year: 1960

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**SMART RAY G CHEVRON STATION (Continued)**

**1008993448**

Type: GAS STATIONS  
Name: SMART RAY G CHEVRON GAS STATION  
Year: 1967  
Type: GASOLINE STATIONS  
Name: SMART RAY G CHEVRON STATION  
Year: 1967  
Type: Not reported  
Name: SMART RAY G CHEVRON GAS STATION  
Year: 1968  
Type: Not reported  
Name: SMART RAY G CHEVRON GAS STATION  
Year: 1968  
Type: Not reported  
Name: SMART RAY G CHEVRON SERVICE  
Year: 1971  
Type: Not reported  
Name: SMART RAY G CHEVRON SERVICE  
Year: 1971  
Type: Not reported  
Name: SMART RAY G CHEVRON SERVICE  
Year: 1972  
Type: GASOLINE STATIONS  
Name: SMART RAY G CHEVRON SERVICE  
Year: 1972  
Type: GASOLINE STATIONS

**A3**  
**WSW**  
**< 1/8**  
**0.007 mi.**  
**39 ft.**

**RIO CLEANERS**  
**1427 W GLEN OAKS BLVD STE A**  
**GLENDALE, CA**  
**Site 3 of 17 in cluster A**

**RCRA-SQG** **1001085535**  
**FINDS** **CAR000008581**  
**HAZNET**

**Relative:**  
**Lower**

RCRA-SQG:

**Actual:**  
**524 ft.**

Date form received by agency: 01/24/1996  
Facility name: RIO CLEANERS  
Facility address: 1427 W GLEN OAKS BLVD STE A  
GLENDALE, CA 91201  
EPA ID: CAR000008581  
Mailing address: W GLEN OAKS BLVD STE A  
GLENDALE, CA 91201  
Contact: JOE TOKMADGIAN  
Contact address: 1427 W GLEN OAKS BLVD STE A  
GLENDALE, CA 91201  
Contact country: US  
Contact telephone: (818) 242-3062  
Contact email: Not reported  
EPA Region: 09  
Classification: Small Small Quantity Generator  
Description: Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**RIO CLEANERS (Continued)**

**1001085535**

hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:

Owner/operator name: JOE TOKMADGIAN  
Owner/operator address: 1427 W GLEN OAKS BLVD STE A  
GLENDALE, CA 91201  
Owner/operator country: Not reported  
Owner/operator telephone: (818) 242-3062  
Legal status: Private  
Owner/Operator Type: Owner  
Owner/Op start date: Not reported  
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No  
Mixed waste (haz. and radioactive): No  
Recycler of hazardous waste: No  
Transporter of hazardous waste: No  
Treater, storer or disposer of HW: No  
Underground injection activity: No  
On-site burner exemption: No  
Furnace exemption: No  
Used oil fuel burner: No  
Used oil processor: No  
User oil refiner: No  
Used oil fuel marketer to burner: No  
Used oil Specification marketer: No  
Used oil transfer facility: No  
Used oil transporter: No

Violation Status: No violations found

FINDS:

Registry ID: 110002909675

Environmental Interest/Information System

California Hazardous Waste Tracking System - Datamart (HWTS-DATAMART) provides California with information on hazardous waste shipments for generators, transporters, and treatment, storage, and disposal facilities.

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

HAZNET:

Year: 2005  
Gepaid: CAR000008581  
Contact: JOE TOKMADGIAN

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**RIO CLEANERS (Continued)**

**1001085535**

Telephone: 8182423062  
Mailing Name: Not reported  
Mailing Address: 1427 W GLENOAKS BLVD STE A  
Mailing City,St,Zip: GLENDALE, CA 912011910  
Gen County: Not reported  
TSD EPA ID: NVR000076158  
TSD County: Not reported  
Waste Category: Halogenated solvents (chloroforms, methyl chloride, perchloroethylene, etc)  
Disposal Method: Not reported  
Tons: 0.22  
Facility County: Los Angeles

Year: 2005  
Gepaid: CAR000008581  
Contact: JOE TOKMADJIAN  
Telephone: 8182423062  
Mailing Name: Not reported  
Mailing Address: 1427 W GLENOAKS BLVD STE A  
Mailing City,St,Zip: GLENDALE, CA 912011910  
Gen County: Not reported  
TSD EPA ID: NVR000076158  
TSD County: Not reported  
Waste Category: Aqueous solution with total organic residues less than 10 percent  
Disposal Method: Not reported  
Tons: Not reported  
Facility County: Los Angeles

Year: 2005  
Gepaid: CAR000008581  
Contact: JOE TOKMADJIAN  
Telephone: 8182423062  
Mailing Name: Not reported  
Mailing Address: 1427 W GLENOAKS BLVD STE A  
Mailing City,St,Zip: GLENDALE, CA 912011910  
Gen County: Not reported  
TSD EPA ID: NVR000076158  
TSD County: Not reported  
Waste Category: Halogenated solvents (chloroforms, methyl chloride, perchloroethylene, etc)  
Disposal Method: Invalid Code  
Tons: 0.22  
Facility County: Los Angeles

Year: 2005  
Gepaid: CAR000008581  
Contact: JOE TOKMADJIAN  
Telephone: 8182423062  
Mailing Name: Not reported  
Mailing Address: 1427 W GLENOAKS BLVD STE A  
Mailing City,St,Zip: GLENDALE, CA 912011910  
Gen County: Not reported  
TSD EPA ID: NVR000076158  
TSD County: Not reported  
Waste Category: Hydrocarbon solvents (benzene, hexane, Stoddard, Etc.)  
Disposal Method: Not reported  
Tons: Not reported



Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**RIO CLEANERS (Continued)**

**1001085535**

Facility County: Los Angeles

Year: 2004  
 Gepaid: CAR000008581  
 Contact: JOE TOKMADJIAN  
 Telephone: 8182423062  
 Mailing Name: Not reported  
 Mailing Address: 1427 W GLENOAKS BLVD STE A  
 Mailing City, St, Zip: GLENDALE, CA 912011910  
 Gen County: Not reported  
 TSD EPA ID: NVR000076158  
 TSD County: Not reported  
 Waste Category: Hydrocarbon solvents (benzene, hexane, Stoddard, Etc.)  
 Disposal Method: Not reported  
 Tons: Not reported  
 Facility County: Los Angeles

[Click this hyperlink](#) while viewing on your computer to access  
 16 additional CA\_HAZNET: record(s) in the EDR Site Report.

**A4**  
**WSW**  
**< 1/8**  
**0.007 mi.**  
**39 ft.**

**1427 W GLENOAKS BLVD**  
**GLENDALE, CA 91201**

**EDR US Hist Cleaners 1014993288**  
**N/A**

**Site 4 of 17 in cluster A**

**Relative:**  
**Lower**

EDR Historical Cleaners:

**Actual:**  
**524 ft.**

Name: RIO CLEANERS  
 Year: 1999  
 Address: 1427 W GLENOAKS BLVD

Name: RIO CLEANERS  
 Year: 2001  
 Address: 1427 W GLENOAKS BLVD

Name: RIO CLEANERS INC  
 Year: 2002  
 Address: 1427 W GLENOAKS BLVD

Name: RIO CLEANERS INC  
 Year: 2003  
 Address: 1427 W GLENOAKS BLVD

Name: RIO CLEANERS  
 Year: 2004  
 Address: 1427 W GLENOAKS BLVD

Name: RIO CLEANERS INC  
 Year: 2006  
 Address: 1427 W GLENOAKS BLVD

Name: RIO CLEANERS INC  
 Year: 2007  
 Address: 1427 W GLENOAKS BLVD

Name: RIO CLEANERS INC  
 Year: 2008  
 Address: 1427 W GLENOAKS BLVD

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

(Continued)

1014993288

Name: RIO CLEANERS  
Year: 2010  
Address: 1427 W GLENOAKS BLVD  
  
Name: RIO CLEANERS  
Year: 2011  
Address: 1427 W GLENOAKS BLVD  
  
Name: RIO CLEANERS  
Year: 2012  
Address: 1427 W GLENOAKS BLVD

A5  
WSW  
< 1/8  
0.008 mi.  
41 ft.

**WILLIAMSON FRANCES E  
1435 W GLENOAKS  
GLENDALE, CA**

EDR US Hist Auto Stat

1009050005  
N/A

Site 5 of 17 in cluster A

Relative:  
Lower

EDR Historical Auto Stations:

Name: WILLIAMSON FRANCES E  
Year: 1955  
Type: GASOLINE STATIONS

Actual:  
525 ft.

A6  
SW  
< 1/8  
0.018 mi.  
95 ft.

**F.A. SCAUONE CO.  
1428 W GLENOAKS BLVD  
GLENDALE, CA 91201**

WIP S106767933  
N/A

Site 6 of 17 in cluster A

Relative:  
Lower

WIP:

Region: 4  
File Number: 109.1716  
**File Status: Historical**  
Staff: KLEE  
Facility Suite: Not reported

Actual:  
523 ft.

A7  
SW  
< 1/8  
0.020 mi.  
108 ft.

**LYMP LINUS SERVICE  
1436 W GLENOAKS BLVD  
GLENDALE, CA 91200**

EDR US Hist Auto Stat

1008995777  
N/A

Site 7 of 17 in cluster A

Relative:  
Lower

EDR Historical Auto Stations:

Name: JACKSON C B  
Year: 1945  
Type: AUTO SERVICE STATIONS GASOLINE AND OIL

Actual:  
524 ft.

Name: JACKSON C B  
Year: 1945  
Type: AUTO SERVICE STATIONS GASOLINE AND OIL

Name: INGRAM OTTO & SON  
Year: 1955  
Type: GASOLINE STATIONS

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**LYMP LINUS SERVICE (Continued)**

**1008995777**

Name: INGRAM OTTO & SON  
Year: 1955  
Type: GASOLINE STATIONS

Name: ANDERSON ALLEN A  
Year: 1960  
Type: GAS STATIONS

Name: ANDERSON ALLEN A  
Year: 1960  
Type: GAS STATIONS

Name: LYMP LINUS SERVICE  
Year: 1964  
Type: Not reported

Name: LYMP LINUS SERVICE  
Year: 1964  
Type: Not reported

Name: LYMP LINUS SERV  
Year: 1967  
Type: GASOLINE STATIONS

Name: RANDY'S UNION SERVICE  
Year: 1970  
Type: Not reported

Name: BOB'S UNION SERVICE  
Year: 1971  
Type: Not reported

**A8**  
**SW**  
**< 1/8**  
**0.020 mi.**  
**108 ft.**

**EXPRESS PRESS,INC.**  
**1436 W GLENOAKS BLVD**  
**GLENDAL, CA 91201**

**Site 8 of 17 in cluster A**

**Relative:**  
**Lower**

WIP:  
Region: 4  
File Number: 109.0409  
**File Status: Historical**  
Staff: UNIDENTIFIED  
Facility Suite: Not reported

**Actual:**  
**524 ft.**

**WIP S106767487**  
**N/A**

**A9**  
**SW**  
**< 1/8**  
**0.021 mi.**  
**109 ft.**

**SCOVERN MORTUARY**  
**1432 W GLENOAKS BLVD**  
**GLENDAL, CA 91201**

**Site 9 of 17 in cluster A**

**Relative:**  
**Lower**

WIP:  
Region: 4  
File Number: 109.0603  
**File Status: Historical**  
Staff: UNIDENTIFIED

**Actual:**  
**524 ft.**

**WIP S106767578**  
**N/A**

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**SCOVERN MORTUARY (Continued)**

**S106767578**

Facility Suite: Not reported

**A10**  
**SW**  
**< 1/8**  
**0.021 mi.**  
**109 ft.**

**1434 W GLENOAKS BLVD**  
**GLENDAL, CA 91201**

**EDR US Hist Cleaners**    **1014993594**  
**N/A**

**Site 10 of 17 in cluster A**

**Relative:**  
**Lower**

EDR Historical Cleaners:

Name: REGENCY CLEANERS  
Year: 1999  
Address: 1434 W GLENOAKS BLVD

**Actual:**  
**524 ft.**

Name: REGENCY CLEANERS  
Year: 2005  
Address: 1434 W GLENOAKS BLVD

Name: REGENCY CLEANERS  
Year: 2006  
Address: 1434 W GLENOAKS BLVD

Name: REGENCY CLEANERS  
Year: 2011  
Address: 1434 W GLENOAKS BLVD

Name: REGENCY CLEANERS  
Year: 2012  
Address: 1434 W GLENOAKS BLVD

**A11**  
**SW**  
**< 1/8**  
**0.021 mi.**  
**109 ft.**

**REGENCY CLEANERS**  
**1434 W GLENOAKS BLVD.**  
**GLENDAL, CA 91201**

**LA Co. Site Mitigation**    **S106166659**  
**DRYCLEANERS**    **N/A**  
**WIP**  
**EMI**

**Site 11 of 17 in cluster A**

**Relative:**  
**Lower**

LA Co. Site Mitigation:

Facility ID: Not reported  
Site ID: SD0011318  
Jurisdiction: State  
Case ID: RO0001086  
Abated: Not reported  
Assigned To: Not reported  
Entered Date: 05/11/2004

**Actual:**  
**524 ft.**

DRYCLEANERS:

EPA Id: CAD981657679  
NAICS Code: 81232  
NAICS Description: Drycleaning and Laundry Services (except Coin-Operated)  
SIC Code: 7211  
SIC Description: Power Laundries, Family and Commercial  
Create Date: 04/10/1987  
Facility Active: No  
Inactive Date: 06/30/2007  
Facility Addr2: Not reported  
Owner Name: ALEK BAZOUKIAN  
Owner Address: 1434 W GLENOAKS BLVD

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**REGENCY CLEANERS (Continued)**

**S106166659**

Owner Address 2: Not reported  
Owner Telephone: 8182467043  
Contact Name: ALEZ BAZOUKIAN  
Contact Address: 1434 W GLENOAKS BLVD  
Contact Address 2: Not reported  
Contact Telephone: 8182467043

WIP:

Region: 4  
File Number: 109.0562  
**File Status: Historical**  
Staff: AZASZKOD  
Facility Suite: Not reported

EMI:

Year: 1987  
County Code: 19  
Air Basin: SC  
Facility ID: 54712  
Air District Name: SC  
SIC Code: 7216  
Air District Name: SOUTH COAST AQMD  
Community Health Air Pollution Info System: Not reported  
Consolidated Emission Reporting Rule: Not reported  
Total Organic Hydrocarbon Gases Tons/Yr: 1  
Reactive Organic Gases Tons/Yr: 0  
Carbon Monoxide Emissions Tons/Yr: 0  
NOX - Oxides of Nitrogen Tons/Yr: 0  
SOX - Oxides of Sulphur Tons/Yr: 0  
Particulate Matter Tons/Yr: 0  
Part. Matter 10 Micrometers & Smlr Tons/Yr: 0

Year: 1990  
County Code: 19  
Air Basin: SC  
Facility ID: 54712  
Air District Name: SC  
SIC Code: 7216  
Air District Name: SOUTH COAST AQMD  
Community Health Air Pollution Info System: Not reported  
Consolidated Emission Reporting Rule: Not reported  
Total Organic Hydrocarbon Gases Tons/Yr: 1  
Reactive Organic Gases Tons/Yr: 0  
Carbon Monoxide Emissions Tons/Yr: 0  
NOX - Oxides of Nitrogen Tons/Yr: 0  
SOX - Oxides of Sulphur Tons/Yr: 0  
Particulate Matter Tons/Yr: 0  
Part. Matter 10 Micrometers & Smlr Tons/Yr: 0

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

A12  
WNW  
< 1/8  
0.041 mi.  
217 ft.

**KWIK #6.**  
**1501 W GLENOAKS BLVD**  
**GLENDAL, CA 91205**

**HIST UST**    **U001566976**  
**N/A**

**Site 12 of 17 in cluster A**

**Relative:**  
**Higher**

HIST UST:

**Actual:**  
**530 ft.**

Region: STATE  
Facility ID: 00000005419  
Facility Type: Gas Station  
Other Type: Not reported  
Total Tanks: 0006  
Contact Name: MONTRI  
Telephone: 2136664471  
Owner Name: AL-SAL OIL CO.  
Owner Address: 5121 SUNSET BLVD.  
Owner City,St,Zip: LOS ANGELES, CA 90027

Tank Num: 001  
Container Num: 1  
Year Installed: 1975  
Tank Capacity: 00012000  
Tank Used for: PRODUCT  
Type of Fuel: UNLEADED  
Tank Construction: 1/4 inches  
Leak Detection: Stock Inventor, 10

Tank Num: 002  
Container Num: 2  
Year Installed: 1975  
Tank Capacity: 00012000  
Tank Used for: PRODUCT  
Type of Fuel: UNLEADED  
Tank Construction: 1/4 inches  
Leak Detection: Stock Inventor, 10

Tank Num: 003  
Container Num: 3  
Year Installed: 1975  
Tank Capacity: 00012000  
Tank Used for: PRODUCT  
Type of Fuel: PREMIUM  
Tank Construction: 1/4 inches  
Leak Detection: Stock Inventor, 10

Tank Num: 004  
Container Num: 4  
Year Installed: 1975  
Tank Capacity: 00012000  
Tank Used for: PRODUCT  
Type of Fuel: PREMIUM  
Tank Construction: 1/4 inches  
Leak Detection: Stock Inventor, 10

Tank Num: 005  
Container Num: 5  
Year Installed: 1975  
Tank Capacity: 00012000  
Tank Used for: PRODUCT

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**KWIK #6. (Continued)**

**U001566976**

Type of Fuel: UNLEADED  
Tank Construction: 1/4 inches  
Leak Detection: Stock Inventor, 10

Tank Num: 006  
Container Num: 6  
Year Installed: 1975  
Tank Capacity: 00012000  
Tank Used for: PRODUCT  
Type of Fuel: UNLEADED  
Tank Construction: 1/4 inches  
Leak Detection: 10

**A13  
WNW  
< 1/8  
0.041 mi.  
217 ft.**

**MAIN'S PHILLIPS 66  
1501 W GLENOAKS BLVD  
GLENDALE, CA 91200**

**EDR US Hist Auto Stat 1008995422  
N/A**

**Site 13 of 17 in cluster A**

**Relative:  
Higher**

**EDR Historical Auto Stations:**

Name: HARVEY S GARAGE  
Year: 1930

**Actual:  
530 ft.**

Type: SERVICE STATIONS (GASOLINE AND OIL)

Name: HARRY S GARAGE  
Year: 1930  
Type: AUTOMOBILE REPAIRING

Name: HARRY S GARAGE  
Year: 1930  
Type: AUTOMOBILE REPAIRING

Name: HARVEY S GARAGE  
Year: 1930  
Type: SERVICE STATIONS

Name: QUARLES MONROE  
Year: 1940  
Type: AUTO SERVICE STATIONS GAS AND OIL

Name: SEARLE N C  
Year: 1945  
Type: AUTO REPAIRING AND GARAGES

Name: ORR C L  
Year: 1945  
Type: AUTO SERVICE STATIONS GASOLINE AND OIL

Name: SEARLE N C  
Year: 1945  
Type: AUTO REPAIRING AND GARAGES

Name: ORR C L  
Year: 1945  
Type: AUTO SERVICE STATIONS GASOLINE AND OIL

Name: ORR SERVICE STATION  
Year: 1957

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**MAIN'S PHILLIPS 66 (Continued)**

**1008995422**

Type:	Not reported
Name:	ORR SERVICE STATION
Year:	1957
Type:	Not reported
Name:	ORR SERVICE STATION
Year:	1960
Type:	GAS STATIONS
Name:	ORR SERVICE STATION
Year:	1960
Type:	GAS STATIONS
Name:	GLENOAKS FLYING A SERVICE
Year:	1964
Type:	Not reported
Name:	BILL & BOB'S FLYING A SERVICE
Year:	1965
Type:	Not reported
Name:	NORM'S 66 SERVICE
Year:	1967
Type:	Not reported
Name:	NORM S SIXTY SIX SERVICE
Year:	1967
Type:	GASOLINE STATIONS
Name:	PAT'S SIXTY SIX SERVICE
Year:	1968
Type:	Not reported
Name:	CARL'S PHILLIP SIXTY SIX
Year:	1970
Type:	Not reported
Name:	MAIN'S PHILLIPS 66
Year:	1971
Type:	Not reported
Name:	LA PAINE RICHD PHILLIPS SIXTY SIX
Year:	1972
Type:	GASOLINE STATIONS
Name:	LA PAINE RICHD PHILLIPS SIXTY SIX
Year:	1972
Type:	GASOLINE STATIONS



MAP FINDINGS

Map ID  
Direction  
Distance  
Elevation

Site

Database(s)

EDR ID Number  
EPA ID Number

**A14**  
**WNW**  
**< 1/8**  
**0.043 mi.**  
**226 ft.**

**AL SAL OIL NO.6**  
**1501 W. GLENDALES BLVD.**  
**GLENDALE, CA 91201**

**UST**    **U003779505**  
**N/A**

**Site 14 of 17 in cluster A**

**Relative:**  
**Higher**

UST:  
Facility ID:        19-070-001501  
Latitude:            34.17063  
Longitude:          -118.2919  
Permitting Agency: GLENDALE, CITY OF

**Actual:**  
**530 ft.**

**15**  
**ENE**  
**< 1/8**  
**0.043 mi.**  
**228 ft.**

**1400 5TH ST**  
**GLENDALE, CA 91201**

**EDR US Hist Auto Stat**    **1015219575**  
**N/A**

**Relative:**  
**Higher**

EDR Historical Auto Stations:  
Name:                GOMEZ MOBIL MECHANIC  
Year:                 2002  
Address:             1400 5TH ST

**Actual:**  
**538 ft.**

**A16**  
**WNW**  
**< 1/8**  
**0.044 mi.**  
**232 ft.**

**AL SAL OIL #6**  
**1501 GLENOAKS BLVD W**  
**GLENDALE, CA 91201**

**HIST CORTESE**    **S103438020**  
**LUST**                **N/A**

**Site 15 of 17 in cluster A**

**Relative:**  
**Higher**

HIST CORTESE:  
Region:              CORTESE  
Facility County Code: 19  
Reg By:                LTNKA  
Reg Id:                10622

**Actual:**  
**530 ft.**

LUST:  
Region:                STATE  
Global Id:             T0603792961  
Latitude:              34.168384  
Longitude:            -118.286033  
Case Type:            LUST Cleanup Site  
Status:                Open - Assessment & Interim Remedial Action  
Status Date:         04/13/2010  
Lead Agency:         LOS ANGELES RWQCB (REGION 4)  
Case Worker:         CET  
Local Agency:        GLENDALE, CITY OF  
RB Case Number:     912010061  
LOC Case Number:    Not reported  
File Location:        Regional Board  
Potential Media Affect: Aquifer used for drinking water supply  
Potential Contaminants of Concern: Gasoline  
Site History:         Not reported

Click here to access the California GeoTracker records for this facility:

Contact:  
Global Id:              T0603792961  
Contact Type:         Local Agency Caseworker

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**AL SAL OIL #6 (Continued)**

**S103438020**

Contact Name: UNK  
Organization Name: GLENDALE, CITY OF  
Address: Not reported  
City: r4 UNKNOWN  
Email: Not reported  
Phone Number: Not reported

Global Id: T0603792961  
Contact Type: Regional Board Caseworker  
Contact Name: CHANDRA TYLER  
Organization Name: LOS ANGELES RWQCB (REGION 4)  
Address: Not reported  
City: R4 UNKNOWN  
Email: cetyler@waterboards.ca.gov  
Phone Number: Not reported

Status History:

Global Id: T0603792961  
Status: Open - Case Begin Date  
Status Date: 06/03/1998

Global Id: T0603792961  
Status: Open - Site Assessment  
Status Date: 08/16/2005

Global Id: T0603792961  
Status: Open - Remediation  
Status Date: 01/03/2006

Global Id: T0603792961  
Status: Open - Remediation  
Status Date: 01/12/2006

Global Id: T0603792961  
Status: Open - Remediation  
Status Date: 05/02/2006

Global Id: T0603792961  
Status: Open - Remediation  
Status Date: 05/17/2007

Global Id: T0603792961  
Status: Open - Assessment & Interim Remedial Action  
Status Date: 04/13/2010

Global Id: T0603792961  
Status: Open - Site Assessment  
Status Date: 08/14/1998

Global Id: T0603792961  
Status: Open - Site Assessment  
Status Date: 07/30/1999

Global Id: T0603792961  
Status: Open - Site Assessment  
Status Date: 12/07/1999

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**AL SAL OIL #6 (Continued)**

**S103438020**

Regulatory Activities:

Global Id:	T0603792961
Action Type:	RESPONSE
Date:	07/15/2009
Action:	Monitoring Report - Semi-Annually
Global Id:	T0603792961
Action Type:	RESPONSE
Date:	07/15/2010
Action:	Remedial Progress Report
Global Id:	T0603792961
Action Type:	RESPONSE
Date:	06/15/2012
Action:	Interim Remedial Action Plan
Global Id:	T0603792961
Action Type:	RESPONSE
Date:	01/15/2010
Action:	Monitoring Report - Semi-Annually
Global Id:	T0603792961
Action Type:	RESPONSE
Date:	07/15/2010
Action:	Conceptual Site Model
Global Id:	T0603792961
Action Type:	RESPONSE
Date:	07/15/2010
Action:	Monitoring Report - Semi-Annually
Global Id:	T0603792961
Action Type:	RESPONSE
Date:	06/25/2010
Action:	Soil and Water Investigation Report
Global Id:	T0603792961
Action Type:	RESPONSE
Date:	06/25/2010
Action:	Soil and Water Investigation Workplan - Addendum
Global Id:	T0603792961
Action Type:	RESPONSE
Date:	05/01/2006
Action:	Soil and Water Investigation Report
Global Id:	T0603792961
Action Type:	RESPONSE
Date:	05/01/2006
Action:	CAP/RAP - Final Remediation / Design Plan
Global Id:	T0603792961
Action Type:	RESPONSE
Date:	01/15/2006
Action:	Monitoring Report - Quarterly
Global Id:	T0603792961

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

AL SAL OIL #6 (Continued)

S103438020

Action Type: RESPONSE  
Date: 01/15/2006  
Action: Soil and Water Investigation Report

Global Id: T0603792961  
Action Type: RESPONSE  
Date: 05/01/2006  
Action: Soil and Water Investigation Report

Global Id: T0603792961  
Action Type: ENFORCEMENT  
Date: 07/15/2003  
Action: Staff Letter

Global Id: T0603792961  
Action Type: RESPONSE  
Date: 04/15/2008  
Action: Monitoring Report - Quarterly

Global Id: T0603792961  
Action Type: RESPONSE  
Date: 04/15/2008  
Action: Soil and Water Investigation Report

Global Id: T0603792961  
Action Type: RESPONSE  
Date: 05/14/2007  
Action: Remedial Progress Report

Global Id: T0603792961  
Action Type: RESPONSE  
Date: 01/15/2008  
Action: Sensitive Receptor Survey Report

Global Id: T0603792961  
Action Type: Other  
Date: 01/01/1950  
Action: Leak Reported

Global Id: T0603792961  
Action Type: RESPONSE  
Date: 01/15/2011  
Action: Conceptual Site Model

Global Id: T0603792961  
Action Type: ENFORCEMENT  
Date: 06/15/2009  
Action: Staff Letter

Global Id: T0603792961  
Action Type: RESPONSE  
Date: 07/15/2004  
Action: Soil and Water Investigation Report

Global Id: T0603792961  
Action Type: RESPONSE  
Date: 07/15/2004

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**AL SAL OIL #6 (Continued)**

**S103438020**

Action: Monitoring Report - Quarterly

Global Id: T0603792961  
Action Type: RESPONSE  
Date: 07/15/2004  
Action: Soil and Water Investigation Report

Global Id: T0603792961  
Action Type: RESPONSE  
Date: 07/15/2004  
Action: Interim Remedial Action Report

Global Id: T0603792961  
Action Type: RESPONSE  
Date: 07/15/2004  
Action: Soil and Water Investigation Report

Global Id: T0603792961  
Action Type: RESPONSE  
Date: 10/15/2004  
Action: Soil and Water Investigation Report

Global Id: T0603792961  
Action Type: RESPONSE  
Date: 10/15/2004  
Action: CAP/RAP - Final Remediation / Design Plan

Global Id: T0603792961  
Action Type: ENFORCEMENT  
Date: 04/13/2010  
Action: Staff Letter

Global Id: T0603792961  
Action Type: RESPONSE  
Date: 08/15/2012  
Action: Clean Up Fund - 5-Year Review Summary

Global Id: T0603792961  
Action Type: RESPONSE  
Date: 01/15/2014  
Action: Monitoring Report - Semi-Annually

Global Id: T0603792961  
Action Type: RESPONSE  
Date: 01/15/2014  
Action: Conceptual Site Model

Global Id: T0603792961  
Action Type: ENFORCEMENT  
Date: 08/16/2005  
Action: Staff Letter

Global Id: T0603792961  
Action Type: RESPONSE  
Date: 08/15/2003  
Action: Other Report / Document

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**AL SAL OIL #6 (Continued)**

**S103438020**

Global Id:	T0603792961
Action Type:	RESPONSE
Date:	05/14/2007
Action:	Monitoring Report - Quarterly
Global Id:	T0603792961
Action Type:	RESPONSE
Date:	05/14/2007
Action:	Conceptual Site Model
Global Id:	T0603792961
Action Type:	RESPONSE
Date:	05/14/2007
Action:	Well Installation Report
Global Id:	T0603792961
Action Type:	RESPONSE
Date:	07/15/2007
Action:	Monitoring Report - Quarterly
Global Id:	T0603792961
Action Type:	RESPONSE
Date:	07/15/2007
Action:	Conceptual Site Model
Global Id:	T0603792961
Action Type:	RESPONSE
Date:	01/15/2008
Action:	Conceptual Site Model
Global Id:	T0603792961
Action Type:	RESPONSE
Date:	01/15/2008
Action:	Monitoring Report - Quarterly
Global Id:	T0603792961
Action Type:	ENFORCEMENT
Date:	01/27/2005
Action:	Staff Letter
Global Id:	T0603792961
Action Type:	RESPONSE
Date:	07/15/2005
Action:	Soil and Water Investigation Report
Global Id:	T0603792961
Action Type:	RESPONSE
Date:	10/15/2005
Action:	Soil and Water Investigation Report
Global Id:	T0603792961
Action Type:	RESPONSE
Date:	10/15/2005
Action:	Monitoring Report - Quarterly
Global Id:	T0603792961
Action Type:	RESPONSE

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

AL SAL OIL #6 (Continued)

S103438020

Date: 07/15/2005  
Action: Monitoring Report - Quarterly

Global Id: T0603792961  
Action Type: RESPONSE  
Date: 01/15/2007  
Action: Monitoring Report - Quarterly

Global Id: T0603792961  
Action Type: RESPONSE  
Date: 01/15/2007  
Action: Soil and Water Investigation Report

Global Id: T0603792961  
Action Type: RESPONSE  
Date: 07/15/2012  
Action: Conceptual Site Model

Global Id: T0603792961  
Action Type: RESPONSE  
Date: 07/15/2013  
Action: Conceptual Site Model

Global Id: T0603792961  
Action Type: RESPONSE  
Date: 01/15/2013  
Action: Conceptual Site Model

Global Id: T0603792961  
Action Type: RESPONSE  
Date: 01/15/2013  
Action: Monitoring Report - Semi-Annually

Global Id: T0603792961  
Action Type: RESPONSE  
Date: 07/15/2012  
Action: Monitoring Report - Semi-Annually

Global Id: T0603792961  
Action Type: RESPONSE  
Date: 07/15/2006  
Action: Monitoring Report - Quarterly

Global Id: T0603792961  
Action Type: RESPONSE  
Date: 07/15/2009  
Action: Conceptual Site Model

Global Id: T0603792961  
Action Type: RESPONSE  
Date: 01/15/2009  
Action: Conceptual Site Model

Global Id: T0603792961  
Action Type: RESPONSE  
Date: 06/23/2009  
Action: Well Installation Workplan

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**AL SAL OIL #6 (Continued)**

**S103438020**

Global Id: T0603792961  
Action Type: RESPONSE  
Date: 05/28/2010  
Action: Clean Up Fund - 5-Year Review Summary

Global Id: T0603792961  
Action Type: RESPONSE  
Date: 07/15/2013  
Action: Monitoring Report - Semi-Annually

Global Id: T0603792961  
Action Type: RESPONSE  
Date: 08/18/2011  
Action: Clean Up Fund - 5-Year Review Summary

Global Id: T0603792961  
Action Type: RESPONSE  
Date: 07/15/2011  
Action: Conceptual Site Model

Global Id: T0603792961  
Action Type: RESPONSE  
Date: 04/15/2009  
Action: Conceptual Site Model

Global Id: T0603792961  
Action Type: RESPONSE  
Date: 04/15/2009  
Action: Monitoring Report - Quarterly

Global Id: T0603792961  
Action Type: RESPONSE  
Date: 10/15/2008  
Action: Monitoring Report - Quarterly

Global Id: T0603792961  
Action Type: RESPONSE  
Date: 01/15/2010  
Action: Conceptual Site Model

Global Id: T0603792961  
Action Type: ENFORCEMENT  
Date: 05/20/2004  
Action: 13267 Requirement

Global Id: T0603792961  
Action Type: RESPONSE  
Date: 07/15/2005  
Action: Soil and Water Investigation Report

Global Id: T0603792961  
Action Type: RESPONSE  
Date: 07/15/2005  
Action: Monitoring Report - Quarterly

Global Id: T0603792961  
Action Type: RESPONSE



Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

AL SAL OIL #6 (Continued)

S103438020

Date: 07/15/2005  
Action: Soil and Water Investigation Report

Global Id: T0603792961  
Action Type: RESPONSE  
Date: 07/15/2005  
Action: Soil and Water Investigation Report

Global Id: T0603792961  
Action Type: RESPONSE  
Date: 10/15/2006  
Action: Soil and Water Investigation Report

Global Id: T0603792961  
Action Type: ENFORCEMENT  
Date: 01/12/2006  
Action: Staff Letter

Global Id: T0603792961  
Action Type: Other  
Date: 01/01/1950  
Action: Leak Stopped

Global Id: T0603792961  
Action Type: RESPONSE  
Date: 07/15/2006  
Action: Soil and Water Investigation Report

Global Id: T0603792961  
Action Type: RESPONSE  
Date: 10/15/2006  
Action: Monitoring Report - Quarterly

Global Id: T0603792961  
Action Type: REMEDIATION  
Date: 01/01/1950  
Action: Soil Vapor Extraction (SVE)

Global Id: T0603792961  
Action Type: REMEDIATION  
Date: 01/01/1950  
Action: In Situ Physical/Chemical Treatment (other than SVE)

Global Id: T0603792961  
Action Type: RESPONSE  
Date: 05/01/2006  
Action: Monitoring Report - Quarterly

Global Id: T0603792961  
Action Type: ENFORCEMENT  
Date: 02/09/2007  
Action: Staff Letter

Global Id: T0603792961  
Action Type: RESPONSE  
Date: 07/15/2008  
Action: Soil and Water Investigation Report

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**AL SAL OIL #6 (Continued)**

**S103438020**

Global Id: T0603792961  
Action Type: RESPONSE  
Date: 07/15/2008  
Action: Monitoring Report - Quarterly

Global Id: T0603792961  
Action Type: RESPONSE  
Date: 01/15/2009  
Action: Monitoring Report - Quarterly

Global Id: T0603792961  
Action Type: RESPONSE  
Date: 10/15/2008  
Action: Conceptual Site Model

Global Id: T0603792961  
Action Type: RESPONSE  
Date: 02/24/2009  
Action: Clean Up Fund - 5-Year Review Summary

Global Id: T0603792961  
Action Type: RESPONSE  
Date: 01/15/2011  
Action: Monitoring Report - Semi-Annually

Global Id: T0603792961  
Action Type: Other  
Date: 01/01/1950  
Action: Leak Discovery

Global Id: T0603792961  
Action Type: RESPONSE  
Date: 01/15/2012  
Action: Conceptual Site Model

**LUST REG 4:**

Region: 4  
Regional Board: 04  
County: Los Angeles  
Facility Id: 912010061  
Status: Pollution Characterization  
Substance: Gasoline  
Substance Quantity: Not reported  
Local Case No: Not reported  
Case Type: Soil  
Abatement Method Used at the Site: OT  
Global ID: T0603792961  
W Global ID: Not reported  
Staff: CEC  
Local Agency: 19070  
Cross Street: SONORA ST  
Enforcement Type: DLLET  
Date Leak Discovered: 6/3/1998  
Date Leak First Reported: 8/14/1998  
Date Leak Record Entered: 8/20/1998  
Date Confirmation Began: 8/14/1998

Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**AL SAL OIL #6 (Continued)**

**S103438020**

Date Leak Stopped: 6/3/1998  
 Date Case Last Changed on Database: Not reported  
 Date the Case was Closed: Not reported  
 How Leak Discovered: OM  
 How Leak Stopped: Not reported  
 Cause of Leak: UNK  
 Leak Source: UNK  
 Operator: Not reported  
 Water System: Not reported  
 Well Name: Not reported  
 Approx. Dist To Production Well (ft): 1026.9269964641003096541470704  
 Source of Cleanup Funding: UNK  
 Preliminary Site Assessment Workplan Submitted: 7/30/1999  
 Preliminary Site Assessment Began: 12/7/1999  
 Pollution Characterization Began: 5/20/2004  
 Remediation Plan Submitted: Not reported  
 Remedial Action Underway: Not reported  
 Post Remedial Action Monitoring Began: Not reported  
 Enforcement Action Date: Not reported  
 Historical Max MTBE Date: Not reported  
 Hist Max MTBE Conc in Groundwater: Not reported  
 Hist Max MTBE Conc in Soil: 14  
 Significant Interim Remedial Action Taken: Not reported  
 GW Qualifier: Not reported  
 Soil Qualifier: Not reported  
 Organization: Not reported  
 Owner Contact: Not reported  
 Responsible Party: MR. MONTRI PHUVADAKORN  
 RP Address: 501 MARIN ST., SUITE 112B  
 Program: LUST  
 Lat/Long: 34.168384 / -1  
 Local Agency Staff: UNK  
 Beneficial Use: Not reported  
 Priority: Not reported  
 Cleanup Fund Id: Not reported  
 Suspended: Not reported  
 Assigned Name: Not reported  
 Summary: 1/25/00 SITE ASSESSMEN REPORT

**A17**  
**WNW**  
**< 1/8**  
**0.044 mi.**  
**232 ft.**

**AL SAL OIL CO., INC. #6**  
**1501 W GLENOAKS BLVD**  
**GLENDAL, CA 91201**  
**Site 16 of 17 in cluster A**

**CA FID UST**  
**SWEEPS UST**  
**LOS ANGELES CO. HMS**

**S101584526**  
**N/A**

**Relative:**  
**Higher**

CA FID UST:  
 Facility ID: 19012331  
 Regulated By: UTNKA  
 Regulated ID: Not reported  
 Cortese Code: Not reported  
 SIC Code: Not reported  
 Facility Phone: 8182445748  
 Mail To: Not reported  
 Mailing Address: 5121 SUNSET BLVD  
 Mailing Address 2: Not reported  
 Mailing City,St,Zip: GLENDALE 91201  
 Contact: Not reported  
 Contact Phone: Not reported

**Actual:**  
**530 ft.**

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**AL SAL OIL CO., INC. #6 (Continued)**

**S101584526**

DUNs Number: Not reported  
NPDES Number: Not reported  
EPA ID: Not reported  
Comments: Not reported  
Status: Active

**SWEEPS UST:**

Status: Active  
Comp Number: 16009  
Number: 1  
Board Of Equalization: Not reported  
Referral Date: 06-07-91  
Action Date: 06-07-91  
Created Date: 06-07-91  
Owner Tank Id: 1  
SWRCB Tank Id: 19-070-016009-000001  
Tank Status: A  
Capacity: 20000  
Active Date: 06-07-91  
Tank Use: M.V. FUEL  
STG: P  
Content: DIESEL  
Number Of Tanks: 4

Status: Active  
Comp Number: 16009  
Number: 1  
Board Of Equalization: Not reported  
Referral Date: 06-07-91  
Action Date: 06-07-91  
Created Date: 06-07-91  
Owner Tank Id: 2  
SWRCB Tank Id: 19-070-016009-000002  
Tank Status: A  
Capacity: 20000  
Active Date: 06-07-91  
Tank Use: M.V. FUEL  
STG: P  
Content: REG UNLEADED  
Number Of Tanks: Not reported

Status: Active  
Comp Number: 16009  
Number: 1  
Board Of Equalization: Not reported  
Referral Date: 06-07-91  
Action Date: 06-07-91  
Created Date: 06-07-91  
Owner Tank Id: 3  
SWRCB Tank Id: 19-070-016009-000003  
Tank Status: A  
Capacity: 20000  
Active Date: 06-07-91  
Tank Use: M.V. FUEL  
STG: P  
Content: REG UNLEADED  
Number Of Tanks: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**AL SAL OIL CO., INC. #6 (Continued)**

**S101584526**

Status: Active  
Comp Number: 16009  
Number: 1  
Board Of Equalization: Not reported  
Referral Date: 06-07-91  
Action Date: 06-07-91  
Created Date: 06-07-91  
Owner Tank Id: 4  
SWRCB Tank Id: 19-070-016009-000004  
Tank Status: A  
Capacity: 20000  
Active Date: 06-07-91  
Tank Use: M.V. FUEL  
STG: P  
Content: REG UNLEADED  
Number Of Tanks: Not reported

**LOS ANGELES CO. HMS:**

Region: LA  
Facility Id: 011067-011061  
Facility Type: T0  
Facility Status: Removed  
Area: 3D  
Permit Number: 00002549T  
Permit Status: Removed

**A18  
WNW  
< 1/8  
0.045 mi.  
238 ft.**

**BOYS RICHFIELD SERVICE  
1500 W GLENOAKS BLVD  
GLENDALE, CA 91200**

**EDR US Hist Auto Stat 1008995639  
N/A**

**Site 17 of 17 in cluster A**

**Relative:  
Higher  
  
Actual:  
528 ft.**

**EDR Historical Auto Stations:**

Name: AMELN & MC DOWELL  
Year: 1945  
Type: AUTO SERVICE STATIONS GASOLINE AND OIL  
  
Name: AMELN & MC DOWELL  
Year: 1945  
Type: AUTO SERVICE STATIONS GASOLINE AND OIL  
  
Name: BOYS RICHFIELD SERVICE  
Year: 1955  
Type: Not reported  
  
Name: BOYS RICHFIELD SERVICE  
Year: 1955  
Type: Not reported  
  
Name: BOYS RICHFIELD SERVICE  
Year: 1955  
Type: Not reported  
  
Name: BOYS RICHFIELD SERVICE  
Year: 1955  
Type: GASOLINE STATIONS

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**BOYS RICHFIELD SERVICE (Continued)**

**1008995639**

Name: BOYS RICHFIELD SERVICE  
Year: 1955  
Type: Not reported

Name: BOYS RICHFIELD SERVICE  
Year: 1955  
Type: Not reported

Name: BOYS RICHFIELD SERVICE  
Year: 1955  
Type: GASOLINE STATIONS

Name: BOYS RICHFIELD SERVICE  
Year: 1955  
Type: Not reported

Name: BOYS RICHFIELD SERVICE  
Year: 1955  
Type: Not reported

Name: BOYS RICHFIELD SERVICE  
Year: 1955  
Type: Not reported

Name: BOYS RICHFIELD SERVICE  
Year: 1960  
Type: GAS STATIONS

Name: BOYS RICHFIELD SERVICE  
Year: 1960  
Type: GAS STATIONS

Name: BOYS RICHFIELD SERV  
Year: 1967  
Type: GASOLINE STATIONS

Name: BOYS ARCO SERVICE  
Year: 1971  
Type: Not reported

Name: BOYS ARCO SERVICE  
Year: 1971  
Type: Not reported

Name: BOYS ARCO SERVICE  
Year: 1971  
Type: Not reported

Name: BOYS ARCO SERVICE  
Year: 1972  
Type: GASOLINE STATIONS

Name: BOYS ARCO SERVICE  
Year: 1972  
Type: GASOLINE STATIONS

MAP FINDINGS

Map ID			EDR ID Number
Direction			EPA ID Number
Distance			
Elevation	Site	Database(s)	

<b>B19</b> <b>SSE</b> < 1/8 0.050 mi. 262 ft.	<b>DRIER'S SANATARIUM</b> 1400 W GLENOAKS BLVD GLENDALE, CA 91201  Site 1 of 3 in cluster B	<b>WIP</b>	<b>S106767535</b> N/A
Relative: <b>Lower</b>	WIP: Region: 4 File Number: 109.0529		
Actual: <b>516 ft.</b>	<b>File Status: Historical</b> Staff: EN Facility Suite: Not reported		

<b>C20</b> <b>WNW</b> < 1/8 0.054 mi. 286 ft.	<b>R. E. WHITE</b> 1511 W GLENOAKS BLVD GLENDALE, CA 91201  Site 1 of 4 in cluster C	<b>WIP</b>	<b>S106767530</b> N/A
Relative: <b>Higher</b>	WIP: Region: 4 File Number: 109.0523		
Actual: <b>531 ft.</b>	<b>File Status: Historical</b> Staff: EN Facility Suite: Not reported		

<b>21</b> <b>NNE</b> < 1/8 0.064 mi. 339 ft.	<b>1154 SONORA AVE</b> GLENDALE, CA 91201	<b>EDR US Hist Auto Stat</b>	<b>1015169443</b> N/A
Relative: <b>Higher</b>	EDR Historical Auto Stations: Name: L & M AUTO BODY PARTS INC Year: 2009 Address: 1154 SONORA AVE		
Actual: <b>554 ft.</b>			

<b>C22</b> <b>WNW</b> < 1/8 0.065 mi. 343 ft.	<b>VITO S DRAPERIES &amp; UPHOLSTERING</b> 1519 W GLENOAKS BLVD GLENDALE, CA  Site 2 of 4 in cluster C	<b>EDR US Hist Cleaners</b>	<b>1009161547</b> N/A
Relative: <b>Higher</b>	EDR Historical Cleaners: Name: VITO S DRAPERIES & UPHOLSTERING Year: 1972 Type: CURTAIN CLEANERS		
Actual: <b>532 ft.</b>			

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**B23**  
**SSE**  
**< 1/8**  
**0.081 mi.**  
**429 ft.**

**FOULKE E F**  
**1356 W GLENOAKS BLVD**  
**GLENDALE, CA**

**EDR US Hist Auto Stat**

**1009013980**  
**N/A**

**Site 2 of 3 in cluster B**

**Relative:**  
**Lower**

EDR Historical Auto Stations:

Name: FOULKE E F  
Year: 1930  
Type: AUTOMOBILE REPAIRING

**Actual:**  
**514 ft.**

Name: FOULKE E F  
Year: 1930  
Type: AUTOMOBILE REPAIRING

**C24**  
**WNW**  
**< 1/8**  
**0.087 mi.**  
**462 ft.**

**GLENOAKS SELF SERVICE LAUNDRY**  
**1518 W GLENOAKS BLVD**  
**GLENDALE, CA**

**EDR US Hist Cleaners**

**1009125821**  
**N/A**

**Site 3 of 4 in cluster C**

**Relative:**  
**Higher**

EDR Historical Cleaners:

Name: LAUNDERETTE  
Year: 1951  
Type: LAUNDRIES SELF SERVE

**Actual:**  
**532 ft.**

Name: LAUNDERETTE  
Year: 1951  
Type: LAUNDRIES SELF SERVE

Name: GLENOAKS SELF SERVICE LAUNDRY  
Year: 1955  
Type: LAUNDRIES SELF SERVE

Name: GLENOAKS SELF SERVICE LAUNDRY  
Year: 1955  
Type: LAUNDRIES SELF SERVE

Name: GLENOAKS SELF SERVICE LAUNDRY  
Year: 1957  
Type: Not reported

**B25**  
**SE**  
**< 1/8**  
**0.101 mi.**  
**532 ft.**

**GLENOAKS RADIATOR SHOP**  
**1328 W GLENOAKS BLVD GRACIE RADIATOR SERVICE 470 W COLORA**  
**GLENDALE, CA**

**EDR US Hist Auto Stat**

**1009048408**  
**N/A**

**Site 3 of 3 in cluster B**

**Relative:**  
**Lower**

EDR Historical Auto Stations:

Name: LIPPA FRANK  
Year: 1940  
Type: AUTO SERVICE STATIONS GAS AND OIL

**Actual:**  
**511 ft.**

Name: GLENOAKS RADIATOR SHOP  
Year: 1955  
Type: RADIATOR REPAIRERS AUTOMOBILE



MAP FINDINGS

Map ID  
Direction  
Distance  
Elevation

Site

Database(s)

EDR ID Number  
EPA ID Number

**D26**  
**SE**  
**< 1/8**  
**0.103 mi.**  
**542 ft.**

**GLENDALE PUBLISHING CO.**  
**1305 W GLENOAKS BLVD**  
**GLENDALE, CA 91201**

**WIP** **S106767528**  
**N/A**

**Site 1 of 4 in cluster D**

**Relative:**  
**Lower**

WIP:  
Region: 4  
File Number: 109.0521  
**File Status: Historical**  
Staff: JG  
Facility Suite: Not reported

**Actual:**  
**512 ft.**

**C27**  
**WNW**  
**< 1/8**  
**0.104 mi.**  
**547 ft.**

**GLEN-CAL CLEANERS**  
**1524 W GLENOAKS BLVD**  
**GLENDALE, CA 91200**

**EDR US Hist Cleaners** **1009126202**  
**N/A**

**Site 4 of 4 in cluster C**

**Relative:**  
**Higher**

EDR Historical Cleaners:  
Name: GLEN-CAL CLEANERS  
Year: 1955  
Type: Not reported

Name: GLEN-CAL CLEANERS  
Year: 1955  
Type: Not reported

Name: GLEN-CAL CLEANERS  
Year: 1955  
Type: Not reported

Name: GLEN CAL CLEANERS  
Year: 1955  
Type: CLEANERS AND DYERS

Name: GLEN-CAL CLEANERS  
Year: 1955  
Type: Not reported

Name: GLEN CAL CLEANERS  
Year: 1955  
Type: CLEANERS AND DYERS

Name: GLEN-CAL CLEANERS  
Year: 1955  
Type: Not reported

Name: GLEN-CAL CLEANERS  
Year: 1955  
Type: Not reported

Name: GLEN CAL CLEANERS  
Year: 1960  
Type: CLOTHES PRESSERS AND CLEANERS

Name: GLEN CAL CLEANERS  
Year: 1960  
Type: CLOTHES PRESSERS AND CLEANERS

**Actual:**  
**533 ft.**

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**GLEN-CAL CLEANERS (Continued)**

**1009126202**

Name: GLEN CAL CLNRS  
Year: 1967  
Type: CLEANERS AND DYERS

**D28**  
**SE**  
**< 1/8**  
**0.117 mi.**  
**619 ft.**

**ORCHID CLEANERS**  
**1306 W GLENOAKS BLVD**  
**GLENDAL, CA 91200**

**EDR US Hist Cleaners** **1009126239**  
**N/A**

**Site 2 of 4 in cluster D**

**Relative:**  
**Lower**

EDR Historical Cleaners:

Name: HAYES CLEANERS  
Year: 1951  
Type: CLEANERS AND DYERS

**Actual:**  
**510 ft.**

Name: ORCHID CLEANERS  
Year: 1955  
Type: CLEANERS AND DYERS

Name: ORCHID CLEANERS  
Year: 1955  
Type: CLEANERS AND DYERS

Name: ORCHID CLEANERS  
Year: 1955  
Type: Not reported

Name: ORCHID CLEANERS  
Year: 1955  
Type: Not reported

Name: ORCHID CLEANERS  
Year: 1960  
Type: CLOTHES PRESSERS AND CLEANERS

Name: ORCHID CLEANERS  
Year: 1960  
Type: CLOTHES PRESSERS AND CLEANERS

**D29**  
**SE**  
**< 1/8**  
**0.117 mi.**  
**619 ft.**

**NORTHGLEN CHIROPRACTIC**  
**1306 W GLENOAKS BLVD**  
**GLENDAL, CA 91201**

**WIP** **S106767536**  
**N/A**

**Site 3 of 4 in cluster D**

**Relative:**  
**Lower**

WIP:

Region: 4  
File Number: 109.0530  
**File Status: Historical**  
Staff: AVELOZ  
Facility Suite: Not reported

**Actual:**  
**510 ft.**

MAP FINDINGS

Map ID			EDR ID Number
Direction			EPA ID Number
Distance			
Elevation	Site	Database(s)	

<b>E30</b> <b>NNW</b> <b>1/8-1/4</b> <b>0.131 mi.</b> <b>693 ft.</b>	<b>GRANDVIEW BRANCH LIBRARY</b> <b>1535 FIFTH ST</b> <b>GLENDALE, CA 91201</b>  <b>Site 1 of 2 in cluster E</b>	<b>WIP</b>	<b>S106767459</b> <b>N/A</b>
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<b>Relative:</b> <b>Higher</b>	<b>WIP:</b> Region: 4 File Number: 109.0132 <b>File Status: Historical</b> Staff: AVELOZ Facility Suite: Not reported
<b>Actual:</b> <b>556 ft.</b>	

<b>31</b> <b>WNW</b> <b>1/8-1/4</b> <b>0.132 mi.</b> <b>698 ft.</b>	<b>WARNER CONSTRUCTORS</b> <b>1544 W GLENOAKS BLVD</b> <b>GLENDALE, CA 91201</b>	<b>WIP</b>	<b>S104572381</b> <b>N/A</b>
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<b>Relative:</b> <b>Higher</b>	<b>WIP:</b> Region: 4 File Number: 109.0558 <b>File Status: Historical</b> Staff: EN Facility Suite: Not reported
<b>Actual:</b> <b>535 ft.</b>	

<b>E32</b> <b>NNW</b> <b>1/8-1/4</b> <b>0.141 mi.</b> <b>743 ft.</b>	<b>THOMAS JEFFERSON ELEM. SCHOOL</b> <b>1540 FIFTH ST</b> <b>GLENDALE, CA 91201</b>  <b>Site 2 of 2 in cluster E</b>	<b>WIP</b>	<b>S106767458</b> <b>N/A</b>
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<b>Relative:</b> <b>Higher</b>	<b>WIP:</b> Region: 4 File Number: 109.0131 <b>File Status: Historical</b> Staff: AVELOZ Facility Suite: Not reported
<b>Actual:</b> <b>557 ft.</b>	

<b>D33</b> <b>SE</b> <b>1/8-1/4</b> <b>0.154 mi.</b> <b>815 ft.</b>	<b>GLENDALE CYCLERY</b> <b>1250 GLENOAKS BLVD</b> <b>GLENDALE, CA 91201</b>  <b>Site 4 of 4 in cluster D</b>	<b>WIP</b>	<b>S106767537</b> <b>N/A</b>
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<b>Relative:</b> <b>Lower</b>	<b>WIP:</b> Region: 4 File Number: 109.0531 <b>File Status: Historical</b> Staff: UNIDENTIFIED Facility Suite: A
<b>Actual:</b> <b>508 ft.</b>	

MAP FINDINGS

Map ID  
Direction  
Distance  
Elevation

Site

Database(s)

EDR ID Number  
EPA ID Number

**F34**  
**SE**  
**1/8-1/4**  
**0.158 mi.**  
**832 ft.**

**CUSTOM DRAPERIES**  
**1237 W GLENOAKS BLVD**  
**GLENDAL, CA**

**EDR US Hist Cleaners**

**1009161537**  
**N/A**

**Site 1 of 6 in cluster F**

**Relative:**  
**Lower**  
  
**Actual:**  
**510 ft.**

EDR Historical Cleaners:  
Name: CUSTOM DRAPERIES  
Year: 1972  
Type: CURTAIN CLEANERS

**F35**  
**SE**  
**1/8-1/4**  
**0.158 mi.**  
**835 ft.**

**THRIFTY WASH & DRY CLEANING**  
**1244 W GLENOAKS BLVD**  
**GLENDAL, CA 91200**

**EDR US Hist Cleaners**

**1009125983**  
**N/A**

**Site 2 of 6 in cluster F**

**Relative:**  
**Lower**  
  
**Actual:**  
**508 ft.**

EDR Historical Cleaners:

- Name: THRIFTY WASH & DRY CLEANING  
Year: 1964  
Type: Not reported
- Name: THRIFTY WASH & DRY CLEANING  
Year: 1964  
Type: Not reported
- Name: THRIFTY WASH & DRY CLEANING  
Year: 1964  
Type: Not reported
- Name: THRIFTY WASH & DRY CLEANING  
Year: 1967  
Type: LAUNDRIES
- Name: THRIFTY WASH & DRY CLEANING  
Year: 1972  
Type: LAUNDRIES
- Name: THRIFTY WASH & DRY CLEANING  
Year: 1972  
Type: LAUNDRIES
- Name: COURTESY CLEANERS  
Year: 2003  
Address: 1244 W GLENOAKS BLVD
- Name: COURTESY CLEANERS  
Year: 2004  
Address: 1244 W GLENOAKS BLVD
- Name: COURTESY CLEANERS  
Year: 2005  
Address: 1244 W GLENOAKS BLVD
- Name: COURTESY CLEANERS  
Year: 2006  
Address: 1244 W GLENOAKS BLVD
- Name: COURTESY CLEANERS  
Year: 2007

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**THRIFTY WASH & DRY CLEANING (Continued)**

1009125983

Address: 1244 W GLENOAKS BLVD  
Name: COURTESY CLEANERS  
Year: 2008  
Address: 1244 W GLENOAKS BLVD  
Name: COURTESY CLEANERS  
Year: 2010  
Address: 1244 W GLENOAKS BLVD  
Name: COURTESY CLEANERS  
Year: 2011  
Address: 1244 W GLENOAKS BLVD

F36  
SE  
1/8-1/4  
0.161 mi.  
848 ft.

**GLENDAL PHOTO SERVICES**  
1235 W GLENOAKS BLVD  
GLENDAL, CA 91201

WIP S103966162  
N/A

Site 3 of 6 in cluster F

Relative:  
Lower

WIP:  
Region: 4  
File Number: 109.0520  
File Status: Historical  
Staff: AVELOZ  
Facility Suite: Not reported

Actual:  
510 ft.

F37  
SE  
1/8-1/4  
0.161 mi.  
852 ft.

**COURTESY CLEANERS**  
1242 1/2 W GLENOAKS BLVD  
GLENDAL, CA 91201

DRYCLEANERS S104576308  
EMI N/A

Site 4 of 6 in cluster F

Relative:  
Lower

DRYCLEANERS:  
EPA Id: CAL000374850  
NAICS Code: 81232  
NAICS Description: Drycleaning and Laundry Services (except Coin-Operated)  
SIC Code: 7211  
SIC Description: Power Laundries, Family and Commercial  
Create Date: 05/25/2012  
Facility Active: No  
Inactive Date: 06/30/2012  
Facility Addr2: Not reported  
Owner Name: ELITE CLEANERS INC  
Owner Address: 639 E OLIVE AVE UNIT 6  
Owner Address 2: Not reported  
Owner Telephone: 8186453020  
Contact Name: MAYKEL MORSHEDIAN  
Contact Address: 1242 1/2 W GLENOAKS BLVD  
Contact Address 2: Not reported  
Contact Telephone: 8186414686

Actual:  
508 ft.

EPA Id: CAL000329730  
NAICS Code: 81232  
NAICS Description: Drycleaning and Laundry Services (except Coin-Operated)  
SIC Code: 7211

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**COURTESY CLEANERS (Continued)**

**S104576308**

SIC Description: Power Laundries, Family and Commercial  
Create Date: 02/15/2008  
Facility Active: No  
Inactive Date: 06/30/2011  
Facility Addr2: Not reported  
Owner Name: GEE BONG SHIN  
Owner Address: 1242 1/2 W GLENOAKS BLVD  
Owner Address 2: Not reported  
Owner Telephone: 8182493542  
Contact Name: GEE BONG SHIN  
Contact Address: 1242 1/2 W GLENOAKS BLVD  
Contact Address 2: Not reported  
Contact Telephone: 8182493542

EPA Id: CAL000366863  
NAICS Code: 81232  
NAICS Description: Drycleaning and Laundry Services (except Coin-Operated)  
SIC Code: 7211  
SIC Description: Power Laundries, Family and Commercial  
Create Date: 08/22/2011  
Facility Active: Yes  
Inactive Date: Not reported  
Facility Addr2: Not reported  
Owner Name: THE CORNER CLEANERS INC  
Owner Address: 1242 1/2 W GLENOAKS BLVD  
Owner Address 2: Not reported  
Owner Telephone: 8182472499  
Contact Name: SARO CANIK  
Contact Address: 1242 1/2 W GLENOAKS BLVD  
Contact Address 2: Not reported  
Contact Telephone: 8182472499

**EMI:**

Year: 1990  
County Code: 19  
Air Basin: SC  
Facility ID: 71676  
Air District Name: SC  
SIC Code: 7216  
Air District Name: SOUTH COAST AQMD  
Community Health Air Pollution Info System: Not reported  
Consolidated Emission Reporting Rule: Not reported  
Total Organic Hydrocarbon Gases Tons/Yr: 2  
Reactive Organic Gases Tons/Yr: 0  
Carbon Monoxide Emissions Tons/Yr: 0  
NOX - Oxides of Nitrogen Tons/Yr: 0  
SOX - Oxides of Sulphur Tons/Yr: 0  
Particulate Matter Tons/Yr: 0  
Part. Matter 10 Micrometers & Smlr Tons/Yr: 0

MAP FINDINGS

Map ID			EDR ID Number
Direction			EPA ID Number
Distance			
Elevation	Site	Database(s)	

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<b>G38</b> East 1/8-1/4 0.201 mi. 1062 ft.	<b>KEMPER L R</b> 1327 GRANDVIEW AV GLENDALE, CA  Site 1 of 2 in cluster G  EDR Historical Auto Stations: Name: KEMPER L R Year: 1940 Type: AUTO SERVICE STATIONS GAS AND OIL	EDR US Hist Auto Stat   1009048407 N/A
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<b>G39</b> East 1/8-1/4 0.203 mi. 1071 ft.	<b>MOSHIER J F</b> 1327 GRANDVIEW GLENDALE, CA  Site 2 of 2 in cluster G  EDR Historical Auto Stations: Name: MOSHIER J F Year: 1930 Type: SERVICE STATIONS (GASOLINE AND OIL)  Name: MOSHIER J F Year: 1930 Type: SERVICE STATIONS	EDR US Hist Auto Stat   1009014413 N/A
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<b>H40</b> NW 1/8-1/4 0.206 mi. 1088 ft.	<b>LARRY LARSEN MUSIC STORE</b> 1607 W GLENOAKS BLVD GLENDALE, CA 91204  Site 1 of 2 in cluster H  WIP: Region: 4 File Number: 109.0524 <b>File Status: Historical</b> Staff: EN Facility Suite: Not reported	WIP   S106767531 N/A
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<b>F41</b> SE 1/8-1/4 0.209 mi. 1106 ft.	<b>BROADWAY TYPESETTING INC</b> 1220 W GLENOAKS BL #105 GLENDALE, CA 91201  Site 5 of 6 in cluster F  RCRA-SQG: Date form received by agency: 09/01/1996 Facility name: BROADWAY TYPESETTING INC Facility address: 1220 W GLENOAKS BL #105 GLENDALE, CA 91201 EPA ID: CAD982468464 Mailing address: W GLENOAKS BL #105 GLENDALE, CA 91201 Contact: Not reported Contact address: Not reported Contact country: Not reported	RCRA-SQG FINDS   1000145757 CAD982468464
--	---	---

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**BROADWAY TYPESETTING INC (Continued)**

**1000145757**

Contact telephone: Not reported  
Contact email: Not reported  
EPA Region: 09  
Classification: Small Small Quantity Generator  
Description: Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:

Owner/operator name: WINSOR BARBARA J  
Owner/operator address: NOT REQUIRED  
NOT REQUIRED, ME 99999  
Owner/operator country: Not reported  
Owner/operator telephone: (415) 555-1212  
Legal status: Private  
Owner/Operator Type: Owner  
Owner/Op start date: Not reported  
Owner/Op end date: Not reported

Owner/operator name: NOT REQUIRED  
Owner/operator address: NOT REQUIRED  
NOT REQUIRED, ME 99999  
Owner/operator country: Not reported  
Owner/operator telephone: (415) 555-1212  
Legal status: Private  
Owner/Operator Type: Operator  
Owner/Op start date: Not reported  
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No  
Mixed waste (haz. and radioactive): No  
Recycler of hazardous waste: No  
Transporter of hazardous waste: No  
Treater, storer or disposer of HW: No  
Underground injection activity: No  
On-site burner exemption: No  
Furnace exemption: No  
Used oil fuel burner: No  
Used oil processor: No  
User oil refiner: No  
Used oil fuel marketer to burner: No  
Used oil Specification marketer: No  
Used oil transfer facility: No  
Used oil transporter: No

Violation Status: No violations found

FINDS:

Registry ID: 110002818997

Environmental Interest/Information System

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of



Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**BROADWAY TYPESETTING INC (Continued)**

**1000145757**

events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

**F42**  
**SE**  
**1/8-1/4**  
**0.209 mi.**  
**1106 ft.**

**BROADWAY TYPESETTING, INC.**  
**1220 W GLENOAKS BLVD**  
**GLENDAL, CA 91201**

**WIP S106767906**  
**N/A**

**Site 6 of 6 in cluster F**

**Relative:**  
**Lower**

WIP:

Region: 4  
File Number: 109.1093

**Actual:**  
**506 ft.**

**File Status: Historical**  
Staff: UNIDENTIFIED  
Facility Suite: 105

**H43**  
**WNW**  
**1/8-1/4**  
**0.210 mi.**  
**1109 ft.**

**1608 W GLENOAKS BLVD**  
**GLENDAL, CA 91201**

**EDR US Hist Auto Stat 1015254295**  
**N/A**

**Site 2 of 2 in cluster H**

**Relative:**  
**Higher**

EDR Historical Auto Stations:

Name: C AUTO  
Year: 2006  
Address: 1608 W GLENOAKS BLVD

**Actual:**  
**540 ft.**

**44**  
**ESE**  
**1/8-1/4**  
**0.215 mi.**  
**1136 ft.**

**1234 GRANDVIEW AVE**  
**GLENDAL, CA 91201**

**EDR US Hist Cleaners 1014983917**  
**N/A**

**Relative:**  
**Lower**

EDR Historical Cleaners:

Name: ALLCARE MIRACLE CLEANERS  
Year: 2007  
Address: 1234 GRANDVIEW AVE

**Actual:**  
**518 ft.**

Name: ALLCARE MIRACLE CLEANERS  
Year: 2008  
Address: 1234 GRANDVIEW AVE

MAP FINDINGS

Map ID  
Direction  
Distance  
Elevation

Site

Database(s)

EDR ID Number  
EPA ID Number

**I45**  
**SE**  
**1/8-1/4**  
**0.216 mi.**  
**1143 ft.**

**UNITED AUTO REPAIR**  
**1213 W GLENOAKS BLVD**  
**GLENDAL, CA 91201**

**WIP** **S103993227**  
**N/A**

**Site 1 of 4 in cluster I**

**Relative:**  
**Lower**

WIP:  
Region: 4  
File Number: 109.0519  
**File Status: Historical**  
Staff: EN  
Facility Suite: Not reported

**Actual:**  
**508 ft.**

**I46**  
**SE**  
**1/8-1/4**  
**0.216 mi.**  
**1143 ft.**

**NEWBERRY AUTOMOTIVE SERVICE**  
**1213 W GLENOAKS BLVD**  
**GLENDAL, CA**

**EDR US Hist Auto Stat** **1009014653**  
**N/A**

**Site 2 of 4 in cluster I**

**Relative:**  
**Lower**

EDR Historical Auto Stations:

Name:	NEWBERRY AUTOMOTIVE SERVICE
Year:	1972
Type:	AUTOMOBILE REPAIRING
Name:	NEWBERRY AUTOMOTIVE SERVICE
Year:	1972
Type:	AUTOMOBILE REPAIRING
Name:	UNITED AUTO REPAIR INCORPORATED
Year:	1999
Address:	1213 W GLENOAKS BLVD
Name:	GLEN OAKS AUTO REPAIR SHOP
Year:	2001
Address:	1213 W GLENOAKS BLVD
Name:	GLEN OAKS AUTO REPAIR SHOP
Year:	2002
Address:	1213 W GLENOAKS BLVD
Name:	UNITED AUTO REPAIR INC
Year:	2003
Address:	1213 W GLENOAKS BLVD
Name:	UNITED AUTO REPAIR INC
Year:	2004
Address:	1213 W GLENOAKS BLVD
Name:	UNITED AUTO REPAIR INC
Year:	2005
Address:	1213 W GLENOAKS BLVD
Name:	UNITED AUTO REPAIR INC
Year:	2006
Address:	1213 W GLENOAKS BLVD
Name:	UNITED AUTO REPAIR INC
Year:	2007
Address:	1213 W GLENOAKS BLVD

**Actual:**  
**508 ft.**

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**NEWBERRY AUTOMOTIVE SERVICE (Continued)**

**1009014653**

Name: UNITED AUTO REPAIR INC  
Year: 2008  
Address: 1213 W GLENOAKS BLVD

Name: UNITED AUTO REPAIR INC  
Year: 2009  
Address: 1213 W GLENOAKS BLVD

Name: UNITED AUTO REPAIR INC  
Year: 2010  
Address: 1213 W GLENOAKS BLVD

Name: UNITED AUTO REPAIR INC  
Year: 2011  
Address: 1213 W GLENOAKS BLVD

Name: UNITED AUTO REPAIR INC  
Year: 2012  
Address: 1213 W GLENOAKS BLVD

**I47  
SE  
1/8-1/4  
0.217 mi.  
1148 ft.**

**UNITED AUTO REPAIR INC  
1213 W GLENOAKS BLVD  
GLENDALE, CA 91201**

**RCRA-SQG 1000595987  
FINDS CAD983599465**

**Site 3 of 4 in cluster I**

**Relative:  
Lower**

RCRA-SQG:

Date form received by agency: 08/01/1991

Facility name: UNITED AUTO REPAIR INC  
Facility address: 1213 W GLENOAKS BLVD  
GLENDALE, CA 91201

EPA ID: CAD983599465  
Contact: JOE AJABI  
Contact address: 1213 W GLENOAKS BLVD  
GLENDALE, CA 91201

Contact country: US  
Contact telephone: (818) 242-7887  
Contact email: Not reported

EPA Region: 09  
Classification: Small Small Quantity Generator

Description: Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:

Owner/operator name: HOSSEIN AJABI GEORGE OGHIGIAN  
Owner/operator address: NOT REQUIRED  
NOT REQUIRED, ME 99999

Owner/operator country: Not reported  
Owner/operator telephone: (415) 555-1212  
Legal status: Private

Owner/Operator Type: Owner  
Owner/Op start date: Not reported  
Owner/Op end date: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**UNITED AUTO REPAIR INC (Continued)**

**1000595987**

Owner/operator name: NOT REQUIRED  
Owner/operator address: NOT REQUIRED  
NOT REQUIRED, ME 99999  
Owner/operator country: Not reported  
Owner/operator telephone: (415) 555-1212  
Legal status: Private  
Owner/Operator Type: Operator  
Owner/Op start date: Not reported  
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No  
Mixed waste (haz. and radioactive): No  
Recycler of hazardous waste: No  
Transporter of hazardous waste: No  
Treater, storer or disposer of HW: No  
Underground injection activity: No  
On-site burner exemption: No  
Furnace exemption: No  
Used oil fuel burner: No  
Used oil processor: No  
User oil refiner: No  
Used oil fuel marketer to burner: No  
Used oil Specification marketer: No  
Used oil transfer facility: No  
Used oil transporter: No

Violation Status: No violations found

FINDS:

Registry ID: 110002856348

Environmental Interest/Information System

California Hazardous Waste Tracking System - Datamart (HWTS-DATAMART) provides California with information on hazardous waste shipments for generators, transporters, and treatment, storage, and disposal facilities.

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

J48  
SW  
1/8-1/4  
0.227 mi.  
1198 ft.

**BOB'S TEXACO SERVICE**  
**6348 SAN FERNANDO RD**  
**GLENDALE, CA 91200**  
**Site 1 of 14 in cluster J**

EDR US Hist Auto Stat 1008993745  
N/A

Relative:  
Lower  
Actual:  
492 ft.

EDR Historical Auto Stations:  
Name: HORNUNG HERMAN  
Year: 1940  
Type: AUTO SERVICE STATIONS GAS AND OIL

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**BOB'S TEXACO SERVICE (Continued)**

**1008993745**

Name: MOORE HOMER  
Year: 1940  
Type: AUTO REPAIRING

Name: GRISHAM F K  
Year: 1945  
Type: AUTO REPAIRING AND GARAGES

Name: GRISHAM F K  
Year: 1945  
Type: AUTO REPAIRING AND GARAGES

Name: KUHN S SERVICE STATION  
Year: 1945  
Type: AUTO SERVICE STATIONS GASOLINE AND OIL

Name: KUHN S SERVICE STATION  
Year: 1945  
Type: AUTO SERVICE STATIONS GASOLINE AND OIL

Name: WOODY S AUTO SERVICE  
Year: 1955  
Type: AUTOMOBILE REPAIRING

Name: JULIUS SUPER SERVICE  
Year: 1955  
Type: GASOLINE STATIONS

Name: JULIUS' SUPER SERVICE  
Year: 1955  
Type: Not reported

Name: JULIUS SUPER SERVICE  
Year: 1955  
Type: GASOLINE STATIONS

Name: WOODY S AUTO SERVICE  
Year: 1955  
Type: AUTOMOBILE REPAIRING

Name: JULIUS SUPER SERVICE  
Year: 1957  
Type: Not reported

Name: JULIUS SUPER SERVICE  
Year: 1957  
Type: Not reported

Name: JULIUS SUPER SERVICE  
Year: 1960  
Type: GAS STATIONS

Name: JULIUS SUPER SERVICE  
Year: 1960  
Type: GAS STATIONS

Name: WOODY S AUTO SERVICE

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**BOB'S TEXACO SERVICE (Continued)**

**1008993745**

Year: 1960  
Type: AUTOMOBILE REPAIRING

Name: WOODY S AUTO SERVICE  
Year: 1960  
Type: AUTOMOBILE REPAIRING

Name: BERT'S MOBIL SERVICE  
Year: 1964  
Type: Not reported

Name: BERT'S MOBIL SERVICE  
Year: 1964  
Type: Not reported

Name: BERT'S MOBIL SERVICE  
Year: 1964  
Type: Not reported

Name: BERT S MOBIL SERVICE  
Year: 1967  
Type: GASOLINE STATIONS

Name: Y WOODY S AUTO SERVICE  
Year: 1967  
Type: AUTOMOBILE REPAIRING

Name: BOB'S TEXACO SERVICE  
Year: 1970  
Type: Not reported

Name: BOB'S TEXACO SERVICE  
Year: 1970  
Type: Not reported

Name: WOODY S AUTO SERVICE  
Year: 1972  
Type: AUTOMOBILE REPAIRING

Name: BOB S TEXACO SERVICE  
Year: 1972  
Type: GASOLINE STATIONS

Name: WOODY S AUTO SERVICE  
Year: 1972  
Type: AUTOMOBILE REPAIRING

Name: BOB S TEXACO SERVICE  
Year: 1972  
Type: GASOLINE STATIONS

Name: DIRECT AUTO SERVICE  
Year: 1977  
Type: Not reported

MAP FINDINGS

Map ID  
 Direction  
 Distance  
 Elevation

Site

Database(s)

EDR ID Number  
 EPA ID Number

**J49**  
**SW**  
**1/8-1/4**  
**0.227 mi.**  
**1198 ft.**

**VERMONT MANAGEMENT CORP**  
**6348 SAN FERNANDO RD**  
**GLENDALE, CA 91201**

**SWEEPS UST**  
**LOS ANGELES CO. HMS**

**S102060530**  
**N/A**

**Site 2 of 14 in cluster J**

**Relative:**  
**Lower**

**SWEEPS UST:**  
 Status: Active  
 Comp Number: 10646  
 Number: 9  
 Board Of Equalization: Not reported  
 Referral Date: 12-12-90  
 Action Date: 12-12-90  
 Created Date: 06-30-89  
 Owner Tank Id: Not reported  
 SWRCB Tank Id: Not reported  
 Tank Status: Not reported  
 Capacity: Not reported  
 Active Date: Not reported  
 Tank Use: Not reported  
 STG: Not reported  
 Content: Not reported  
 Number Of Tanks: Not reported

**Actual:**  
**492 ft.**

**LOS ANGELES CO. HMS:**  
 Region: LA  
 Facility Id: 010699-010646  
 Facility Type: Not reported  
 Facility Status: Removed  
 Area: 3D  
 Permit Number: Not reported  
 Permit Status: Not reported

**J50**  
**SW**  
**1/8-1/4**  
**0.227 mi.**  
**1198 ft.**

**WERNERS CLEANING SERVICE**  
**6340 SAN FERNANDO RD**  
**GLENDALE, CA 91200**

**EDR US Hist Cleaners**

**1009126020**  
**N/A**

**Site 3 of 14 in cluster J**

**Relative:**  
**Lower**

**EDR Historical Cleaners:**  
 Name: BORDER BROS  
 Year: 1940  
 Type: CLEANERS AND DYERS

**Actual:**  
**491 ft.**

Name: WERNERS CLEANING SERVICE  
 Year: 1957  
 Type: Not reported

MAP FINDINGS

Map ID  
 Direction  
 Distance  
 Elevation

Site

Database(s)

EDR ID Number  
 EPA ID Number

**J51**  
**SW**  
**1/8-1/4**  
**0.227 mi.**  
**1198 ft.**

**ARMAN'S AUTO REPAIR**  
**6334 SAN FERNANDO RD**  
**GLENDALE, CA 91202**

**Site 4 of 14 in cluster J**

**WIP S102810878**  
**N/A**

**Relative:**  
**Lower**

WIP:  
 Region: 4  
 File Number: 109.0565  
**File Status: Historical**  
 Staff: MH  
 Facility Suite: Not reported

**Actual:**  
**491 ft.**

**J52**  
**SW**  
**1/8-1/4**  
**0.227 mi.**  
**1198 ft.**

**6334 SAN FERNANDO RD**  
**GLENDALE, CA 91201**

**Site 5 of 14 in cluster J**

**EDR US Hist Auto Stat 1015585293**  
**N/A**

**Relative:**  
**Lower**

EDR Historical Auto Stations:

Name:	ARMENS AUTO REPAIR
Year:	1999
Address:	6334 SAN FERNANDO RD
Name:	ARMENS AUTO REPAIR
Year:	2001
Address:	6334 SAN FERNANDO RD
Name:	ARMENS AUTO REPAIR
Year:	2002
Address:	6334 SAN FERNANDO RD
Name:	ARMENS AUTO REPAIR
Year:	2003
Address:	6334 SAN FERNANDO RD
Name:	ARMENS AUTO REPAIR
Year:	2004
Address:	6334 SAN FERNANDO RD
Name:	ARMENS AUTO REPAIR
Year:	2009
Address:	6334 SAN FERNANDO RD
Name:	ARMENS AUTO REPAIR
Year:	2010
Address:	6334 SAN FERNANDO RD
Name:	ARMENS AUTO REPAIR
Year:	2011
Address:	6334 SAN FERNANDO RD
Name:	ARMENS AUTO REPAIR
Year:	2012
Address:	6334 SAN FERNANDO RD

**Actual:**  
**491 ft.**



Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

I53  
SE  
1/8-1/4  
0.227 mi.  
1199 ft.

**AEROPLANE SERVICE STATION**  
1209 W GLENOAKS BLVD  
GLENDALE, CA

EDR US Hist Auto Stat

1009016026  
N/A

Site 4 of 4 in cluster I

Relative:  
Lower  
Actual:  
505 ft.

EDR Historical Auto Stations:

- Name: AEROPLANE SERVICE STATION  
Year: 1930  
Type: SERVICE STATIONS
- Name: AEROPLANE SERVICE STATION  
Year: 1930  
Type: AUTOMOBILE REPAIRING
- Name: AEROPLANE SERVICE STATION  
Year: 1930  
Type: SERVICE STATIONS (GASOLINE AND OIL)
- Name: AEROPLANE SERVICE STATION  
Year: 1930  
Type: AUTOMOBILE REPAIRING
- Name: HOLDEN J G  
Year: 1940  
Type: AUTO SERVICE STATIONS GAS AND OIL
- Name: POMMER BROS  
Year: 1940  
Type: AUTO REPAIRING
- Name: KENT A W  
Year: 1945  
Type: AUTO SERVICE STATIONS GASOLINE AND OIL
- Name: KENT A W  
Year: 1945  
Type: AUTO SERVICE STATIONS GASOLINE AND OIL
- Name: JOHNNY'S AUTO SERVICE  
Year: 1957  
Type: Not reported

J54  
SW  
1/8-1/4  
0.227 mi.  
1199 ft.

**GRAND CENTRAL CLEANERS**  
6330 SAN FERNANDO RD  
GLENDALE, CA

EDR US Hist Cleaners

1009142779  
N/A

Site 6 of 14 in cluster J

Relative:  
Lower  
Actual:  
490 ft.

EDR Historical Cleaners:

- Name: GRAND CENTRAL CLEANERS  
Year: 1945  
Type: CLEANERS AND DYERS
- Name: GRAND CENTRAL CLEANERS  
Year: 1945  
Type: CLEANERS AND DYERS

MAP FINDINGS

Map ID  
Direction  
Distance  
Elevation

Site

Database(s)

EDR ID Number  
EPA ID Number

**J55**  
**SW**  
**1/8-1/4**  
**0.227 mi.**  
**1199 ft.**

**SOUTHWEST ELECTRICAL**  
**6330 SAN FERNANDO RD**  
**GLENDALE, CA 91201**

**WIP** **S106767556**  
**N/A**

**Site 7 of 14 in cluster J**

**Relative:**  
**Lower**

WIP:  
Region: 4  
File Number: 109.0564  
**File Status: Historical**  
Staff: UNIDENTIFIED  
Facility Suite: Not reported

**J56**  
**SW**  
**1/8-1/4**  
**0.227 mi.**  
**1199 ft.**

**6318 SAN FERNANDO RD**  
**GLENDALE, CA 91201**

**EDR US Hist Auto Stat** **1015584657**  
**N/A**

**Site 8 of 14 in cluster J**

**Relative:**  
**Lower**

EDR Historical Auto Stations:  
Name: V & H AUTO REPAIR  
Year: 1999  
Address: 6318 SAN FERNANDO RD  
  
Name: V & H AUTO REPAIR  
Year: 2001  
Address: 6318 SAN FERNANDO RD

**J57**  
**SW**  
**1/8-1/4**  
**0.227 mi.**  
**1200 ft.**

**6316 SAN FERNANDO RD**  
**GLENDALE, CA 91201**

**EDR US Hist Auto Stat** **1015584615**  
**N/A**

**Site 9 of 14 in cluster J**

**Relative:**  
**Lower**

EDR Historical Auto Stations:  
Name: BEST AUTO ELECTRIC  
Year: 1999  
Address: 6316 SAN FERNANDO RD

**J58**  
**SW**  
**1/8-1/4**  
**0.227 mi.**  
**1200 ft.**

**BEST AUTO ELECTRIC**  
**6316 SAN FERNANDO RD**  
**GLENDALE, CA 91201**

**RCRA-SQG** **1000595479**  
**FINDS** **CAD983594169**  
**WIP**

**Site 10 of 14 in cluster J**

**Relative:**  
**Lower**

RCRA-SQG:  
Date form received by agency: 07/23/1991  
Facility name: BEST AUTO ELECTRIC  
Facility address: 6316 SAN FERNANDO RD  
GLENDALE, CA 91201  
EPA ID: CAD983594169  
Mailing address: SAN FERNANDO RD  
GLENDALE, CA 91201  
Contact: EDMUND SAFARIAN  
Contact address: 6316 SAN FERNANDO RD  
GLENDALE, CA 91201  
Contact country: US

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**BEST AUTO ELECTRIC (Continued)**

**1000595479**

Contact telephone: (818) 545-1144  
Contact email: Not reported  
EPA Region: 09  
Classification: Small Small Quantity Generator  
Description: Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

**Owner/Operator Summary:**

Owner/operator name: EDMUND SAFARIAN  
Owner/operator address: NOT REQUIRED  
NOT REQUIRED, ME 99999  
Owner/operator country: Not reported  
Owner/operator telephone: (415) 555-1212  
Legal status: Private  
Owner/Operator Type: Owner  
Owner/Op start date: Not reported  
Owner/Op end date: Not reported

Owner/operator name: NOT REQUIRED  
Owner/operator address: NOT REQUIRED  
NOT REQUIRED, ME 99999  
Owner/operator country: Not reported  
Owner/operator telephone: (415) 555-1212  
Legal status: Private  
Owner/Operator Type: Operator  
Owner/Op start date: Not reported  
Owner/Op end date: Not reported

**Handler Activities Summary:**

U.S. importer of hazardous waste: No  
Mixed waste (haz. and radioactive): No  
Recycler of hazardous waste: No  
Transporter of hazardous waste: No  
Treater, storer or disposer of HW: No  
Underground injection activity: No  
On-site burner exemption: No  
Furnace exemption: No  
Used oil fuel burner: No  
Used oil processor: No  
Used oil refiner: No  
Used oil fuel marketer to burner: No  
Used oil Specification marketer: No  
Used oil transfer facility: No  
Used oil transporter: No

Violation Status: No violations found

**FINDS:**

Registry ID: 110002852333

**Environmental Interest/Information System**

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of

Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**BEST AUTO ELECTRIC (Continued)**

**1000595479**

events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

WIP:

Region: 4  
 File Number: 109.0017  
**File Status: Historical**  
 Staff: RNEVAREZ  
 Facility Suite: Not reported

J59  
 SW  
 1/8-1/4  
 0.229 mi.  
 1208 ft.

**BODHOLDT A J**  
**6347 SAN FERNANDO RD**  
**GLENDALE, CA**

EDR US Hist Auto Stat

**1009017196**  
 N/A

Site 11 of 14 in cluster J

Relative:  
 Lower

EDR Historical Auto Stations:

Name: BODHOLDT A J  
 Year: 1940  
 Type: AUTO SERVICE STATIONS GAS AND OIL

Actual:  
 491 ft.

Name: BODHOLDT A J  
 Year: 1940  
 Type: AUTO SERVICE STATIONS GAS AND OIL

J60  
 SW  
 1/8-1/4  
 0.229 mi.  
 1208 ft.

**WESTERN PERFORMANCE INC**  
**6333 SAN FERNANDO RD**  
**GLENDALE, CA 91201**

WIP **S106767413**  
 N/A

Site 12 of 14 in cluster J

Relative:  
 Lower

WIP:

Region: 4  
 File Number: 109.0045  
**File Status: Historical**  
 Staff: JDAS  
 Facility Suite: Not reported

Actual:  
 490 ft.

J61  
 SW  
 1/8-1/4  
 0.229 mi.  
 1209 ft.

**BORDER A D**  
**6317 SAN FERNANDO RD**  
**GLENDALE, CA**

EDR US Hist Cleaners

**1009163029**  
 N/A

Site 13 of 14 in cluster J

Relative:  
 Lower

EDR Historical Cleaners:

Name: BORDER A D  
 Year: 1940  
 Type: CLEANERS AND DYERS

Actual:  
 489 ft.

MAP FINDINGS

Map ID			EDR ID Number
Direction			EPA ID Number
Distance			
Elevation	Site	Database(s)	

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<b>K62</b> <b>SSW</b> <b>1/8-1/4</b> <b>0.231 mi.</b> <b>1220 ft.</b>	<b>6302 SAN FERNANDO RD</b> <b>GLENDALE, CA 91201</b>  <b>Site 1 of 4 in cluster K</b>	<b>EDR US Hist Cleaners</b>	<b>1015083038</b> <b>N/A</b>
<b>Relative:</b> <b>Lower</b>	EDR Historical Cleaners: Name: FRESH & FLUFFY COIN LAUNDRY Year: 2012 Address: 6302 SAN FERNANDO RD		
<b>Actual:</b> <b>485 ft.</b>			

---

<b>L63</b> <b>WSW</b> <b>1/8-1/4</b> <b>0.241 mi.</b> <b>1275 ft.</b>	<b>BACCHETTA A E</b> <b>6414 S SAN FERNANDO RD</b> <b>GLENDALE, CA</b>  <b>Site 1 of 5 in cluster L</b>	<b>EDR US Hist Cleaners</b>	<b>1009162214</b> <b>N/A</b>
<b>Relative:</b> <b>Lower</b>	EDR Historical Cleaners: Name: BACCHETTA A E Year: 1951 Type: CLEANERS AND DYERS		
<b>Actual:</b> <b>500 ft.</b>			

---

<b>L64</b> <b>WSW</b> <b>1/8-1/4</b> <b>0.242 mi.</b> <b>1277 ft.</b>	<b>AMOUR GLASS</b> <b>6413 SAN FERNANDO RD</b> <b>GLENDALE, CA 91201</b>  <b>Site 2 of 5 in cluster L</b>	<b>WIP</b>	<b>S106767412</b> <b>N/A</b>
<b>Relative:</b> <b>Lower</b>	WIP: Region: 4 File Number: 109.0044 <b>File Status: Historical</b> Staff: MH Facility Suite: Not reported		
<b>Actual:</b> <b>500 ft.</b>			

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<b>L65</b> <b>WSW</b> <b>1/8-1/4</b> <b>0.243 mi.</b> <b>1282 ft.</b>	<b>DELITE CLEANERS</b> <b>6416 SAN FERNANDO RD</b> <b>GLENDALE, CA 91200</b>  <b>Site 3 of 5 in cluster L</b>	<b>EDR US Hist Cleaners</b>	<b>1009126416</b> <b>N/A</b>
<b>Relative:</b> <b>Lower</b>	EDR Historical Cleaners: Name: GLADS-D-LUX CLEANERS Year: 1964 Type: Not reported  Name: DELUXE CLEANERS Year: 1967 Type: CLEANERS AND DYERS  Name: DELITE CLEANERS Year: 1967 Type: Not reported		
<b>Actual:</b> <b>500 ft.</b>			

MAP FINDINGS

Map ID			EDR ID Number
Direction			EPA ID Number
Distance			
Elevation	Site	Database(s)	

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<b>L66</b> <b>WSW</b> <b>1/8-1/4</b> <b>0.245 mi.</b> <b>1293 ft.</b>	<b>SPEED QUEEN SELF SERICE LAUNDRY</b> <b>6418 SAN FERNANDO RD</b> <b>GLENDALE, CA</b>  <b>Site 4 of 5 in cluster L</b>	<b>EDR US Hist Cleaners</b>	<b>1009143626</b> <b>N/A</b>
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<b>Relative:</b> <b>Lower</b>	EDR Historical Cleaners: Name: DO IT YOURSELF LAUNDROMAT Year: 1967 Type: LAUNDRIES- SELF SERVE
<b>Actual:</b> <b>501 ft.</b>	Name: SPEED QUEEN SELF SERICE LAUNDRY Year: 1972 Type: LAUNDRIES SELF SERVE
	Name: SPEED QUEEN SELF SERICE LAUNDRY Year: 1972 Type: LAUNDRIES SELF SERVE

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<b>L67</b> <b>WSW</b> <b>1/8-1/4</b> <b>0.246 mi.</b> <b>1299 ft.</b>	<b>JAMMER CYCLE</b> <b>6417 SAN FERNANDO RD</b> <b>GLENDALE, CA 91201</b>  <b>Site 5 of 5 in cluster L</b>	<b>WIP</b>	<b>S106767411</b> <b>N/A</b>
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<b>Relative:</b> <b>Lower</b>	WIP: Region: 4 File Number: 109.0043 <b>File Status: Historical</b> Staff: MH Facility Suite: Not reported
<b>Actual:</b> <b>500 ft.</b>	

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<b>K68</b> <b>SSW</b> <b>1/8-1/4</b> <b>0.246 mi.</b> <b>1301 ft.</b>	<b>BOB'S TEXACO SERVICE</b> <b>6248 SAN FERNANDO RD</b> <b>GLENDALE, CA 91200</b>  <b>Site 2 of 4 in cluster K</b>	<b>EDR US Hist Auto Stat</b>	<b>1008995200</b> <b>N/A</b>
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<b>Relative:</b> <b>Lower</b>	EDR Historical Auto Stations: Name: BOB'S TEXACO SERVICE Year: 1973 Type: Not reported
<b>Actual:</b> <b>481 ft.</b>	

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<b>M69</b> <b>SSW</b> <b>1/8-1/4</b> <b>0.247 mi.</b> <b>1305 ft.</b>	<b>SAMMONS COMMUNICATION</b> <b>6246 SAN FERNANDO RD</b> <b>GLENDALE, CA 91201</b>  <b>Site 1 of 4 in cluster M</b>	<b>WIP</b>	<b>S106767392</b> <b>N/A</b>
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<b>Relative:</b> <b>Lower</b>	WIP: Region: 4 File Number: 109.0016 <b>File Status: Historical</b> Staff: RNEVAREZ Facility Suite: Not reported
<b>Actual:</b> <b>481 ft.</b>	

MAP FINDINGS

Map ID  
Direction  
Distance  
Elevation

Site

Database(s)

EDR ID Number  
EPA ID Number

**J70**  
**SW**  
**1/8-1/4**  
**0.247 mi.**  
**1306 ft.**  
**WONDER BREAD THRIFT & SHOP**  
**6325 SAN FERNANDO RD**  
**GLENDALE, CA 91201**  
**Site 14 of 14 in cluster J**

**SWEEPS UST**  
**WIP**  
**LOS ANGELES CO. HMS**  
**S102229470**  
**N/A**

**Relative:**  
**Lower**

**SWEEPS UST:**  
Status: Active  
Comp Number: 10549  
Number: 9  
Board Of Equalization: Not reported  
Referral Date: 07-16-91  
Action Date: 07-16-91  
Created Date: 06-30-89  
Owner Tank Id: Not reported  
SWRCB Tank Id: 19-070-010549-000001  
Tank Status: A  
Capacity: 12000  
Active Date: 07-16-91  
Tank Use: M.V. FUEL  
STG: P  
Content: REG UNLEADED  
Number Of Tanks: 1

**Actual:**  
**488 ft.**

**WIP:**  
Region: 4  
File Number: 109.0046  
**File Status: Historical**  
Staff: TB  
Facility Suite: Not reported

**LOS ANGELES CO. HMS:**  
Region: LA  
Facility Id: 010611-010549  
Facility Type: T0  
Facility Status: Removed  
Area: 3D  
Permit Number: 00002013T  
Permit Status: Removed

**71**  
**NNE**  
**1/8-1/4**  
**0.248 mi.**  
**1310 ft.**  
**SALVATORE GILOTTA**  
**1249 RUBERTA AVE**  
**GLENDALE, CA 91201**

**RCRA NonGen / NLR**  
**FINDS**  
**1000429548**  
**CAD982408486**

**Relative:**  
**Higher**

**RCRA NonGen / NLR:**  
Date form received by agency: 03/25/1988  
Facility name: SALVATORE GILOTTA  
Facility address: 1249 RUBERTA AVE  
GLENDALE, CA 91201  
EPA ID: CAD982408486  
Mailing address: RUBERTA AVE  
GLENDALE, CA 91201  
Contact: ENVIRONMENTAL MANAGER  
Contact address: 1249 RUBERTA AVE  
GLENDALE, CA 91201  
Contact country: US  
Contact telephone: (818) 240-9240

**Actual:**  
**599 ft.**

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**SALVATORE GILOTTA (Continued)**

**1000429548**

Contact email: Not reported  
EPA Region: 09  
Classification: Non-Generator  
Description: Handler: Non-Generators do not presently generate hazardous waste

**Owner/Operator Summary:**

Owner/operator name: SALVATORE GILOTTA  
Owner/operator address: NOT REQUIRED  
NOT REQUIRED, ME 99999

Owner/operator country: Not reported  
Owner/operator telephone: (415) 555-1212  
Legal status: Private  
Owner/Operator Type: Owner  
Owner/Op start date: Not reported  
Owner/Op end date: Not reported

Owner/operator name: NOT REQUIRED  
Owner/operator address: NOT REQUIRED  
NOT REQUIRED, ME 99999

Owner/operator country: Not reported  
Owner/operator telephone: (415) 555-1212  
Legal status: Private  
Owner/Operator Type: Operator  
Owner/Op start date: Not reported  
Owner/Op end date: Not reported

**Handler Activities Summary:**

U.S. importer of hazardous waste: No  
Mixed waste (haz. and radioactive): No  
Recycler of hazardous waste: No  
Transporter of hazardous waste: Yes  
Treater, storer or disposer of HW: No  
Underground injection activity: No  
On-site burner exemption: No  
Furnace exemption: No  
Used oil fuel burner: No  
Used oil processor: No  
User oil refiner: No  
Used oil fuel marketer to burner: No  
Used oil Specification marketer: No  
Used oil transfer facility: No  
Used oil transporter: No

Violation Status: No violations found

**FINDS:**

Registry ID: 110002806161

**Environmental Interest/Information System**

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.



MAP FINDINGS

Map ID			EDR ID Number
Direction			EPA ID Number
Distance			
Elevation	Site	Database(s)	

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<b>M72</b> <b>SSW</b> <b>1/8-1/4</b> <b>0.249 mi.</b> <b>1316 ft.</b>	<b>AIRLINE LINEN SERVICE</b> <b>6240 SAN FERNANDO RD</b> <b>GLENDALE, CA</b>  <b>Site 2 of 4 in cluster M</b>	<b>EDR US Hist Cleaners</b>	<b>1009142008</b> <b>N/A</b>
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<b>Relative:</b> <b>Lower</b>  <b>Actual:</b> <b>481 ft.</b>	<b>EDR Historical Cleaners:</b> <table border="0" style="width: 100%;"> <tr> <td style="width: 15%;">Name:</td> <td>AIRLINE LINEN SERVICE</td> </tr> <tr> <td>Year:</td> <td>1951</td> </tr> <tr> <td>Type:</td> <td>LAUNDRIES</td> </tr> <tr> <td colspan="2"> </td> </tr> <tr> <td>Name:</td> <td>AIRLINE LINEN SERVICE</td> </tr> <tr> <td>Year:</td> <td>1951</td> </tr> <tr> <td>Type:</td> <td>LAUNDRIES</td> </tr> <tr> <td colspan="2"> </td> </tr> <tr> <td>Name:</td> <td>AIR LINES LINEN SERVICE</td> </tr> <tr> <td>Year:</td> <td>1955</td> </tr> <tr> <td>Type:</td> <td>LAUNDRIES</td> </tr> <tr> <td colspan="2"> </td> </tr> <tr> <td>Name:</td> <td>AIR LINES LINEN SERVICE</td> </tr> <tr> <td>Year:</td> <td>1955</td> </tr> <tr> <td>Type:</td> <td>LAUNDRIES</td> </tr> </table>	Name:	AIRLINE LINEN SERVICE	Year:	1951	Type:	LAUNDRIES			Name:	AIRLINE LINEN SERVICE	Year:	1951	Type:	LAUNDRIES			Name:	AIR LINES LINEN SERVICE	Year:	1955	Type:	LAUNDRIES			Name:	AIR LINES LINEN SERVICE	Year:	1955	Type:	LAUNDRIES
Name:	AIRLINE LINEN SERVICE																														
Year:	1951																														
Type:	LAUNDRIES																														
Name:	AIRLINE LINEN SERVICE																														
Year:	1951																														
Type:	LAUNDRIES																														
Name:	AIR LINES LINEN SERVICE																														
Year:	1955																														
Type:	LAUNDRIES																														
Name:	AIR LINES LINEN SERVICE																														
Year:	1955																														
Type:	LAUNDRIES																														

<b>M73</b> <b>SSW</b> <b>1/8-1/4</b> <b>0.249 mi.</b> <b>1316 ft.</b>	<b>AIR LINES LINEN SERVICE</b> <b>6240 SAN FERNANDO RD</b> <b>GLENDALE, CA 91200</b>  <b>Site 3 of 4 in cluster M</b>	<b>EDR US Hist Auto Stat</b>	<b>1008993581</b> <b>N/A</b>
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<b>Relative:</b> <b>Lower</b>  <b>Actual:</b> <b>481 ft.</b>	<b>EDR Historical Auto Stations:</b> <table border="0" style="width: 100%;"> <tr> <td style="width: 15%;">Name:</td> <td>AIR LINES LINEN SERVICE</td> </tr> <tr> <td>Year:</td> <td>1955</td> </tr> <tr> <td>Type:</td> <td>Not reported</td> </tr> </table>	Name:	AIR LINES LINEN SERVICE	Year:	1955	Type:	Not reported
Name:	AIR LINES LINEN SERVICE						
Year:	1955						
Type:	Not reported						

<b>M74</b> <b>SSW</b> <b>1/4-1/2</b> <b>0.252 mi.</b> <b>1332 ft.</b>	<b>VICTORY SPORT CARS</b> <b>6234 SAN FERNANDO RD</b> <b>GLENDALE, CA 91201</b>  <b>Site 4 of 4 in cluster M</b>	<b>SLIC</b> <b>HIST UST</b> <b>WIP</b>	<b>U001566867</b> <b>N/A</b>
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<b>Relative:</b> <b>Lower</b>  <b>Actual:</b> <b>480 ft.</b>	<b>SLIC:</b> <table border="0" style="width: 100%;"> <tr> <td style="width: 15%;">Region:</td> <td>STATE</td> </tr> <tr> <td><b>Facility Status:</b></td> <td><b>Open - Site Assessment</b></td> </tr> <tr> <td>Status Date:</td> <td>04/30/1990</td> </tr> <tr> <td>Global Id:</td> <td>SL603798923</td> </tr> <tr> <td>Lead Agency:</td> <td>LOS ANGELES RWQCB (REGION 4)</td> </tr> <tr> <td>Lead Agency Case Number:</td> <td>Not reported</td> </tr> <tr> <td>Latitude:</td> <td>34.163536</td> </tr> <tr> <td>Longitude:</td> <td>-118.284199</td> </tr> <tr> <td>Case Type:</td> <td>Cleanup Program Site</td> </tr> <tr> <td>Case Worker:</td> <td>GJH</td> </tr> <tr> <td>Local Agency:</td> <td>Not reported</td> </tr> <tr> <td>RB Case Number:</td> <td>109.0015</td> </tr> <tr> <td>File Location:</td> <td>Not reported</td> </tr> <tr> <td>Potential Media Affected:</td> <td>Aquifer used for drinking water supply</td> </tr> <tr> <td>Potential Contaminants of Concern:</td> <td>Not reported</td> </tr> <tr> <td>Site History:</td> <td>Not reported</td> </tr> </table>	Region:	STATE	<b>Facility Status:</b>	<b>Open - Site Assessment</b>	Status Date:	04/30/1990	Global Id:	SL603798923	Lead Agency:	LOS ANGELES RWQCB (REGION 4)	Lead Agency Case Number:	Not reported	Latitude:	34.163536	Longitude:	-118.284199	Case Type:	Cleanup Program Site	Case Worker:	GJH	Local Agency:	Not reported	RB Case Number:	109.0015	File Location:	Not reported	Potential Media Affected:	Aquifer used for drinking water supply	Potential Contaminants of Concern:	Not reported	Site History:	Not reported
Region:	STATE																																
<b>Facility Status:</b>	<b>Open - Site Assessment</b>																																
Status Date:	04/30/1990																																
Global Id:	SL603798923																																
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Case Type:	Cleanup Program Site																																
Case Worker:	GJH																																
Local Agency:	Not reported																																
RB Case Number:	109.0015																																
File Location:	Not reported																																
Potential Media Affected:	Aquifer used for drinking water supply																																
Potential Contaminants of Concern:	Not reported																																
Site History:	Not reported																																

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**VICTORY SPORT CARS (Continued)**

**U001566867**

[Click here to access the California GeoTracker records for this facility:](#)

HIST UST:

Region: STATE  
Facility ID: 00000064586  
Facility Type: Other  
Other Type: AUTO REPAIR  
Total Tanks: 0002  
Contact Name: STEPHEN E. APPLEBY  
Telephone: 2132455990  
Owner Name: VICTORY SPORT CARS  
Owner Address: 6234 SAN FERNANDO ROAD  
Owner City,St,Zip: GLENDALE, CA 91201

Tank Num: 001  
Container Num: 2  
Year Installed: Not reported  
Tank Capacity: 00000000  
Tank Used for: WASTE  
Type of Fuel: Not reported  
Tank Construction: Not reported  
Leak Detection: None

Tank Num: 002  
Container Num: ONE  
Year Installed: Not reported  
Tank Capacity: 00000000  
Tank Used for: WASTE  
Type of Fuel: WASTE OIL  
Tank Construction: Not reported  
Leak Detection: None

WIP:

Region: 4  
File Number: 109.0015  
**File Status: Backlog**  
Staff: UNIDENTIFIED  
Facility Suite: Not reported

**K75**  
**SSW**  
**1/4-1/2**  
**0.259 mi.**  
**1367 ft.**

**PACIFIC AIRMOTIVE**  
**6265 SAN FERNANDO RD**  
**GLENDALE, CA 91201**

**CERC-NFRAP 1003878486**  
**CAD980636567**

**Site 3 of 4 in cluster K**

**Relative:**  
**Lower**

CERC-NFRAP:  
Site ID: 0901821  
Federal Facility: Not a Federal Facility  
NPL Status: Not on the NPL  
Non NPL Status: NFRAP-Site does not qualify for the NPL based on existing information

**Actual:**  
**480 ft.**

CERCLIS-NFRAP Site Contact Details:

Contact Sequence ID: 13288062.00000  
Person ID: 13003854.00000

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**PACIFIC AIRMOTIVE (Continued)**

**1003878486**

Contact Sequence ID: 13293657.00000  
Person ID: 13003858.00000

Contact Sequence ID: 13299515.00000  
Person ID: 13004003.00000

CERCLIS-NFRAP Assessment History:

Action: DISCOVERY  
Date Started: / /  
Date Completed: 06/01/81  
Priority Level: Not reported

Action: ARCHIVE SITE  
Date Started: / /  
Date Completed: 09/01/84  
Priority Level: Not reported

Action: PRELIMINARY ASSESSMENT  
Date Started: 06/01/84  
Date Completed: 09/01/84  
Priority Level: NFRAP-Site does not qualify for the NPL based on existing information

**K76 AIR CONDITIONING CO INC**  
**SSW 6265 SAN FERNANDO RD**  
**1/4-1/2 GLENDALE, CA 91201**  
**0.259 mi.**  
**1367 ft. Site 4 of 4 in cluster K**

**Relative:**  
**Lower**

**Actual:**  
**480 ft.**

**RCRA-SQG 1000108581**  
**FINDS CAD006905558**  
**HIST CORTESE**  
**LUST**  
**CA FID UST**  
**SLIC**  
**HIST UST**  
**SWEEPS UST**  
**LA Co. Site Mitigation**  
**LOS ANGELES CO. HMS**  
**WIP**  
**ENF**  
**HAZNET**  
**ENVIROSTOR**

RCRA-SQG:

Date form received by agency: 04/23/1986  
Facility name: AIR CONDITIONING CO INC  
Facility address: 6265 SAN FERNANDO RD  
GLENDALE, CA 91201  
EPA ID: CAD006905558  
Contact: ENVIRONMENTAL MANAGER  
Contact address: 6265 SAN FERNANDO RD  
GLENDALE, CA 91201  
Contact country: US  
Contact telephone: (818) 244-6571  
Contact email: Not reported  
EPA Region: 09  
Land type: Other land type  
Classification: Small Small Quantity Generator  
Description: Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**AIR CONDITIONING CO INC (Continued)**

**1000108581**

Owner/Operator Summary:

Owner/operator name: AIR CONDITIONING COMPANY INC  
Owner/operator address: NOT REQUIRED  
NOT REQUIRED, ME 99999  
Owner/operator country: Not reported  
Owner/operator telephone: (415) 555-1212  
Legal status: Private  
Owner/Operator Type: Owner  
Owner/Op start date: Not reported  
Owner/Op end date: Not reported

Owner/operator name: NOT REQUIRED  
Owner/operator address: NOT REQUIRED  
NOT REQUIRED, ME 99999  
Owner/operator country: Not reported  
Owner/operator telephone: (415) 555-1212  
Legal status: Private  
Owner/Operator Type: Operator  
Owner/Op start date: Not reported  
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No  
Mixed waste (haz. and radioactive): No  
Recycler of hazardous waste: No  
Transporter of hazardous waste: Yes  
Treater, storer or disposer of HW: No  
Underground injection activity: No  
On-site burner exemption: No  
Furnace exemption: No  
Used oil fuel burner: No  
Used oil processor: No  
User oil refiner: No  
Used oil fuel marketer to burner: No  
Used oil Specification marketer: No  
Used oil transfer facility: No  
Used oil transporter: No

Facility Has Received Notices of Violations:

Regulation violated: FR - 262.10-12.A  
Area of violation: Generators - General  
Date violation determined: 02/14/1986  
Date achieved compliance: 02/14/1991  
Violation lead agency: EPA  
Enforcement action: WRITTEN INFORMAL  
Enforcement action date: 03/13/1987  
Enf. disposition status: Not reported  
Enf. disp. status date: Not reported  
Enforcement lead agency: EPA  
Proposed penalty amount: Not reported  
Final penalty amount: Not reported  
Paid penalty amount: Not reported

Evaluation Action Summary:

Evaluation date: 02/14/1986

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**AIR CONDITIONING CO INC (Continued)**

**1000108581**

Evaluation: NON-FINANCIAL RECORD REVIEW  
Area of violation: Generators - General  
Date achieved compliance: 02/14/1991  
Evaluation lead agency: EPA

**FINDS:**

Registry ID: 110002629941

**Environmental Interest/Information System**

California Hazardous Waste Tracking System - Datamart (HWTS-DATAMART) provides California with information on hazardous waste shipments for generators, transporters, and treatment, storage, and disposal facilities.

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

**HIST CORTESE:**

Region: CORTESE  
Facility County Code: 19  
Reg By: LTNKA  
Reg Id: 912010016

**LUST:**

Region: STATE  
Global Id: T0603702034  
Latitude: 34.1641647  
Longitude: -118.2861235  
Case Type: LUST Cleanup Site  
Status: Completed - Case Closed  
Status Date: 01/11/1999  
Lead Agency: LOS ANGELES RWQCB (REGION 4)  
Case Worker: Not reported  
Local Agency: GLENDALE, CITY OF  
RB Case Number: 912010016  
LOC Case Number: Not reported  
File Location: Not reported  
Potential Media Affect: Aquifer used for drinking water supply  
Potential Contaminants of Concern: Other Solvent or Non-Petroleum Hydrocarbon  
Site History: Not reported

[Click here to access the California GeoTracker records for this facility:](#)

**Contact:**

Global Id: T0603702034  
Contact Type: Local Agency Caseworker  
Contact Name: UNK  
Organization Name: GLENDALE, CITY OF  
Address: Not reported  
City: r4 UNKNOWN  
Email: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**AIR CONDITIONING CO INC (Continued)**

**1000108581**

Phone Number: Not reported

Status History:

Global Id: T0603702034  
Status: Open - Case Begin Date  
Status Date: 02/01/1997

Global Id: T0603702034  
Status: Completed - Case Closed  
Status Date: 01/11/1999

Global Id: T0603702034  
Status: Open - Site Assessment  
Status Date: 04/03/1997

Global Id: T0603702034  
Status: Open - Site Assessment  
Status Date: 07/29/1997

Global Id: T0603702034  
Status: Open - Site Assessment  
Status Date: 08/14/1997

Global Id: T0603702034  
Status: Open - Site Assessment  
Status Date: 07/22/1998

Regulatory Activities:

Global Id: T0603702034  
Action Type: Other  
Date: 01/01/1950  
Action: Leak Stopped

Global Id: T0603702034  
Action Type: Other  
Date: 01/01/1950  
Action: Leak Reported

Global Id: T0603702034  
Action Type: Other  
Date: 01/01/1950  
Action: Leak Discovery

LUST REG 4:

Region: 4  
Regional Board: 04  
County: Los Angeles  
Facility Id: 912010016  
Status: Case Closed  
Substance: Hydrocarbons  
Substance Quantity: Not reported  
Local Case No: Not reported  
Case Type: Groundwater  
Abatement Method Used at the Site: Not reported  
Global ID: T0603702034

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**AIR CONDITIONING CO INC (Continued)**

**1000108581**

W Global ID: Not reported  
Staff: JT  
Local Agency: 19070  
Cross Street: Not reported  
Enforcement Type: Not reported  
Date Leak Discovered: 2/1/1997  
Date Leak First Reported: 4/3/1997  
Date Leak Record Entered: 11/17/1997  
Date Confirmation Began: 4/3/1997  
Date Leak Stopped: 2/1/1997  
Date Case Last Changed on Database: 12/8/1998  
Date the Case was Closed: 1/11/1999  
How Leak Discovered: Tank Closure  
How Leak Stopped: Not reported  
Cause of Leak: UNK  
Leak Source: UNK  
Operator: Not reported  
Water System: Not reported  
Well Name: Not reported  
Approx. Dist To Production Well (ft): 1240.7986011748841519748547372  
Source of Cleanup Funding: UNK  
Preliminary Site Assessment Workplan Submitted: 7/29/1997  
Preliminary Site Assessment Began: 8/14/1997  
Pollution Characterization Began: 7/22/1998  
Remediation Plan Submitted: Not reported  
Remedial Action Underway: Not reported  
Post Remedial Action Monitoring Began: Not reported  
Enforcement Action Date: Not reported  
Historical Max MTBE Date: 1/1/1965  
Hist Max MTBE Conc in Groundwater: 23.8  
Hist Max MTBE Conc in Soil: 75  
Significant Interim Remedial Action Taken: Not reported  
GW Qualifier: Not reported  
Soil Qualifier: Not reported  
Organization: Not reported  
Owner Contact: Not reported  
Responsible Party: AIR CONDITIONING CO  
RP Address: 6265 SAN FERNANDO RD., GLENDALE, CA 91201  
Program: LUST  
Lat/Long: 34.1641647 / -1  
Local Agency Staff: UNK  
Beneficial Use: Not reported  
Priority: LOP/LOW - MINOR OR NO POTENTIAL WATER RESOURCE IMPACT  
Cleanup Fund Id: Not reported  
Suspended: Not reported  
Assigned Name: Not reported  
Summary: 12,000 UG/KG TPH, 75 MG/KG MTBE IN SOIL GW @40' BGS, 19,900 UG/L TPH;  
81 UG/L BENZENE; LOW TPH & MTBE IN GW. SINCE LOCATED IN TEH  
SUPERFOUNDED SITE, THE CASE CAN BE CLOSED IN NOVEMBER 98.; 11/30/98 4TH  
QTR GW MON RPT

**CA FID UST:**

Facility ID: 19018972  
Regulated By: UTNKA  
Regulated ID: CAD006905  
Cortese Code: Not reported  
SIC Code: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**AIR CONDITIONING CO INC (Continued)**

**1000108581**

Facility Phone: 8182446571  
Mail To: Not reported  
Mailing Address: 6265 SAN FERNANDO RD  
Mailing Address 2: Not reported  
Mailing City,St,Zip: GLENDALE 91201  
Contact: Not reported  
Contact Phone: Not reported  
DUNs Number: Not reported  
NPDES Number: Not reported  
EPA ID: Not reported  
Comments: Not reported  
Status: Active

SLIC:

Region: STATE  
**Facility Status: Completed - Case Closed**  
Status Date: 04/29/2014  
Global Id: SL603798925  
Lead Agency: LOS ANGELES RWQCB (REGION 4)  
Lead Agency Case Number: Not reported  
Latitude: 34.164036  
Longitude: -118.284844  
Case Type: Cleanup Program Site  
Case Worker: JL  
Local Agency: Not reported  
RB Case Number: 109.0047  
File Location: Not reported  
Potential Media Affected: Aquifer used for drinking water supply  
Potential Contaminants of Concern: Not reported  
Site History: Not reported

[Click here to access the California GeoTracker records for this facility:](#)

HIST UST:

Region: STATE  
Facility ID: 00000005569  
Facility Type: Other  
Other Type: AIR CONDITIONING CO.  
Total Tanks: 0001  
Contact Name: PATRICK GROVE  
Telephone: 8182446571  
Owner Name: AIR CONDITIONING COMPANY, INC.  
Owner Address: 6265 SAN FERNANDO RD.  
Owner City,St,Zip: GLENDALE, CA 91201

Tank Num: 001  
Container Num: 1  
Year Installed: Not reported  
Tank Capacity: 00000500  
Tank Used for: PRODUCT  
Type of Fuel: REGULAR  
Tank Construction: Not reported  
Leak Detection: None

SWEEPS UST:

Status: Active



Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**AIR CONDITIONING CO INC (Continued)**

**1000108581**

Comp Number: 10513  
Number: 9  
Board Of Equalization: Not reported  
Referral Date: 07-16-91  
Action Date: 07-16-91  
Created Date: 06-30-89  
Owner Tank Id: Not reported  
SWRCB Tank Id: 19-070-010513-000001  
Tank Status: A  
Capacity: 550  
Active Date: 07-16-91  
Tank Use: M.V. FUEL  
STG: P  
Content: REG UNLEADED  
Number Of Tanks: 1

LA Co. Site Mitigation:

Facility ID: Not reported  
Site ID: SD0010797  
Jurisdiction: County  
Case ID: RO0001048  
Abated: Not reported  
Assigned To: Not reported  
Entered Date: 05/11/2004

LOS ANGELES CO. HMS:

Region: LA  
Facility Id: 010576-010513  
Facility Type: T0  
Facility Status: Removed  
Area: 3D  
Permit Number: 00001978T  
Permit Status: Removed

WIP:

Region: 4  
File Number: 109.0047  
**File Status: Backlog**  
Staff: DYOUNG  
Facility Suite: Not reported

ENF:

Region: 4  
Facility Id: 204314  
Agency Name: Air Conditioning Co, Inc.  
Place Type: Facility  
Place Subtype: Not reported  
Facility Type: Not reported  
Agency Type: Privately-Owned Business  
# Of Agencies: 1  
Place Latitude: 34.164277  
Place Longitude: -118.285983  
SIC Code 1: Not reported  
SIC Desc 1: Not reported  
SIC Code 2: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**AIR CONDITIONING CO INC (Continued)**

**1000108581**

SIC Desc 2:	Not reported
SIC Code 3:	Not reported
SIC Desc 3:	Not reported
NAICS Code 1:	Not reported
NAICS Desc 1:	Not reported
NAICS Code 2:	Not reported
NAICS Desc 2:	Not reported
NAICS Code 3:	Not reported
NAICS Desc 3:	Not reported
# Of Places:	1
Source Of Facility:	Reg Meas
Design Flow:	Not reported
Threat To Water Quality:	Not reported
Complexity:	Not reported
Pretreatment:	Not reported
Facility Waste Type:	Not reported
Facility Waste Type 2:	Not reported
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	WIP
Program Category1:	MONITORING
Program Category2:	MONITORING
# Of Programs:	1
WDID:	4WIP1090047
Reg Measure Id:	156051
Reg Measure Type:	Unregulated
Region:	4
Order #:	Not reported
Npdes# CA#:	Not reported
Major-Minor:	Not reported
Npdes Type:	Not reported
Reclamation:	Not reported
Dredge Fill Fee:	Not reported
301H:	Not reported
Application Fee Amt Received:	Not reported
Status:	Never Active
Status Date:	02/20/2013
Effective Date:	Not reported
Expiration/Review Date:	Not reported
Termination Date:	Not reported
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	N
Individual/General:	I
Fee Code:	Not reported
Direction/Voice:	Passive
Enforcement Id(EID):	221041
Region:	4
Order / Resolution Number:	13267 Letter
Enforcement Action Type:	13267 Letter
Effective Date:	11/09/2000
Adoption/Issuance Date:	Not reported
Achieve Date:	Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**AIR CONDITIONING CO INC (Continued)**

**1000108581**

Termination Date: 11/09/2000  
ACL Issuance Date: Not reported  
EPL Issuance Date: Not reported  
Status: Historical  
Title: Enforcement - 4WIP1090047  
Description: Not reported  
Program: WIP  
Latest Milestone Completion Date: Not reported  
# Of Programs1: 1  
Total Assessment Amount: 0  
Initial Assessed Amount: 0  
Liability \$ Amount: 0  
Project \$ Amount: 0  
Liability \$ Paid: 0  
Project \$ Completed: 0  
Total \$ Paid/Completed Amount: 0

**HAZNET:**

Year: 2009  
Gepaid: CAD006905558  
Contact: CARLTON SEYFORTH/RISK MANAGER  
Telephone: 8182446571  
Mailing Name: Not reported  
Mailing Address: 6265 SAN FERNANDO RD  
Mailing City,St,Zip: GLENDALE, CA 912012214  
Gen County: Not reported  
TSD EPA ID: TXD077603371  
TSD County: Not reported  
Waste Category: Waste oil and mixed oil  
Disposal Method: Fuel Blending Prior To Energy Recovery At Another Site  
Tons: 1.2  
Facility County: Los Angeles

Year: 2008  
Gepaid: CAD006905558  
Contact: CARLTON SEYFORTH/RISK MANAGER  
Telephone: 8182446571  
Mailing Name: Not reported  
Mailing Address: 6265 SAN FERNANDO RD  
Mailing City,St,Zip: GLENDALE, CA 912012214  
Gen County: Not reported  
TSD EPA ID: TXD077603371  
TSD County: Not reported  
Waste Category: Waste oil and mixed oil  
Disposal Method: Fuel Blending Prior To Energy Recovery At Another Site  
Tons: 4.35  
Facility County: Los Angeles

Year: 2007  
Gepaid: CAD006905558  
Contact: CARLTON SEYFORTH/RISK MANAGER  
Telephone: 8182446571  
Mailing Name: Not reported  
Mailing Address: 6265 SAN FERNANDO RD  
Mailing City,St,Zip: GLENDALE, CA 912012214  
Gen County: Not reported  
TSD EPA ID: TXD077603371

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**AIR CONDITIONING CO INC (Continued)**

**1000108581**

TSD County: Not reported  
Waste Category: Waste oil and mixed oil  
Disposal Method: Fuel Blending Prior To Energy Recovery At Another Site  
Tons: 3.3  
Facility County: Los Angeles

Year: 2006  
Gepaid: CAD006905558  
Contact: CARLTON SEYFORTH/RISK MANAGER  
Telephone: 8182446571  
Mailing Name: Not reported  
Mailing Address: 6265 SAN FERNANDO RD  
Mailing City,St,Zip: GLENDALE, CA 912012214  
Gen County: Not reported  
TSD EPA ID: WAD991281767  
TSD County: Not reported  
Waste Category: Household waste  
Disposal Method: Treatment, Tank  
Tons: 0.02  
Facility County: Los Angeles

Year: 2006  
Gepaid: CAD006905558  
Contact: CARLTON SEYFORTH/RISK MANAGER  
Telephone: 8182446571  
Mailing Name: Not reported  
Mailing Address: 6265 SAN FERNANDO RD  
Mailing City,St,Zip: GLENDALE, CA 912012214  
Gen County: Not reported  
TSD EPA ID: WAD991281767  
TSD County: Not reported  
Waste Category: Household waste  
Disposal Method: Treatment, Tank  
Tons: 0.13  
Facility County: Los Angeles

[Click this hyperlink](#) while viewing on your computer to access  
35 additional CA\_HAZNET: record(s) in the EDR Site Report.

**ENVIROSTOR:**

Facility ID: 19760012  
Status: Refer: RWQCB  
Status Date: 06/07/1994  
Site Code: Not reported  
Site Type: Historical  
Site Type Detailed: \* Historical  
Acres: Not reported  
NPL: NO  
Regulatory Agencies: NONE SPECIFIED  
Lead Agency: NONE SPECIFIED  
Program Manager: Not reported  
Supervisor: \* Mmonroy  
Division Branch: Cleanup Chatsworth  
Assembly: 43  
Senate: 25  
Special Program: \* RCRA 3012 - Past Haz Waste Disp Inven Site  
Restricted Use: NO

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**AIR CONDITIONING CO INC (Continued)**

**1000108581**

Site Mgmt Req: NONE SPECIFIED  
Funding: Not reported  
Latitude: 34.16426  
Longitude: -118.2866  
APN: 5627022012  
Past Use: NONE SPECIFIED  
Potential COC: \* UNSPECIFIED SOLVENT MIXTURES  
Confirmed COC: NONE SPECIFIED  
Potential Description: NONE SPECIFIED  
Alias Name: 5627022012  
Alias Type: APN  
Alias Name: CAD980636567  
Alias Type: EPA Identification Number  
Alias Name: 19760012  
Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Site Screening  
Completed Date: 06/07/1994  
Comments: Air Conditioning has been here for about 25 years, prior to that Pacific Airmotive occupied the site. RWQCB has indicated in 5/14/91 letter that No Further Action is required on this site. No problems noted during site visit.

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Preliminary Assessment Report  
Completed Date: 04/06/1984  
Comments: SOURCE ACT: T/C W/M.ASPER 213-634-3300 4/4/84- AIRCRAFT SERVICE,WASHING. WASTE: T/C W/ B.K.GARFIELD,714-752-5555,8/13/82 STODDARD SOLVENT SUMPED ON GROUND. NOT KNOWN OF WASTE DISP PRACTICES AT SITE. FINAL STRATEGY RECOM - DEEP SOIL SAMPLING POSSIBLY SUBMIT TO EPA PRELIM ASSESS DONE RCRA 3012

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: \* Discovery  
Completed Date: 09/28/1983  
Comments: FACILITY IDENTIFIED ID FROM ERRIS

Future Area Name: Not reported  
Future Sub Area Name: Not reported  
Future Document Type: Not reported  
Future Due Date: Not reported  
Schedule Area Name: Not reported  
Schedule Sub Area Name: Not reported  
Schedule Document Type: Not reported  
Schedule Due Date: Not reported  
Schedule Revised Date: Not reported

Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**77**  
**WSW**  
**1/4-1/2**  
**0.267 mi.**  
**1411 ft.**

**WEST SIDE RECYCLING**  
**6449 SAN FERNANDO ROAD**  
**GLENDALE, CA**

**FINDS** **1006798555**  
**NPDES** **N/A**  
**SWRCY**  
**WDS**

**Relative:**  
**Lower**

FINDS:

Registry ID: 110013689605

**Actual:**  
**502 ft.**

Environmental Interest/Information System

ICIS (Integrated Compliance Information System) is the Integrated Compliance Information System and provides a database that, when complete, will contain integrated Enforcement and Compliance information across most of EPA's programs. The vision for ICIS is to replace EPA's independent databases that contain Enforcement data with a single repository for that information. Currently, ICIS contains all Federal Administrative and Judicial enforcement actions. This information is maintained in ICIS by EPA in the Regional offices and its Headquarters. A future release of ICIS will replace the Permit Compliance System (PCS) which supports the NPDES and will integrate that information with Federal actions already in the system. ICIS also has the capability to track other activities occurring in the Region that support Compliance and Enforcement programs. These include; Incident Tracking, Compliance Assistance, and Compliance Monitoring.

NPDES:

Npdes Number: CAS000001  
 Facility Status: Active  
 Agency Id: 0  
 Region: 4  
 Regulatory Measure Id: 188727  
 Order No: 97-03-DWQ  
 Regulatory Measure Type: Enrollee  
 Place Id: Not reported  
 WDID: 4 19I000980  
 Program Type: Industrial  
 Adoption Date Of Regulatory Measure: Not reported  
 Effective Date Of Regulatory Measure: 03/23/1992  
 Expiration Date Of Regulatory Measure: Not reported  
 Termination Date Of Regulatory Measure: Not reported  
 Discharge Name: West Side Recycling  
 Discharge Address: 6449 San Fernando Rd  
 Discharge City: Glendale  
 Discharge State: California  
 Discharge Zip: 91201

SWRCY:

Reg Id: 27428  
 Cert Id: RC5789  
 Mailing Address: 6449 San Fernando Rd  
 Mailing City: Glendale  
 Mailing State: CA  
 Mailing Zip Code: 91201  
 Website: Not reported  
 Phone Number: (818) 243-6965  
 Grand Father: Y

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**WEST SIDE RECYCLING (Continued)**

**1006798555**

Rural: N  
Operation Begin Date: 07/05/1994  
Aluminium: Y  
Glass: Y  
Plastic: Y  
Bimetal: Y  
Agency: N/A  
Monday Hours Of Operation: 8:00 am - 5:00 pm  
Tuesday Hours Of Operation: 8:00 am - 5:00 pm  
Wednesday Hours Of Operation: 8:00 am - 5:00 pm  
Thursday Hours Of Operation: 8:00 am - 5:00 pm  
Friday Hours Of Operation: 8:00 am - 5:00 pm  
Saturday Hours Of Operation: 8:00 am - 3:00 pm  
Sunday Hours Of Operation: CLOSED  
Cert Status: Operational  
Organization ID: 19250  
Organization Name: La Canada West Inc  
Agency Reg ID: N/A  
Operation End Date: Not reported

**CA WDS:**

Facility ID: 4 19I000980  
Facility Type: Other - Does not fall into the category of Municipal/Domestic, Industrial, Agricultural or Solid Waste (Class I, II or III)  
Facility Status: Active - Any facility with a continuous or seasonal discharge that is under Waste Discharge Requirements.  
NPDES Number: CAS000001 The 1st 2 characters designate the state. The remaining 7 are assigned by the Regional Board  
Subregion: 4  
Facility Telephone: 3232454362  
Facility Contact: Alonso Favela  
Agency Name: WEST SIDE RECYCLING  
Agency Address: 6449 San Fernando Rd.  
Agency City,St,Zip: Glendale 91201  
Agency Contact: Mark Ringelberg  
Agency Telephone: 3232454362  
Agency Type: Private  
SIC Code: 5093  
SIC Code 2: Not reported  
Primary Waste Type: Not reported  
Primary Waste: Not reported  
Waste Type2: Not reported  
Waste2: Not reported  
Primary Waste Type: Not reported  
Secondary Waste: Not reported  
Secondary Waste Type: Not reported  
Design Flow: 0  
Baseline Flow: 0  
Reclamation: No reclamation requirements associated with this facility.  
POTW: The facility is not a POTW.  
Treat To Water: Minor Threat to Water Quality. A violation of a regional board order should cause a relatively minor impairment of beneficial uses compared to a major or minor threat. Not: All nurds without a TTWQ will be considered a minor threat to water quality unless coded at a higher Level. A Zero (0) may be used to code those NURDS that are found to represent no threat to water quality.  
Complexity: Category C - Facilities having no waste treatment systems, such as

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**WEST SIDE RECYCLING (Continued)**

**1006798555**

cooling water dischargers or those who must comply through best management practices, facilities with passive waste treatment and disposal systems, such as septic systems with subsurface disposal, or dischargers having waste storage systems with land disposal such as dairy waste ponds.

**78**  
**South**  
**1/4-1/2**  
**0.277 mi.**  
**1464 ft.**

**ALLIED SIGNAL AEROPSPACE CO, BE**  
**6218 SAN FERNANDO RD**  
**GLENDALE, CA 91201**

**SLIC** **S106484721**  
**WIP** **N/A**  
**EMI**

**Relative:**  
**Lower**

SLIC:

**Actual:**  
**478 ft.**

Region: STATE  
**Facility Status: Open - Site Assessment**  
Status Date: 04/30/1990  
Global Id: SL603798922  
Lead Agency: LOS ANGELES RWQCB (REGION 4)  
Lead Agency Case Number: Not reported  
Latitude: 34.163536  
Longitude: -118.284199  
Case Type: Cleanup Program Site  
Case Worker: GJH  
Local Agency: Not reported  
RB Case Number: 109.0014  
File Location: Not reported  
Potential Media Affected: Aquifer used for drinking water supply  
Potential Contaminants of Concern: Not reported  
Site History: Not reported

Click here to access the California GeoTracker records for this facility:

WIP:

Region: 4  
File Number: 109.0014  
**File Status: Backlog**  
Staff: UNIDENTIFIED  
Facility Suite: Not reported

EMI:

Year: 1990  
County Code: 19  
Air Basin: SC  
Facility ID: 73841  
Air District Name: SC  
SIC Code: 3764  
Air District Name: SOUTH COAST AQMD  
Community Health Air Pollution Info System: Not reported  
Consolidated Emission Reporting Rule: Not reported  
Total Organic Hydrocarbon Gases Tons/Yr: 0  
Reactive Organic Gases Tons/Yr: 0  
Carbon Monoxide Emissions Tons/Yr: 0  
NOX - Oxides of Nitrogen Tons/Yr: 0  
SOX - Oxides of Sulphur Tons/Yr: 0  
Particulate Matter Tons/Yr: 0  
Part. Matter 10 Micrometers & Smllr Tons/Yr: 0



Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**N79**  
**West**  
**1/4-1/2**  
**0.304 mi.**  
**1603 ft.**

**AIR PRODUCTS & CHEMICALS INC**  
**6505 SAN FERNANDO ROAD**  
**GLENDALE, CA 91202**

**LA Co. Site Mitigation** **1000128760**  
**ENVIROSTOR** **N/A**

**Site 1 of 2 in cluster N**

**Relative:**  
**Lower**

LA Co. Site Mitigation:

Facility ID: Not reported  
Site ID: SD0010798  
Jurisdiction: State  
Case ID: RO0000624  
Abated: Not reported  
Assigned To: Not reported  
Entered Date: 05/11/2004

**Actual:**  
**508 ft.**

ENVIROSTOR:

Facility ID: 19281065  
Status: No Further Action  
Status Date: 11/08/1994  
Site Code: Not reported  
Site Type: Historical  
Site Type Detailed: \* Historical  
Acres: 0  
NPL: NO  
Regulatory Agencies: SMBRP  
Lead Agency: SMBRP  
Program Manager: Not reported  
Supervisor: \* Mmonroy  
Division Branch: Cleanup Chatsworth  
Assembly: 43  
Senate: 25  
Special Program: \* CERC2  
Restricted Use: NO  
Site Mgmt Req: NONE SPECIFIED  
Funding: Not reported  
Latitude: 34.16722  
Longitude: -118.29  
APN: NONE SPECIFIED  
Past Use: MANUFACTURING - CHEMICALS  
Potential COC: TPH-gas  
Confirmed COC: 30025-NO  
Potential Description: OTH, SOIL  
Alias Name: GARDNER CRYOGENICS  
Alias Type: Alternate Name  
Alias Name: CAD982005282  
Alias Type: EPA Identification Number  
Alias Name: 19281065  
Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Site Screening  
Completed Date: 11/08/1994  
Comments: DATABASE VALIDATION PROGRAM CONFIRMS NFA FOR DTSC.

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Preliminary Assessment Report

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**AIR PRODUCTS & CHEMICALS INC (Continued)**

**1000128760**

Completed Date: 03/31/1989  
Comments: PRELIM ASSESS DONE NO FURTHER ACTION BASED ON LITTLE EVIDENCE THAT PRODUCTION OF HAZARDOUS WASTE EXISTS ON SITE

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Site Screening  
Completed Date: 02/22/1988  
Comments: SITE SCREENING DONE PAL RECOMMENDED BASED ON LACK OF INFO.

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: \* Discovery  
Completed Date: 01/12/1983  
Comments: FACILITY IDENTIFIED LA CHAM COMM DIR 1969-70. MFG INDSTR CHEM.

Future Area Name: Not reported  
Future Sub Area Name: Not reported  
Future Document Type: Not reported  
Future Due Date: Not reported  
Schedule Area Name: Not reported  
Schedule Sub Area Name: Not reported  
Schedule Document Type: Not reported  
Schedule Due Date: Not reported  
Schedule Revised Date: Not reported

**N80**  
**West**  
**1/4-1/2**  
**0.304 mi.**  
**1605 ft.**

**AIR PRODUCTS & CHEMICALS INC**  
**6505 SAN FERNANDO RD**  
**GLENDALE, CA 91201**

**CERC-NFRAP** **1003879433**  
**CAD982005282**

**Site 2 of 2 in cluster N**

**Relative:**  
**Lower**

CERC-NFRAP:  
Site ID: 0903591  
Federal Facility: Not a Federal Facility  
NPL Status: Not on the NPL  
Non NPL Status: NFRAP-Site does not qualify for the NPL based on existing information

**Actual:**  
**508 ft.**

CERCLIS-NFRAP Site Contact Details:

Contact Sequence ID: 13287338.00000  
Person ID: 13003854.00000

Contact Sequence ID: 13292933.00000  
Person ID: 13003858.00000

Contact Sequence ID: 13298791.00000  
Person ID: 13004003.00000

CERCLIS-NFRAP Assessment History:

Action: PRELIMINARY ASSESSMENT  
Date Started: / /  
Date Completed: 10/06/89  
Priority Level: NFRAP-Site does not qualify for the NPL based on existing information

Action: ARCHIVE SITE  
Date Started: / /  
Date Completed: 10/06/89

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**AIR PRODUCTS & CHEMICALS INC (Continued)**

1003879433

Priority Level: Not reported  
Action: DISCOVERY  
Date Started: / /  
Date Completed: 04/28/89  
Priority Level: Not reported

**O81  
NW  
1/4-1/2  
0.339 mi.  
1788 ft.**

**MOBIL #18-L5E (FORMER)  
1700 GLENOAKS BLVD W.  
GLENDALE, CA 91201**

**LUST S106116192  
N/A**

**Site 1 of 2 in cluster O**

**Relative:  
Higher**

LUST:

**Actual:  
548 ft.**

Region: STATE  
Global Id: T0603774926  
Latitude: 34.171085  
Longitude: -118.290248  
Case Type: LUST Cleanup Site  
Status: Completed - Case Closed  
Status Date: 07/31/2012  
Lead Agency: LOS ANGELES RWQCB (REGION 4)  
Case Worker: MT  
Local Agency: GLENDALE, CITY OF  
RB Case Number: 912010052  
LOC Case Number: 03-1996  
File Location: Regional Board  
Potential Media Affect: Aquifer used for drinking water supply  
Potential Contaminants of Concern: Gasoline  
Site History: Not reported

Click here to access the California GeoTracker records for this facility:

Contact:

Global Id: T0603774926  
Contact Type: Local Agency Caseworker  
Contact Name: GREG AHERN  
Organization Name: GLENDALE, CITY OF  
Address: 780 FLOWER ST.  
City: GLENDALE  
Email: Not reported  
Phone Number: 8185484030

Global Id: T0603774926  
Contact Type: Regional Board Caseworker  
Contact Name: MARYAM TAIDY  
Organization Name: LOS ANGELES RWQCB (REGION 4)  
Address: 320 W. 4TH ST., SUITE 200  
City: LOS ANGELES  
Email: mtaidy@waterboards.ca.gov  
Phone Number: 2135766741

Status History:

Global Id: T0603774926  
Status: Open - Site Assessment  
Status Date: 04/15/2003

Global Id: T0603774926

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**MOBIL #18-L5E (FORMER) (Continued)**

**S106116192**

Status: Open - Site Assessment  
Status Date: 06/21/2004

Global Id: T0603774926  
Status: Open - Site Assessment  
Status Date: 10/13/2006

Global Id: T0603774926  
Status: Open - Site Assessment  
Status Date: 01/26/2007

Global Id: T0603774926  
Status: Open - Case Begin Date  
Status Date: 04/15/2003

Global Id: T0603774926  
Status: Open - Remediation  
Status Date: 10/14/2004

Global Id: T0603774926  
Status: Open - Remediation  
Status Date: 10/13/2006

Global Id: T0603774926  
Status: Open - Remediation  
Status Date: 07/12/2007

Global Id: T0603774926  
Status: Open - Remediation  
Status Date: 09/29/2010

Global Id: T0603774926  
Status: Completed - Case Closed  
Status Date: 07/31/2012

**Regulatory Activities:**

Global Id: T0603774926  
Action Type: RESPONSE  
Date: 01/15/2007  
Action: Soil and Water Investigation Report

Global Id: T0603774926  
Action Type: RESPONSE  
Date: 07/15/2005  
Action: Monitoring Report - Quarterly

Global Id: T0603774926  
Action Type: RESPONSE  
Date: 07/15/2005  
Action: Soil and Water Investigation Report

Global Id: T0603774926  
Action Type: REMEDIATION  
Date: 01/01/1950  
Action: Soil Vapor Extraction (SVE)

Global Id: T0603774926

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**MOBIL #18-L5E (FORMER) (Continued)**

**S106116192**

Action Type:	ENFORCEMENT
Date:	05/24/2007
Action:	Staff Letter
Global Id:	T0603774926
Action Type:	RESPONSE
Date:	01/28/2011
Action:	CAP/RAP - Other Report
Global Id:	T0603774926
Action Type:	RESPONSE
Date:	07/15/2009
Action:	Monitoring Report - Semi-Annually
Global Id:	T0603774926
Action Type:	Other
Date:	01/01/1950
Action:	Leak Reported
Global Id:	T0603774926
Action Type:	RESPONSE
Date:	01/26/2011
Action:	Soil and Water Investigation Workplan - Addendum
Global Id:	T0603774926
Action Type:	RESPONSE
Date:	01/15/2011
Action:	Monitoring Report - Semi-Annually
Global Id:	T0603774926
Action Type:	RESPONSE
Date:	01/15/2005
Action:	Monitoring Report - Quarterly
Global Id:	T0603774926
Action Type:	REMEDIATION
Date:	01/01/1950
Action:	Soil Vapor Extraction (SVE)
Global Id:	T0603774926
Action Type:	RESPONSE
Date:	07/15/2010
Action:	Monitoring Report - Semi-Annually
Global Id:	T0603774926
Action Type:	ENFORCEMENT
Date:	06/15/2009
Action:	Staff Letter
Global Id:	T0603774926
Action Type:	ENFORCEMENT
Date:	07/31/2012
Action:	Closure/No Further Action Letter
Global Id:	T0603774926
Action Type:	ENFORCEMENT
Date:	07/31/2012

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**MOBIL #18-L5E (FORMER) (Continued)**

**S106116192**

Action: Closure/No Further Action Letter

Global Id: T0603774926  
Action Type: RESPONSE  
Date: 03/08/2011  
Action: Remedial Progress Report

Global Id: T0603774926  
Action Type: RESPONSE  
Date: 10/15/2004  
Action: Interim Remedial Action Plan

Global Id: T0603774926  
Action Type: RESPONSE  
Date: 04/15/2006  
Action: Monitoring Report - Quarterly

Global Id: T0603774926  
Action Type: RESPONSE  
Date: 10/15/2009  
Action: Monitoring Report - Quarterly

Global Id: T0603774926  
Action Type: RESPONSE  
Date: 01/15/2009  
Action: Monitoring Report - Quarterly

Global Id: T0603774926  
Action Type: ENFORCEMENT  
Date: 06/26/2012  
Action: Notification - Preclosure

Global Id: T0603774926  
Action Type: RESPONSE  
Date: 10/15/2003  
Action: Tank Removal Report / UST Sampling Report

Global Id: T0603774926  
Action Type: RESPONSE  
Date: 10/15/2003  
Action: Soil and Water Investigation Report

Global Id: T0603774926  
Action Type: RESPONSE  
Date: 10/15/2004  
Action: Soil and Water Investigation Report

Global Id: T0603774926  
Action Type: RESPONSE  
Date: 10/15/2004  
Action: Monitoring Report - Quarterly

Global Id: T0603774926  
Action Type: RESPONSE  
Date: 10/15/2004  
Action: Soil and Water Investigation Report

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**MOBIL #18-L5E (FORMER) (Continued)**

**S106116192**

Global Id:	T0603774926
Action Type:	RESPONSE
Date:	10/15/2004
Action:	Soil and Water Investigation Report
Global Id:	T0603774926
Action Type:	RESPONSE
Date:	04/15/2005
Action:	Soil and Water Investigation Report
Global Id:	T0603774926
Action Type:	RESPONSE
Date:	01/15/2005
Action:	CAP/RAP - Final Remediation / Design Plan
Global Id:	T0603774926
Action Type:	RESPONSE
Date:	05/12/2004
Action:	Soil and Water Investigation Workplan
Global Id:	T0603774926
Action Type:	RESPONSE
Date:	04/15/2007
Action:	Monitoring Report - Quarterly
Global Id:	T0603774926
Action Type:	RESPONSE
Date:	04/15/2007
Action:	Soil and Water Investigation Report
Global Id:	T0603774926
Action Type:	ENFORCEMENT
Date:	01/15/2005
Action:	Staff Letter
Global Id:	T0603774926
Action Type:	RESPONSE
Date:	11/14/2007
Action:	Tank Removal Report / UST Sampling Report
Global Id:	T0603774926
Action Type:	RESPONSE
Date:	10/15/2006
Action:	Monitoring Report - Quarterly
Global Id:	T0603774926
Action Type:	RESPONSE
Date:	10/15/2006
Action:	Soil and Water Investigation Report
Global Id:	T0603774926
Action Type:	RESPONSE
Date:	10/15/2006
Action:	Remedial Progress Report
Global Id:	T0603774926
Action Type:	RESPONSE

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**MOBIL #18-L5E (FORMER) (Continued)**

**S106116192**

Date: 01/15/2007  
Action: Monitoring Report - Quarterly

Global Id: T0603774926  
Action Type: RESPONSE  
Date: 01/26/2007  
Action: Soil and Water Investigation Workplan

Global Id: T0603774926  
Action Type: RESPONSE  
Date: 01/15/2006  
Action: Monitoring Report - Quarterly

Global Id: T0603774926  
Action Type: RESPONSE  
Date: 01/15/2006  
Action: Soil and Water Investigation Report

Global Id: T0603774926  
Action Type: RESPONSE  
Date: 08/03/2006  
Action: Interim Remedial Action Plan

Global Id: T0603774926  
Action Type: RESPONSE  
Date: 05/21/2012  
Action: Request for Closure

Global Id: T0603774926  
Action Type: ENFORCEMENT  
Date: 09/15/2003  
Action: Staff Letter

Global Id: T0603774926  
Action Type: REMEDIATION  
Date: 01/01/1950  
Action: Excavation

Global Id: T0603774926  
Action Type: RESPONSE  
Date: 11/30/2011  
Action: Well Installation Report

Global Id: T0603774926  
Action Type: RESPONSE  
Date: 10/31/2012  
Action: Well Destruction Report

Global Id: T0603774926  
Action Type: RESPONSE  
Date: 09/13/2010  
Action: Other Workplan

Global Id: T0603774926  
Action Type: RESPONSE  
Date: 04/15/2012  
Action: Monitoring Report - Semi-Annually



Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**MOBIL #18-L5E (FORMER) (Continued)**

**S106116192**

Global Id:	T0603774926
Action Type:	ENFORCEMENT
Date:	06/23/2004
Action:	13267 Requirement
Global Id:	T0603774926
Action Type:	ENFORCEMENT
Date:	06/21/2004
Action:	Staff Letter
Global Id:	T0603774926
Action Type:	RESPONSE
Date:	07/15/2006
Action:	Monitoring Report - Quarterly
Global Id:	T0603774926
Action Type:	RESPONSE
Date:	07/15/2006
Action:	Soil and Water Investigation Report
Global Id:	T0603774926
Action Type:	RESPONSE
Date:	07/15/2007
Action:	Conceptual Site Model
Global Id:	T0603774926
Action Type:	Other
Date:	01/01/1950
Action:	Leak Stopped
Global Id:	T0603774926
Action Type:	RESPONSE
Date:	01/15/2008
Action:	Monitoring Report - Quarterly
Global Id:	T0603774926
Action Type:	RESPONSE
Date:	04/15/2008
Action:	Monitoring Report - Quarterly
Global Id:	T0603774926
Action Type:	RESPONSE
Date:	07/15/2007
Action:	Other Report / Document
Global Id:	T0603774926
Action Type:	RESPONSE
Date:	07/15/2007
Action:	Sensitive Receptor Survey Report
Global Id:	T0603774926
Action Type:	RESPONSE
Date:	07/15/2007
Action:	Well Installation Report
Global Id:	T0603774926
Action Type:	RESPONSE

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**MOBIL #18-L5E (FORMER) (Continued)**

**S106116192**

Date: 07/15/2007  
Action: Remedial Progress Report

Global Id: T0603774926  
Action Type: RESPONSE  
Date: 07/15/2007  
Action: Monitoring Report - Semi-Annually

Global Id: T0603774926  
Action Type: RESPONSE  
Date: 10/15/2005  
Action: Monitoring Report - Quarterly

Global Id: T0603774926  
Action Type: RESPONSE  
Date: 10/15/2005  
Action: Soil and Water Investigation Report

Global Id: T0603774926  
Action Type: RESPONSE  
Date: 04/15/2006  
Action: Soil and Water Investigation Report

Global Id: T0603774926  
Action Type: ENFORCEMENT  
Date: 09/18/2006  
Action: Staff Letter

Global Id: T0603774926  
Action Type: ENFORCEMENT  
Date: 06/21/2006  
Action: Site Visit / Inspection / Sampling

Global Id: T0603774926  
Action Type: RESPONSE  
Date: 04/15/2005  
Action: Soil and Water Investigation Report

Global Id: T0603774926  
Action Type: RESPONSE  
Date: 04/15/2005  
Action: Monitoring Report - Quarterly

Global Id: T0603774926  
Action Type: RESPONSE  
Date: 10/15/2005  
Action: Soil and Water Investigation Report

Global Id: T0603774926  
Action Type: RESPONSE  
Date: 10/15/2003  
Action: Other Report / Document

Global Id: T0603774926  
Action Type: RESPONSE  
Date: 10/15/2008  
Action: Monitoring Report - Quarterly

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**MOBIL #18-L5E (FORMER) (Continued)**

**S106116192**

Global Id: T0603774926  
Action Type: RESPONSE  
Date: 07/15/2008  
Action: Monitoring Report - Quarterly

Global Id: T0603774926  
Action Type: ENFORCEMENT  
Date: 09/29/2010  
Action: Staff Letter

Global Id: T0603774926  
Action Type: RESPONSE  
Date: 04/15/2009  
Action: Monitoring Report - Quarterly

Global Id: T0603774926  
Action Type: RESPONSE  
Date: 01/15/2011  
Action: Monitoring Report - Semi-Annually

Global Id: T0603774926  
Action Type: Other  
Date: 01/01/1950  
Action: Leak Discovery

Global Id: T0603774926  
Action Type: RESPONSE  
Date: 10/15/2011  
Action: Monitoring Report - Semi-Annually

**LUST REG 4:**

Region: 4  
Regional Board: 04  
County: Los Angeles  
Facility Id: 912010052  
Status: Pollution Characterization  
Substance: Gasoline  
Substance Quantity: Not reported  
Local Case No: 03-1996  
Case Type: Groundwater  
Abatement Method Used at the Site: Not reported  
Global ID: T0603774926  
W Global ID: Not reported  
Staff: CEC  
Local Agency: 19070  
Cross Street: WESTERN AVE.  
Enforcement Type: DLLET  
Date Leak Discovered: 4/15/2003  
Date Leak First Reported: 4/15/2003  
Date Leak Record Entered: Not reported  
Date Confirmation Began: 4/15/2003  
Date Leak Stopped: 4/15/2003  
Date Case Last Changed on Database: Not reported  
Date the Case was Closed: Not reported  
How Leak Discovered: Not reported  
How Leak Stopped: Not reported

Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**MOBIL #18-L5E (FORMER) (Continued)**

**S106116192**

Cause of Leak: Not reported  
 Leak Source: Not reported  
 Operator: Not reported  
 Water System: Not reported  
 Well Name: Not reported  
 Approx. Dist To Production Well (ft): Not reported  
 Source of Cleanup Funding: Not reported  
 Preliminary Site Assessment Workplan Submitted: Not reported  
 Preliminary Site Assessment Began: Not reported  
 Pollution Characterization Began: 6/21/2004  
 Remediation Plan Submitted: Not reported  
 Remedial Action Underway: Not reported  
 Post Remedial Action Monitoring Began: Not reported  
 Enforcement Action Date: Not reported  
 Historical Max MTBE Date: Not reported  
 Hist Max MTBE Conc in Groundwater: Not reported  
 Hist Max MTBE Conc in Soil: 4300  
 Significant Interim Remedial Action Taken: Not reported  
 GW Qualifier: Not reported  
 Soil Qualifier: =  
 Organization: Not reported  
 Owner Contact: Not reported  
 Responsible Party: LEE HANLEY  
 RP Address: 1464 MADERA ROAD, SUITE N., #265  
 Program: LUST  
 Lat/Long: 0 / 0  
 Local Agency Staff: Not reported  
 Beneficial Use: Not reported  
 Priority: Not reported  
 Cleanup Fund Id: Not reported  
 Suspended: Not reported  
 Assigned Name: Not reported  
 Summary: Not reported

**O82**  
**WNW**  
**1/4-1/2**  
**0.340 mi.**  
**1797 ft.**

**EXXON #7-3233 (FORMER)**  
**1075 WESTERN**  
**LOS ANGELES, CA 90029**  
**Site 2 of 2 in cluster O**

**HIST CORTESE** **S101297343**  
**SLIC** **N/A**

**Relative:**  
**Higher**

HIST CORTESE:  
 Region: CORTESE  
 Facility County Code: 19  
 Reg By: LTNKA  
 Reg Id: 900290107

**Actual:**  
**540 ft.**

SLIC:  
 Region: STATE  
**Facility Status: Open - Inactive**  
 Status Date: 01/01/1965  
 Global Id: SL0002046600  
 Lead Agency: LOS ANGELES RWQCB (REGION 4)  
 Lead Agency Case Number: Not reported  
 Latitude: 34.0907  
 Longitude: -118.308274  
 Case Type: Cleanup Program Site  
 Case Worker: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**EXXON #7-3233 (FORMER) (Continued)**

**S101297343**

Local Agency: Not reported  
RB Case Number: Not reported  
File Location: Not reported  
Potential Media Affected: Not reported  
Potential Contaminants of Concern: Not reported  
Site History: Not reported

[Click here to access the California GeoTracker records for this facility:](#)

**P83**  
**SW**  
**1/4-1/2**  
**0.341 mi.**  
**1803 ft.**

**WALT DISNEY COMPANY**  
**833 N. SONORA AVE.**  
**GLENDALE, CA 91201**  
**Site 1 of 3 in cluster P**

**SLIC S111828971**  
**N/A**

**Relative:**  
**Lower**

SLIC:

Region: STATE  
**Facility Status: Open - Site Assessment**  
Status Date: 12/20/1991  
Global Id: SL603798977  
Lead Agency: LOS ANGELES RWQCB (REGION 4)  
Lead Agency Case Number: Not reported  
Latitude: 34.164109  
Longitude: -118.289233  
Case Type: Cleanup Program Site  
Case Worker: LM  
Local Agency: Not reported  
RB Case Number: 109.1119  
File Location: Not reported  
Potential Media Affected: Aquifer used for drinking water supply  
Potential Contaminants of Concern: Not reported  
Site History: Not reported

**Actual:**  
**483 ft.**

[Click here to access the California GeoTracker records for this facility:](#)

**Q84**  
**West**  
**1/4-1/2**  
**0.366 mi.**  
**1934 ft.**

**STANDARD OIL SERVICE (FORMER)**  
**6550 SAN FERNANDO RD**  
**GLENDALE, CA 91201**  
**Site 1 of 2 in cluster Q**

**HIST CORTESE S103281915**  
**LUST N/A**

**Relative:**  
**Lower**

HIST CORTESE:

Region: CORTESE  
Facility County Code: 19  
Reg By: LTNKA  
Reg Id: 912010025

**Actual:**  
**514 ft.**

LUST:

Region: STATE  
Global Id: T0603702035  
Latitude: 34.1683305  
Longitude: -118.2914217  
Case Type: LUST Cleanup Site  
Status: Completed - Case Closed  
Status Date: 11/19/1997  
Lead Agency: LOS ANGELES RWQCB (REGION 4)

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**STANDARD OIL SERVICE (FORMER) (Continued)**

**S103281915**

Case Worker: CET  
Local Agency: GLENDALE, CITY OF  
RB Case Number: 912010025  
LOC Case Number: Not reported  
File Location: Not reported  
Potential Media Affect: Soil  
Potential Contaminants of Concern: Gasoline  
Site History: Not reported

[Click here to access the California GeoTracker records for this facility:](#)

Contact:

Global Id: T0603702035  
Contact Type: Local Agency Caseworker  
Contact Name: UNK  
Organization Name: GLENDALE, CITY OF  
Address: Not reported  
City: r4 UNKNOWN  
Email: Not reported  
Phone Number: Not reported

Global Id: T0603702035  
Contact Type: Regional Board Caseworker  
Contact Name: CHANDRA TYLER  
Organization Name: LOS ANGELES RWQCB (REGION 4)  
Address: Not reported  
City: R4 UNKNOWN  
Email: cetyler@waterboards.ca.gov  
Phone Number: Not reported

Status History:

Global Id: T0603702035  
Status: Open - Case Begin Date  
Status Date: 10/13/1997

Global Id: T0603702035  
Status: Completed - Case Closed  
Status Date: 11/19/1997

Global Id: T0603702035  
Status: Open - Site Assessment  
Status Date: 10/27/1997

Regulatory Activities:

Global Id: T0603702035  
Action Type: Other  
Date: 01/01/1950  
Action: Leak Reported

Global Id: T0603702035  
Action Type: Other  
Date: 01/01/1950  
Action: Leak Discovery

LUST REG 4:

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**STANDARD OIL SERVICE (FORMER) (Continued)**

**S103281915**

Region: 4  
Regional Board: 04  
County: Los Angeles  
Facility Id: 912010025  
Status: Case Closed  
Substance: Gasoline  
Substance Quantity: Not reported  
Local Case No: Not reported  
Case Type: Soil  
Abatement Method Used at the Site: Not reported  
Global ID: T0603702035  
W Global ID: Not reported  
Staff: CEC  
Local Agency: 19070  
Cross Street: WESTERN AVE  
Enforcement Type: Not reported  
Date Leak Discovered: 10/13/1997  
Date Leak First Reported: 10/13/1997  
Date Leak Record Entered: 11/18/1997  
Date Confirmation Began: Not reported  
Date Leak Stopped: Not reported  
Date Case Last Changed on Database: 11/18/1997  
Date the Case was Closed: 11/19/1997  
How Leak Discovered: Subsurface Monitoring  
How Leak Stopped: Not reported  
Cause of Leak: UNK  
Leak Source: UNK  
Operator: Not reported  
Water System: Not reported  
Well Name: Not reported  
Approx. Dist To Production Well (ft): 2513.4237174556946399021271534  
Source of Cleanup Funding: UNK  
Preliminary Site Assessment Workplan Submitted: Not reported  
Preliminary Site Assessment Began: 10/27/1997  
Pollution Characterization Began: Not reported  
Remediation Plan Submitted: Not reported  
Remedial Action Underway: Not reported  
Post Remedial Action Monitoring Began: Not reported  
Enforcement Action Date: Not reported  
Historical Max MTBE Date: Not reported  
Hist Max MTBE Conc in Groundwater: Not reported  
Hist Max MTBE Conc in Soil: Not reported  
Significant Interim Remedial Action Taken: Not reported  
GW Qualifier: Not reported  
Soil Qualifier: Not reported  
Organization: Not reported  
Owner Contact: Not reported  
Responsible Party: STEVENSON REAL ESTATE SERVICES  
RP Address: 1111 N. GRAND BLVD., STE. #200, GLENDALE, CA 91202  
Program: LUST  
Lat/Long: 34.1683305 / -1  
Local Agency Staff: UNK  
Beneficial Use: Not reported  
Priority: Not reported  
Cleanup Fund Id: Not reported  
Suspended: Not reported  
Assigned Name: Not reported

Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**STANDARD OIL SERVICE (FORMER) (Continued)**

**S103281915**

Summary: SITE CURRENTLY OCCUPIED BY A DEL TACO RESTAURANT.

**P85**  
**SW**  
 1/4-1/2  
 0.391 mi.  
 2062 ft.

**KT'S KITCHENS**  
**830 SONORA AVE**  
**GLENDALE, CA 91201**  
 Site 2 of 3 in cluster P

**LUST** **S102432087**  
**WIP** **N/A**

**Relative:**  
**Lower**

LUST REG 4:

**Actual:**  
**480 ft.**

Region:	4	
Regional Board:	04	
County:	Los Angeles	
Facility Id:	912010034	
Status:	Case Closed	
Substance:	Diesel	
Substance Quantity:	Not reported	
Local Case No:	Not reported	
Case Type:	Soil	
Abatement Method Used at the Site:	Excavate and Dispose	
Global ID:	T0603702036	
W Global ID:	Not reported	
Staff:	UNK	
Local Agency:	19070	
Cross Street:	AIR WAY	
Enforcement Type:	Not reported	
Date Leak Discovered:	7/23/1991	
Date Leak First Reported:	7/24/1991	
Date Leak Record Entered:	8/24/1991	
Date Confirmation Began:	Not reported	
Date Leak Stopped:	Not reported	
Date Case Last Changed on Database:	12/5/1991	
Date the Case was Closed:	8/19/1991	
How Leak Discovered:	Tank Closure	
How Leak Stopped:	Not reported	
Cause of Leak:	UNK	
Leak Source:	Piping	
Operator:	Not reported	
Water System:	Not reported	
Well Name:	Not reported	
Approx. Dist To Production Well (ft):	1995.4825539826496841227154435	
Source of Cleanup Funding:	Piping	
Preliminary Site Assessment Workplan Submitted:	Not reported	
Preliminary Site Assessment Began:	7/24/1991	
Pollution Characterization Began:	Not reported	
Remediation Plan Submitted:	Not reported	
Remedial Action Underway:	Not reported	
Post Remedial Action Monitoring Began:	Not reported	
Enforcement Action Date:	Not reported	
Historical Max MTBE Date:	Not reported	
Hist Max MTBE Conc in Groundwater:	Not reported	
Hist Max MTBE Conc in Soil:	Not reported	
Significant Interim Remedial Action Taken:	Not reported	
GW Qualifier:	Not reported	
Soil Qualifier:	Not reported	
Organization:	Not reported	
Owner Contact:	Not reported	
Responsible Party:	MARRIOTT CORP.	
RP Address:	Not reported	



Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**KT'S KITCHENS (Continued)**

**S102432087**

Program: LUST  
Lat/Long: 34.1645916 / -1  
Local Agency Staff: UNK  
Beneficial Use: Not reported  
Priority: Not reported  
Cleanup Fund Id: Not reported  
Suspended: Not reported  
Assigned Name: Not reported  
Summary: SEE UST LEAK REPORT UPDATE (REVISED 6/5/98)

WIP:

Region: 4  
File Number: 109.1062  
**File Status: Historical**  
Staff: WS  
Facility Suite: Not reported

**P86**  
**SW**  
**1/4-1/2**  
**0.391 mi.**  
**2062 ft.**

**K.T'S KITCHENS**  
**830 SONORA AVE**  
**GLENDALE, CA 91201**

**HIST CORTESE** **S103966534**  
**LUST** **N/A**

**Site 3 of 3 in cluster P**

**Relative:**  
**Lower**

HIST CORTESE:  
Region: CORTESE  
Facility County Code: 19  
Reg By: LTNKA  
Reg Id: 912010034

**Actual:**  
**480 ft.**

LUST:

Region: STATE  
Global Id: T0603702036  
Latitude: 34.16386  
Longitude: -118.289307  
Case Type: LUST Cleanup Site  
Status: Completed - Case Closed  
Status Date: 08/19/1991  
Lead Agency: GLENDALE, CITY OF  
Case Worker: UNK  
Local Agency: GLENDALE, CITY OF  
RB Case Number: 912010034  
LOC Case Number: Not reported  
File Location: Not reported  
Potential Media Affect: Soil  
Potential Contaminants of Concern: Diesel  
Site History: Not reported

Click here to access the California GeoTracker records for this facility:

Contact:

Global Id: T0603702036  
Contact Type: Regional Board Caseworker  
Contact Name: YUE RONG  
Organization Name: LOS ANGELES RWQCB (REGION 4)  
Address: 320 W. 4TH ST., SUITE 200  
City: Los Angeles  
Email: yrong@waterboards.ca.gov

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**K.T'S KITCHENS (Continued)**

**S103966534**

Phone Number: Not reported  
Global Id: T0603702036  
Contact Type: Local Agency Caseworker  
Contact Name: UNK  
Organization Name: GLENDALE, CITY OF  
Address: Not reported  
City: r4 UNKNOWN  
Email: Not reported  
Phone Number: Not reported

Status History:  
Global Id: T0603702036  
Status: Completed - Case Closed  
Status Date: 08/19/1991  
Global Id: T0603702036  
Status: Open - Site Assessment  
Status Date: 07/24/1991  
Global Id: T0603702036  
Status: Open - Case Begin Date  
Status Date: 07/23/1991

Regulatory Activities:  
Global Id: T0603702036  
Action Type: Other  
Date: 01/01/1950  
Action: Leak Reported  
Global Id: T0603702036  
Action Type: Other  
Date: 01/01/1950  
Action: Leak Discovery

**Q87**      **MOBIL #18-LLR**  
**West**     **989 WESTERN AVE W**  
**1/4-1/2**   **LOS ANGELES, CA 90019**  
**0.416 mi.**  
**2198 ft.**   **Site 2 of 2 in cluster Q**

**HIST CORTESE**   **S103891210**  
**LUST**             **N/A**

**Relative:**     HIST CORTESE:  
**Lower**        Region:            CORTESE  
                 Facility County Code: 19  
**Actual:**       Reg By:            LTNKA  
**514 ft.**        Reg Id:            900190107

LUST:  
Region:            STATE  
Global Id:         T0603700620  
Latitude:          34.0528638702095  
Longitude:        -118.309289216995  
Case Type:        LUST Cleanup Site  
Status:            Open - Remediation  
Status Date:      07/28/2004

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**MOBIL #18-LLR (Continued)**

**S103891210**

Lead Agency: LOS ANGELES RWQCB (REGION 4)  
Case Worker: DPP  
Local Agency: LOS ANGELES, CITY OF  
RB Case Number: 900190107  
LOC Case Number: Not reported  
File Location: Regional Board  
Potential Media Affect: Aquifer used for drinking water supply  
Potential Contaminants of Concern: Gasoline  
Site History: Not reported

[Click here to access the California GeoTracker records for this facility:](#)

Contact:

Global Id: T0603700620  
Contact Type: Local Agency Caseworker  
Contact Name: ELOY LUNA  
Organization Name: LOS ANGELES, CITY OF  
Address: 200 North Main Street, Suite 1780  
City: LOS ANGELES  
Email: eloy.luna@lacity.org  
Phone Number: Not reported

Global Id: T0603700620  
Contact Type: Regional Board Caseworker  
Contact Name: DANIEL PIROTTON  
Organization Name: LOS ANGELES RWQCB (REGION 4)  
Address: Not reported  
City: R4 UNKNOWN  
Email: dpirotton@waterboards.ca.gov  
Phone Number: 2135766714

Status History:

Global Id: T0603700620  
Status: Open - Remediation  
Status Date: 02/18/2000

Global Id: T0603700620  
Status: Open - Remediation  
Status Date: 07/28/2004

Global Id: T0603700620  
Status: Open - Case Begin Date  
Status Date: 08/24/1989

Global Id: T0603700620  
Status: Open - Site Assessment  
Status Date: 02/04/1997

Global Id: T0603700620  
Status: Open - Site Assessment  
Status Date: 12/24/1997

Global Id: T0603700620  
Status: Open - Site Assessment  
Status Date: 05/27/1999

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**MOBIL #18-LLR (Continued)**

**S103891210**

Regulatory Activities:

Global Id:	T0603700620
Action Type:	ENFORCEMENT
Date:	09/27/2001
Action:	Staff Letter
Global Id:	T0603700620
Action Type:	ENFORCEMENT
Date:	07/17/2001
Action:	Staff Letter
Global Id:	T0603700620
Action Type:	RESPONSE
Date:	10/15/2005
Action:	Soil and Water Investigation Report
Global Id:	T0603700620
Action Type:	RESPONSE
Date:	10/15/2005
Action:	Monitoring Report - Quarterly
Global Id:	T0603700620
Action Type:	ENFORCEMENT
Date:	05/25/2005
Action:	Staff Letter
Global Id:	T0603700620
Action Type:	RESPONSE
Date:	01/15/2008
Action:	Monitoring Report - Quarterly
Global Id:	T0603700620
Action Type:	RESPONSE
Date:	01/15/2008
Action:	Soil and Water Investigation Report
Global Id:	T0603700620
Action Type:	ENFORCEMENT
Date:	01/14/2002
Action:	13267 Requirement
Global Id:	T0603700620
Action Type:	RESPONSE
Date:	10/15/2004
Action:	Soil and Water Investigation Report
Global Id:	T0603700620
Action Type:	RESPONSE
Date:	01/15/2005
Action:	Well Installation Report
Global Id:	T0603700620
Action Type:	RESPONSE
Date:	10/15/2004
Action:	Monitoring Report - Quarterly
Global Id:	T0603700620

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**MOBIL #18-LLR (Continued)**

**S103891210**

Action Type:	RESPONSE
Date:	07/15/2004
Action:	Soil and Water Investigation Report
Global Id:	T0603700620
Action Type:	RESPONSE
Date:	07/15/2007
Action:	Monitoring Report - Quarterly
Global Id:	T0603700620
Action Type:	RESPONSE
Date:	07/15/2007
Action:	Soil and Water Investigation Report
Global Id:	T0603700620
Action Type:	ENFORCEMENT
Date:	06/15/2009
Action:	Staff Letter
Global Id:	T0603700620
Action Type:	RESPONSE
Date:	04/15/2002
Action:	Interim Remedial Action Plan
Global Id:	T0603700620
Action Type:	RESPONSE
Date:	04/15/2002
Action:	Soil and Water Investigation Report
Global Id:	T0603700620
Action Type:	RESPONSE
Date:	04/15/2002
Action:	Monitoring Report - Quarterly
Global Id:	T0603700620
Action Type:	RESPONSE
Date:	07/15/2002
Action:	Monitoring Report - Quarterly
Global Id:	T0603700620
Action Type:	RESPONSE
Date:	07/15/2002
Action:	Other Report / Document
Global Id:	T0603700620
Action Type:	RESPONSE
Date:	01/15/2003
Action:	Soil and Water Investigation Report
Global Id:	T0603700620
Action Type:	RESPONSE
Date:	03/19/2014
Action:	Corrective Action Plan / Remedial Action Plan - Addendum
Global Id:	T0603700620
Action Type:	RESPONSE
Date:	04/15/2004

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**MOBIL #18-LLR (Continued)**

**S103891210**

Action: Soil and Water Investigation Report

Global Id: T0603700620  
Action Type: RESPONSE  
Date: 04/15/2004  
Action: Monitoring Report - Quarterly

Global Id: T0603700620  
Action Type: RESPONSE  
Date: 04/15/2005  
Action: Monitoring Report - Quarterly

Global Id: T0603700620  
Action Type: RESPONSE  
Date: 04/15/2005  
Action: Soil and Water Investigation Report

Global Id: T0603700620  
Action Type: RESPONSE  
Date: 10/15/2007  
Action: Monitoring Report - Quarterly

Global Id: T0603700620  
Action Type: RESPONSE  
Date: 04/15/2003  
Action: Monitoring Report - Quarterly

Global Id: T0603700620  
Action Type: RESPONSE  
Date: 04/15/2008  
Action: Monitoring Report - Quarterly

Global Id: T0603700620  
Action Type: RESPONSE  
Date: 04/15/2008  
Action: Soil and Water Investigation Report

Global Id: T0603700620  
Action Type: RESPONSE  
Date: 04/15/2006  
Action: Monitoring Report - Quarterly

Global Id: T0603700620  
Action Type: RESPONSE  
Date: 04/15/2006  
Action: Soil and Water Investigation Report

Global Id: T0603700620  
Action Type: RESPONSE  
Date: 01/15/2005  
Action: Soil and Water Investigation Report

Global Id: T0603700620  
Action Type: RESPONSE  
Date: 01/15/2005  
Action: Monitoring Report - Quarterly

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**MOBIL #18-LLR (Continued)**

**S103891210**

Global Id:	T0603700620
Action Type:	RESPONSE
Date:	01/15/2010
Action:	Monitoring Report - Semi-Annually
Global Id:	T0603700620
Action Type:	RESPONSE
Date:	01/21/2010
Action:	Remedial Progress Report
Global Id:	T0603700620
Action Type:	RESPONSE
Date:	07/15/2008
Action:	Conceptual Site Model
Global Id:	T0603700620
Action Type:	RESPONSE
Date:	10/04/2012
Action:	Well Installation Report
Global Id:	T0603700620
Action Type:	RESPONSE
Date:	07/15/2012
Action:	Conceptual Site Model
Global Id:	T0603700620
Action Type:	RESPONSE
Date:	07/15/2012
Action:	Monitoring Report - Semi-Annually
Global Id:	T0603700620
Action Type:	RESPONSE
Date:	05/17/2011
Action:	Well Installation Workplan
Global Id:	T0603700620
Action Type:	ENFORCEMENT
Date:	07/28/2004
Action:	Staff Letter
Global Id:	T0603700620
Action Type:	RESPONSE
Date:	10/15/2006
Action:	Soil and Water Investigation Report
Global Id:	T0603700620
Action Type:	RESPONSE
Date:	01/15/2006
Action:	Monitoring Report - Quarterly
Global Id:	T0603700620
Action Type:	RESPONSE
Date:	01/15/2006
Action:	Soil and Water Investigation Report
Global Id:	T0603700620
Action Type:	RESPONSE

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**MOBIL #18-LLR (Continued)**

**S103891210**

Date: 10/15/2002  
Action: Monitoring Report - Quarterly

Global Id: T0603700620  
Action Type: RESPONSE  
Date: 01/15/2003  
Action: Monitoring Report - Quarterly

Global Id: T0603700620  
Action Type: RESPONSE  
Date: 10/15/2002  
Action: Interim Remedial Action Report

Global Id: T0603700620  
Action Type: RESPONSE  
Date: 07/15/2008  
Action: Monitoring Report - Quarterly

Global Id: T0603700620  
Action Type: RESPONSE  
Date: 10/15/2010  
Action: Conceptual Site Model

Global Id: T0603700620  
Action Type: RESPONSE  
Date: 04/15/2009  
Action: Monitoring Report - Semi-Annually

Global Id: T0603700620  
Action Type: RESPONSE  
Date: 10/15/2010  
Action: Monitoring Report - Semi-Annually

Global Id: T0603700620  
Action Type: RESPONSE  
Date: 04/15/2013  
Action: Conceptual Site Model

Global Id: T0603700620  
Action Type: RESPONSE  
Date: 04/15/2009  
Action: Conceptual Site Model

Global Id: T0603700620  
Action Type: RESPONSE  
Date: 01/15/2009  
Action: Monitoring Report - Quarterly

Global Id: T0603700620  
Action Type: RESPONSE  
Date: 10/15/2008  
Action: Conceptual Site Model

Global Id: T0603700620  
Action Type: RESPONSE  
Date: 04/15/2010  
Action: Conceptual Site Model



Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**MOBIL #18-LLR (Continued)**

**S103891210**

Global Id:	T0603700620
Action Type:	RESPONSE
Date:	04/15/2010
Action:	Monitoring Report - Semi-Annually
Global Id:	T0603700620
Action Type:	RESPONSE
Date:	10/15/2007
Action:	Soil and Water Investigation Report
Global Id:	T0603700620
Action Type:	RESPONSE
Date:	07/15/2005
Action:	Monitoring Report - Quarterly
Global Id:	T0603700620
Action Type:	RESPONSE
Date:	07/15/2005
Action:	Soil and Water Investigation Report
Global Id:	T0603700620
Action Type:	RESPONSE
Date:	07/15/2005
Action:	Well Installation Report
Global Id:	T0603700620
Action Type:	ENFORCEMENT
Date:	10/28/2002
Action:	Staff Letter
Global Id:	T0603700620
Action Type:	RESPONSE
Date:	07/15/2006
Action:	Monitoring Report - Quarterly
Global Id:	T0603700620
Action Type:	RESPONSE
Date:	07/15/2006
Action:	Soil and Water Investigation Report
Global Id:	T0603700620
Action Type:	RESPONSE
Date:	10/15/2006
Action:	Monitoring Report - Quarterly
Global Id:	T0603700620
Action Type:	RESPONSE
Date:	01/15/2007
Action:	Monitoring Report - Quarterly
Global Id:	T0603700620
Action Type:	RESPONSE
Date:	01/15/2007
Action:	Soil and Water Investigation Report
Global Id:	T0603700620
Action Type:	RESPONSE

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**MOBIL #18-LLR (Continued)**

**S103891210**

Date: 04/15/2003  
Action: Soil and Water Investigation Report

Global Id: T0603700620  
Action Type: RESPONSE  
Date: 07/15/2003  
Action: Monitoring Report - Quarterly

Global Id: T0603700620  
Action Type: RESPONSE  
Date: 07/15/2003  
Action: Soil and Water Investigation Report

Global Id: T0603700620  
Action Type: RESPONSE  
Date: 07/15/2003  
Action: Other Report / Document

Global Id: T0603700620  
Action Type: RESPONSE  
Date: 01/15/2004  
Action: Monitoring Report - Quarterly

Global Id: T0603700620  
Action Type: RESPONSE  
Date: 01/15/2004  
Action: Soil and Water Investigation Report

Global Id: T0603700620  
Action Type: ENFORCEMENT  
Date: 02/15/2001  
Action: \* Historical Enforcement

Global Id: T0603700620  
Action Type: RESPONSE  
Date: 07/15/2009  
Action: Monitoring Report - Semi-Annually

Global Id: T0603700620  
Action Type: RESPONSE  
Date: 01/15/2009  
Action: Conceptual Site Model

Global Id: T0603700620  
Action Type: RESPONSE  
Date: 10/15/2009  
Action: Conceptual Site Model

Global Id: T0603700620  
Action Type: REMEDIATION  
Date: 01/01/1950  
Action: Soil Vapor Extraction (SVE)

Global Id: T0603700620  
Action Type: REMEDIATION  
Date: 01/01/1950  
Action: In Situ Physical/Chemical Treatment (other than SVE)

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**MOBIL #18-LLR (Continued)**

**S103891210**

Global Id:	T0603700620
Action Type:	REMEDIATION
Date:	01/01/1950
Action:	Free Product Removal
Global Id:	T0603700620
Action Type:	Other
Date:	01/01/1950
Action:	Leak Reported
Global Id:	T0603700620
Action Type:	RESPONSE
Date:	10/15/2009
Action:	Monitoring Report - Semi-Annually
Global Id:	T0603700620
Action Type:	RESPONSE
Date:	10/15/2008
Action:	Monitoring Report - Quarterly
Global Id:	T0603700620
Action Type:	RESPONSE
Date:	01/15/2011
Action:	Monitoring Report - Semi-Annually
Global Id:	T0603700620
Action Type:	RESPONSE
Date:	01/15/2011
Action:	Conceptual Site Model
Global Id:	T0603700620
Action Type:	RESPONSE
Date:	04/15/2007
Action:	Monitoring Report - Quarterly
Global Id:	T0603700620
Action Type:	RESPONSE
Date:	04/15/2007
Action:	Soil and Water Investigation Report
Global Id:	T0603700620
Action Type:	RESPONSE
Date:	10/16/2003
Action:	Soil and Water Investigation Report
Global Id:	T0603700620
Action Type:	RESPONSE
Date:	10/15/2003
Action:	Monitoring Report - Quarterly
Global Id:	T0603700620
Action Type:	RESPONSE
Date:	07/15/2004
Action:	Monitoring Report - Quarterly

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**MOBIL #18-LLR (Continued)**

**S103891210**

LUST REG 4:  
Region: 4  
Regional Board: 04  
County: Los Angeles  
Facility Id: 900190107  
Status: Remediation Plan  
Substance: Gasoline  
Substance Quantity: Not reported  
Local Case No: Not reported  
Case Type: Groundwater  
Abatement Method Used at the Site: Remove Free Product  
Global ID: T0603700620  
W Global ID: Not reported  
Staff: DP  
Local Agency: 19050  
Cross Street: OLYMPIC BLVD  
Enforcement Type: DLSEL  
Date Leak Discovered: Not reported  
Date Leak First Reported: 8/24/1989  
Date Leak Record Entered: 8/29/1989  
Date Confirmation Began: Not reported  
Date Leak Stopped: Not reported  
Date Case Last Changed on Database: 9/3/2002  
Date the Case was Closed: Not reported  
How Leak Discovered: Not reported  
How Leak Stopped: Not reported  
Cause of Leak: Not reported  
Leak Source: Not reported  
Operator: Not reported  
Water System: Not reported  
Well Name: Not reported  
Approx. Dist To Production Well (ft): 6004.1540713653691403626519967  
Source of Cleanup Funding: Not reported  
Preliminary Site Assessment Workplan Submitted: 2/4/1997  
Preliminary Site Assessment Began: 12/24/1997  
Pollution Characterization Began: 5/27/1999  
Remediation Plan Submitted: 2/18/2000  
Remedial Action Underway: Not reported  
Post Remedial Action Monitoring Began: 8/24/1989  
Enforcement Action Date: 2/15/2001  
Historical Max MTBE Date: 8/29/2002  
Hist Max MTBE Conc in Groundwater: 42000  
Hist Max MTBE Conc in Soil: 21000  
Significant Interim Remedial Action Taken: Yes  
GW Qualifier: =  
Soil Qualifier: =  
Organization: Not reported  
Owner Contact: Not reported  
Responsible Party: MR. NICK PUIG  
RP Address: 3700 W 190TH ST.-TPT2  
Program: LUST  
Lat/Long: 34.0485131 / -1  
Local Agency Staff: PEJ  
Beneficial Use: Not reported  
Priority: Not reported  
Cleanup Fund Id: Not reported  
Suspended: Not reported

Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**MOBIL #18-LLR (Continued)**

**S103891210**

Assigned Name: Not reported  
 Summary: ASSESSOR PARCEL NUMBER INDICATES SITE IS LOCATED AT 989 WEST WESTERN AVE. AND NOT 3309 WEST OLYMPIC BLVD.; 4/10/01 1ST QTR GW MON RPT 2001

**R88**  
**SSE**  
 1/4-1/2  
 0.423 mi.  
 2233 ft.

**SEPULVEDA ANG - SEPULVEDA ANG**

**LUST S106517225**  
**MCS N/A**

**SEPULVEDA, CA**

**Site 1 of 2 in cluster R**

**Relative:**  
**Lower**

**LUST REG 4:**

**Actual:**  
**472 ft.**

Region: 4  
 Regional Board: 04  
 County: Los Angeles  
 Facility Id: Not reported  
 Status: Remedial action (cleanup) Underway  
 Substance: Not reported  
 Substance Quantity: Not reported  
 Local Case No: 300307  
 Case Type: Not reported  
 Abatement Method Used at the Site: Not reported  
 Global ID: T0603743904  
 W Global ID: Not reported  
 Staff: SSH  
 Local Agency: Not reported  
 Cross Street: Not reported  
 Enforcement Type: Not reported  
 Date Leak Discovered: Not reported  
 Date Leak First Reported: Not reported  
 Date Leak Record Entered: Not reported  
 Date Confirmation Began: Not reported  
 Date Leak Stopped: Not reported  
 Date Case Last Changed on Database: Not reported  
 Date the Case was Closed: Not reported  
 How Leak Discovered: Not reported  
 How Leak Stopped: Not reported  
 Cause of Leak: Not reported  
 Leak Source: Not reported  
 Operator: Not reported  
 Water System: Not reported  
 Well Name: Not reported  
 Approx. Dist To Production Well (ft): Not reported  
 Source of Cleanup Funding: Not reported  
 Preliminary Site Assessment Workplan Submitted: Not reported  
 Preliminary Site Assessment Began: Not reported  
 Pollution Characterization Began: Not reported  
 Remediation Plan Submitted: Not reported  
 Remedial Action Underway: 6/30/2002  
 Post Remedial Action Monitoring Began: Not reported  
 Enforcement Action Date: Not reported  
 Historical Max MTBE Date: Not reported  
 Hist Max MTBE Conc in Groundwater: Not reported  
 Hist Max MTBE Conc in Soil: Not reported  
 Significant Interim Remedial Action Taken: Not reported  
 GW Qualifier: Not reported  
 Soil Qualifier: Not reported  
 Organization: Not reported  
 Owner Contact: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**SEPULVEDA ANG - SEPULVEDA ANG (Continued)**

**S106517225**

Responsible Party: Winston Crow  
RP Address: Not reported  
Program: DOD  
Lat/Long: Not reported  
Local Agency Staff: Not reported  
Beneficial Use: Not reported  
Priority: Not reported  
Cleanup Fund Id: Not reported  
Suspended: Not reported  
Assigned Name: Not reported  
Summary: Not reported

**MCS:**

Global Id: T0603743904  
Latitude: 34.16167  
Longitude: -118.2828  
Case Type: Military Cleanup Site  
Status: Open - Remediation  
Status Date: 06/30/2002  
Lead Agency: DEPARTMENT OF TOXIC SUBSTANCES CONTROL  
Caseworker: Not reported  
Local Agency: DEPARTMENT OF TOXIC SUBSTANCES CONTROL  
RB Case Number: Not reported  
LOC Case Number: 19970013  
File Location: Not reported  
Potential Media Affect: Not reported  
EDR Link ID: T0603743904  
Potential Contaminants of Concern: Not reported  
Site History: Not reported

[Click here to access the California GeoTracker records for this facility:](#)

**89**  
**SSW**  
**1/4-1/2**  
**0.434 mi.**  
**2290 ft.**

**GRAND CENTRAL AIR TERMINAL**  
**GLENDALE, CA**

**FUDS 1007212202**  
**N/A**

**Relative:**  
**Lower**

**FUDS:**

**Actual:**  
**473 ft.**

Federal Facility ID: CA9799F5452  
FUDS #: J09CA0381  
INST ID: 57118  
Facility Name: GRAND CENTRAL AIR TERMINAL  
City: GLENDALE  
State: CA  
EPA Region: 09  
County: LOS ANGELES  
Congressional District: 29  
US Army District: Los Angeles District (SPL)  
Fiscal Year: 2012  
Telephone: 213-452-3920  
NPL Status: Not Listed  
RAB: Not reported  
CTC: 706.2999  
Current Owner: Local Government; Private Sector  
Current Prog: Not reported  
Future Prog: Not reported

Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**GRAND CENTRAL AIR TERMINAL (Continued)**

**1007212202**

Acreage: Not reported  
 Description: The site comprised 188.86 acres in Glendale, California. The property is owned by several business industries and the city of Glendale. The site is currently located within the boundaries of the San Fernando Valley NPL Site, Glendale Operab  
 Between January 1942 and May 1943, the United States acquired legal interest in the Grand Central Air Terminal, which at the time was a privately-owned airport. A total of 188.83 acres were acquired for use by the military. A major portion  
 Latitude: 34.1625000000  
 Longitude: -118.28888889

**R90**  
**South**  
**1/4-1/2**  
**0.446 mi.**  
**2356 ft.**

**GRAND CENTRAL AIRPORT**  
**1101 AIR WAY**  
**GLENDALE, CA 91201**

**SWF/LF S111075928**  
**N/A**

**Site 2 of 2 in cluster R**

**Relative:**  
**Lower**

LOS ANGELES CO. LF:

Site ID: 1951  
 Alt. Address: 1111 Air Way, Glendale, CA 91201  
 Site Contact: Not reported  
 Site Contact Phone: Not reported  
 Site Email: Not reported  
 Site Website: Not reported  
 Site Type: Unknown  
 Site SWIS Number: 19-AA-5354  
 Beginning Operation Date: Not reported  
 Disposal Area(Acre): 1959  
 Local Enforcement Agency: Not reported  
 Maximun Depth Fill(Ft): Not reported  
 Permitted Capacity: Not reported  
 Present Use: Commercial  
 Remaining Capacity(Million): Not reported  
 Status: Closed  
 Waste Accepted: Not reported  
 Hours of Operation: Not reported  
 Area: Not reported

**Actual:**  
**471 ft.**

Detail As Of 01/2014:

Operator Name: Unknown  
 Operator Address: Not reported  
 Operator City/State/Zip: Not reported  
 Operator Contact: Not reported  
 Operator Telephone: Not reported  
 Operator Email: Not reported  
 Owner Name: Prudential Insurance Company  
 Owner Address: 2029 CENTURY PARK EAST SUIT 3600  
 Owner City/State/Zip: LOS ANGELES, CA  
 Owner Contact: Not reported  
 Owner Telephone: Not reported  
 Owner Email: Not reported

MAP FINDINGS

Map ID  
Direction  
Distance  
Elevation

Site

Database(s)

EDR ID Number  
EPA ID Number

**S91**  
**WNW**  
**1/4-1/2**  
**0.449 mi.**  
**2373 ft.**

**PONAM LTD., INC.**  
**6618 SAN FERNANDO**  
**GLENDALE, CA 91201**

**Site 1 of 5 in cluster S**

**SLIC** **S103982228**  
**WIP** **N/A**  
**ENF**

**Relative:**  
**Lower**

SLIC:

**Actual:**  
**519 ft.**

Region: STATE  
**Facility Status: Open - Site Assessment**  
Status Date: 10/24/2012  
Global Id: T10000004389  
Lead Agency: LOS ANGELES RWQCB (REGION 4)  
Lead Agency Case Number: Not reported  
Latitude: 34.2067964  
Longitude: -118.3500714  
Case Type: Cleanup Program Site  
Case Worker: LM  
Local Agency: Not reported  
RB Case Number: 109.1718  
File Location: Not reported  
Potential Media Affected: Not reported  
Potential Contaminants of Concern: Not reported  
Site History: Not reported

[Click here to access the California GeoTracker records for this facility:](#)

WIP:

Region: 4  
File Number: 109.1718  
**File Status: Backlog**  
Staff: UNIDENTIFIED  
Facility Suite: Not reported

ENF:

Region: 4  
Facility Id: 248851  
Agency Name: PONAM LTD., INC.  
Place Type: Facility  
Place Subtype: Not reported  
Facility Type: Not reported  
Agency Type: Privately-Owned Business  
# Of Agencies: 1  
Place Latitude: 34.169301  
Place Longitude: -118.292851  
SIC Code 1: Not reported  
SIC Desc 1: Not reported  
SIC Code 2: Not reported  
SIC Desc 2: Not reported  
SIC Code 3: Not reported  
SIC Desc 3: Not reported  
NAICS Code 1: Not reported  
NAICS Desc 1: Not reported  
NAICS Code 2: Not reported  
NAICS Desc 2: Not reported  
NAICS Code 3: Not reported  
NAICS Desc 3: Not reported  
# Of Places: 1  
Source Of Facility: Reg Meas



Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**PONAM LTD., INC. (Continued)**

**S103982228**

Design Flow:	Not reported
Threat To Water Quality:	Not reported
Complexity:	Not reported
Pretreatment:	Not reported
Facility Waste Type:	Not reported
Facility Waste Type 2:	Not reported
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	WIP
Program Category1:	MONITORING
Program Category2:	MONITORING
# Of Programs:	1
WDID:	4WIP1091718
Reg Measure Id:	157646
Reg Measure Type:	Unregulated
Region:	4
Order #:	Not reported
Npdes# CA#:	Not reported
Major-Minor:	Not reported
Npdes Type:	Not reported
Reclamation:	Not reported
Dredge Fill Fee:	Not reported
301H:	Not reported
Application Fee Amt Received:	Not reported
Status:	Never Active
Status Date:	02/20/2013
Effective Date:	Not reported
Expiration/Review Date:	Not reported
Termination Date:	Not reported
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	N
Individual/General:	I
Fee Code:	Not reported
Direction/Voice:	Passive
Enforcement Id(EID):	220934
Region:	4
Order / Resolution Number:	13267 Letter
Enforcement Action Type:	13267 Letter
Effective Date:	11/09/2000
Adoption/Issuance Date:	Not reported
Achieve Date:	Not reported
Termination Date:	11/09/2000
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Historical
Title:	Enforcement - 4WIP1091718
Description:	Not reported
Program:	WIP
Latest Milestone Completion Date:	Not reported
# Of Programs1:	1
Total Assessment Amount:	0
Initial Assessed Amount:	0

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**PONAM LTD., INC. (Continued)**

**S103982228**

Liability \$ Amount: 0  
Project \$ Amount: 0  
Liability \$ Paid: 0  
Project \$ Completed: 0  
Total \$ Paid/Completed Amount: 0

**S92**  
**West**  
**1/4-1/2**  
**0.453 mi.**  
**2390 ft.**

**MULTICOLOR PRINTER**  
**6623 SAN FERNANDO RD. #B**  
**GLENDALE, CA 91201**

**SLIC S106484726**  
**N/A**

**Site 2 of 5 in cluster S**

**Relative:**  
**Lower**

SLIC:

Region: STATE  
**Facility Status: Open - Site Assessment**  
Status Date: 04/30/1990  
Global Id: SL603798927  
Lead Agency: LOS ANGELES RWQCB (REGION 4)  
Lead Agency Case Number: Not reported  
Latitude: 34.168684  
Longitude: -118.291219  
Case Type: Cleanup Program Site  
Case Worker: GJH  
Local Agency: Not reported  
RB Case Number: 109.0062  
File Location: Not reported  
Potential Media Affected: Aquifer used for drinking water supply  
Potential Contaminants of Concern: Not reported  
Site History: Not reported

**Actual:**  
**519 ft.**

[Click here to access the California GeoTracker records for this facility:](#)

**93**  
**West**  
**1/4-1/2**  
**0.464 mi.**  
**2452 ft.**

**JOHN & THERESA IPPOLITO TRUST**  
**1706 STANDARD AVENUE**  
**GLENDALE, CA 91201**

**SLIC S107473158**  
**N/A**

**Relative:**  
**Lower**

SLIC:

Region: STATE  
**Facility Status: Open - Remediation**  
Status Date: 04/28/2010  
Global Id: SL0603790780  
Lead Agency: LOS ANGELES RWQCB (REGION 4)  
Lead Agency Case Number: Not reported  
Latitude: 34.168159  
Longitude: -118.293261  
Case Type: Cleanup Program Site  
Case Worker: JYP  
Local Agency: Not reported  
RB Case Number: 109.0981  
File Location: Regional Board  
Potential Media Affected: Aquifer used for drinking water supply  
Potential Contaminants of Concern: Tetrachloroethylene (PCE), Trichloroethylene (TCE)  
Site History: Not reported

**Actual:**  
**507 ft.**

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**JOHN & THERESA IPPOLITO TRUST (Continued)**

**S107473158**

[Click here to access the California GeoTracker records for this facility:](#)

**S94**  
**WNW**  
**1/4-1/2**  
**0.470 mi.**  
**2481 ft.**

**PENNOYER - DODGE CO.**  
**6628 SAN FERNANDO RD**  
**GLENDALE, CA 91201**

**Site 3 of 5 in cluster S**

**SLIC** **S106484738**  
**WIP** **N/A**  
**ENF**

**Relative:**  
**Lower**

**SLIC:**

**Actual:**  
**520 ft.**

Region: STATE  
**Facility Status: Open - Site Assessment**  
Status Date: 04/30/1990  
Global Id: SL603798939  
Lead Agency: LOS ANGELES RWQCB (REGION 4)  
Lead Agency Case Number: Not reported  
Latitude: 34.169417  
Longitude: -118.292217  
Case Type: Cleanup Program Site  
Case Worker: GJH  
Local Agency: Not reported  
RB Case Number: 109.0577  
File Location: Not reported  
Potential Media Affected: Aquifer used for drinking water supply  
Potential Contaminants of Concern: Not reported  
Site History: Not reported

[Click here to access the California GeoTracker records for this facility:](#)

**WIP:**

Region: 4  
File Number: 109.0577  
**File Status: Backlog**  
Staff: UNIDENTIFIED  
Facility Suite: Not reported

**ENF:**

Region: 4  
Facility Id: 245744  
Agency Name: OCCUPANT  
Place Type: Facility  
Place Subtype: Not reported  
Facility Type: Not reported  
Agency Type: Privately-Owned Business  
# Of Agencies: 1  
Place Latitude: 34.169532  
Place Longitude: -118.29316  
SIC Code 1: Not reported  
SIC Desc 1: Not reported  
SIC Code 2: Not reported  
SIC Desc 2: Not reported  
SIC Code 3: Not reported  
SIC Desc 3: Not reported  
NAICS Code 1: Not reported  
NAICS Desc 1: Not reported  
NAICS Code 2: Not reported  
NAICS Desc 2: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**PENNOYER - DODGE CO. (Continued)**

**S106484738**

NAICS Code 3:	Not reported
NAICS Desc 3:	Not reported
# Of Places:	1
Source Of Facility:	Reg Meas
Design Flow:	Not reported
Threat To Water Quality:	Not reported
Complexity:	Not reported
Pretreatment:	Not reported
Facility Waste Type:	Not reported
Facility Waste Type 2:	Not reported
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	WIP
Program Category1:	MONITORING
Program Category2:	MONITORING
# Of Programs:	1
WDID:	4WIP1090577
Reg Measure Id:	158825
Reg Measure Type:	Unregulated
Region:	4
Order #:	Not reported
Npdes# CA#:	Not reported
Major-Minor:	Not reported
Npdes Type:	Not reported
Reclamation:	Not reported
Dredge Fill Fee:	Not reported
301H:	Not reported
Application Fee Amt Received:	Not reported
Status:	Never Active
Status Date:	02/20/2013
Effective Date:	Not reported
Expiration/Review Date:	Not reported
Termination Date:	Not reported
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	N
Individual/General:	I
Fee Code:	Not reported
Direction/Voice:	Passive
Enforcement Id(EID):	220804
Region:	4
Order / Resolution Number:	13267 Letter
Enforcement Action Type:	13267 Letter
Effective Date:	12/05/2000
Adoption/Issuance Date:	Not reported
Achieve Date:	Not reported
Termination Date:	12/05/2000
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Historical
Title:	Enforcement - 4WIP1090577
Description:	Not reported
Program:	WIP

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**PENNOYER - DODGE CO. (Continued)**

**S106484738**

Latest Milestone Completion Date: Not reported  
# Of Programs1: 1  
Total Assessment Amount: 0  
Initial Assessed Amount: 0  
Liability \$ Amount: 0  
Project \$ Amount: 0  
Liability \$ Paid: 0  
Project \$ Completed: 0  
Total \$ Paid/Completed Amount: 0

**S95**  
**WNW**  
**1/4-1/2**  
**0.475 mi.**  
**2509 ft.**

**PENNOYER-DODGE CO**  
**6634 SAN FERNANDO RD**  
**GLENDALE, CA 91201**  
**Site 4 of 5 in cluster S**

**CA FID UST** **1000318680**  
**SLIC** **N/A**  
**HIST UST**  
**SWEEPS UST**  
**LA Co. Site Mitigation**  
**WIP**  
**LOS ANGELES CO. HMS**  
**ENF**  
**EMI**

**Relative:**  
**Lower**

**Actual:**  
**520 ft.**

CA FID UST:  
Facility ID: 19028470  
Regulated By: UTNKA  
Regulated ID: 00016903  
Cortese Code: Not reported  
SIC Code: Not reported  
Facility Phone: 8180000000  
Mail To: Not reported  
Mailing Address: BOX  
Mailing Address 2: Not reported  
Mailing City,St,Zip: GLENDALE 91201  
Contact: Not reported  
Contact Phone: Not reported  
DUNs Number: Not reported  
NPDES Number: Not reported  
EPA ID: Not reported  
Comments: Not reported  
Status: Active

**SLIC:**

Region: STATE  
**Facility Status: Open - Site Assessment**  
Status Date: 10/23/1987  
Global Id: SL603798954  
Lead Agency: LOS ANGELES RWQCB (REGION 4)  
Lead Agency Case Number: Not reported  
Latitude: 34.169417  
Longitude: -118.292217  
Case Type: Cleanup Program Site  
Case Worker: GJH  
Local Agency: Not reported  
RB Case Number: 109.0833  
File Location: Not reported  
Potential Media Affected: Aquifer used for drinking water supply  
Potential Contaminants of Concern: Not reported  
Site History: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**PENNOYER-DODGE CO (Continued)**

**1000318680**

[Click here to access the California GeoTracker records for this facility:](#)

**HIST UST:**

Region: STATE  
Facility ID: 00000016903  
Facility Type: Other  
Other Type: MANUFACTURING  
Total Tanks: 0003  
Contact Name: ROBERT DODGE  
Telephone: 2132458971  
Owner Name: PENNOYER-DODGE CO.  
Owner Address: 6634 SAN FERNANDO ROAD  
Owner City,St,Zip: GLENDALE, CA 91201

Tank Num: 001  
Container Num: 1  
Year Installed: Not reported  
Tank Capacity: 00000500  
Tank Used for: PRODUCT  
Type of Fuel: Not reported  
Tank Construction: Not reported  
Leak Detection: Stock Inventor

Tank Num: 002  
Container Num: 2  
Year Installed: 1979  
Tank Capacity: 00004000  
Tank Used for: PRODUCT  
Type of Fuel: DIESEL  
Tank Construction: 3/16 gauge  
Leak Detection: Stock Inventor

Tank Num: 003  
Container Num: 3  
Year Installed: 1979  
Tank Capacity: 00004000  
Tank Used for: PRODUCT  
Type of Fuel: UNLEADED  
Tank Construction: 3/16 gauge  
Leak Detection: Stock Inventor

**SWEEPS UST:**

Status: Active  
Comp Number: 10529  
Number: 9  
Board Of Equalization: Not reported  
Referral Date: 12-12-90  
Action Date: 12-12-90  
Created Date: 06-30-89  
Owner Tank Id: Not reported  
SWRCB Tank Id: Not reported  
Tank Status: Not reported  
Capacity: Not reported  
Active Date: Not reported  
Tank Use: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**PENNOYER-DODGE CO (Continued)**

**1000318680**

STG: Not reported  
Content: Not reported  
Number Of Tanks: Not reported

LA Co. Site Mitigation:

Facility ID: Not reported  
Site ID: SD0011374  
Jurisdiction: County  
Case ID: RO0001062  
Abated: Not reported  
Assigned To: Not reported  
Entered Date: 05/11/2004

WIP:

Region: 4  
File Number: 109.0833  
**File Status: Backlog**  
Staff: UNIDENTIFIED  
Facility Suite: Not reported

LOS ANGELES CO. HMS:

Region: LA  
Facility Id: 010591-010529  
Facility Type: T0  
Facility Status: Removed  
Area: 3D  
Permit Number: 00001994T  
Permit Status: Removed

ENF:

Region: 4  
Facility Id: 247944  
Agency Name: PENNOYER-DODGE CO.  
Place Type: Facility  
Place Subtype: Not reported  
Facility Type: All other facilities  
Agency Type: Privately-Owned Business  
# Of Agencies: 1  
Place Latitude: 34.169585  
Place Longitude: -118.293236  
SIC Code 1: Not reported  
SIC Desc 1: Not reported  
SIC Code 2: Not reported  
SIC Desc 2: Not reported  
SIC Code 3: Not reported  
SIC Desc 3: Not reported  
NAICS Code 1: Not reported  
NAICS Desc 1: Not reported  
NAICS Code 2: Not reported  
NAICS Desc 2: Not reported  
NAICS Code 3: Not reported  
NAICS Desc 3: Not reported  
# Of Places: 1  
Source Of Facility: Reg Meas  
Design Flow: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**PENNOYER-DODGE CO (Continued)**

**1000318680**

Threat To Water Quality:	Not reported
Complexity:	Not reported
Pretreatment:	Not reported
Facility Waste Type:	Not reported
Facility Waste Type 2:	Not reported
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	WIP
Program Category1:	MONITORING
Program Category2:	MONITORING
# Of Programs:	1
WDID:	4WIP1090833
Reg Measure Id:	156993
Reg Measure Type:	Unregulated
Region:	4
Order #:	Not reported
Npdes# CA#:	Not reported
Major-Minor:	Not reported
Npdes Type:	Not reported
Reclamation:	Not reported
Dredge Fill Fee:	Not reported
301H:	Not reported
Application Fee Amt Received:	Not reported
Status:	Never Active
Status Date:	02/20/2013
Effective Date:	Not reported
Expiration/Review Date:	Not reported
Termination Date:	Not reported
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	N
Individual/General:	I
Fee Code:	Not reported
Direction/Voice:	Passive
Enforcement Id(EID):	221008
Region:	4
Order / Resolution Number:	13267 Letter
Enforcement Action Type:	13267 Letter
Effective Date:	11/09/2000
Adoption/Issuance Date:	Not reported
Achieve Date:	Not reported
Termination Date:	11/09/2000
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Historical
Title:	Enforcement - 4WIP1090833
Description:	Not reported
Program:	WIP
Latest Milestone Completion Date:	Not reported
# Of Programs1:	1
Total Assessment Amount:	0
Initial Assessed Amount:	0
Liability \$ Amount:	0



Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**PENNOYER-DODGE CO (Continued)**

**1000318680**

Project \$ Amount: 0  
 Liability \$ Paid: 0  
 Project \$ Completed: 0  
 Total \$ Paid/Completed Amount: 0

**EMI:**

Year: 1990  
 County Code: 19  
 Air Basin: SC  
 Facility ID: 24129  
 Air District Name: SC  
 SIC Code: 5511  
 Air District Name: SOUTH COAST AQMD  
 Community Health Air Pollution Info System: Not reported  
 Consolidated Emission Reporting Rule: Not reported  
 Total Organic Hydrocarbon Gases Tons/Yr: 0  
 Reactive Organic Gases Tons/Yr: 0  
 Carbon Monoxide Emissions Tons/Yr: 0  
 NOX - Oxides of Nitrogen Tons/Yr: 0  
 SOX - Oxides of Sulphur Tons/Yr: 0  
 Particulate Matter Tons/Yr: 0  
 Part. Matter 10 Micrometers & Smllr Tons/Yr: 0

**S96**  
**WNW**  
**1/4-1/2**  
**0.489 mi.**  
**2580 ft.**

**PENNOYER-DODGE CO.**  
**6650 SAN FERNANDO**  
**GLENDALE, CA 91201**  
**Site 5 of 5 in cluster S**

**SLIC S103668603**  
**WIP N/A**  
**ENF**

**Relative:**  
**Lower**

**SLIC:**

Region: STATE  
**Facility Status: Open - Site Assessment**  
 Status Date: 10/23/1987  
 Global Id: SL603798940  
 Lead Agency: LOS ANGELES RWQCB (REGION 4)  
 Lead Agency Case Number: Not reported  
 Latitude: 34.169417  
 Longitude: -118.292217  
 Case Type: Cleanup Program Site  
 Case Worker: GJH  
 Local Agency: Not reported  
 RB Case Number: 109.0579  
 File Location: Not reported  
 Potential Media Affected: Aquifer used for drinking water supply  
 Potential Contaminants of Concern: Not reported  
 Site History: Not reported

**Actual:**  
**521 ft.**

[Click here to access the California GeoTracker records for this facility:](#)

**WIP:**

Region: 4  
 File Number: 109.0579  
**File Status: Backlog**  
 Staff: UNIDENTIFIED  
 Facility Suite: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**PENNOYER-DODGE CO. (Continued)**

**S103668603**

ENF:  
Region: 4  
Facility Id: 250193  
Agency Name: PENNOYER-DODGE CO.  
Place Type: Facility  
Place Subtype: Not reported  
Facility Type: All other facilities  
Agency Type: Privately-Owned Business  
# Of Agencies: 1  
Place Latitude: 34.169728  
Place Longitude: -118.293437  
SIC Code 1: Not reported  
SIC Desc 1: Not reported  
SIC Code 2: Not reported  
SIC Desc 2: Not reported  
SIC Code 3: Not reported  
SIC Desc 3: Not reported  
NAICS Code 1: Not reported  
NAICS Desc 1: Not reported  
NAICS Code 2: Not reported  
NAICS Desc 2: Not reported  
NAICS Code 3: Not reported  
NAICS Desc 3: Not reported  
# Of Places: 1  
Source Of Facility: Reg Meas  
Design Flow: Not reported  
Threat To Water Quality: Not reported  
Complexity: Not reported  
Pretreatment: Not reported  
Facility Waste Type: Not reported  
Facility Waste Type 2: Not reported  
Facility Waste Type 3: Not reported  
Facility Waste Type 4: Not reported  
Program: WIP  
Program Category1: MONITORING  
Program Category2: MONITORING  
# Of Programs: 1  
WDID: 4WIP1090579  
Reg Measure Id: 149413  
Reg Measure Type: Unregulated  
Region: 4  
Order #: Not reported  
Npdes# CA#: Not reported  
Major-Minor: Not reported  
Npdes Type: Not reported  
Reclamation: Not reported  
Dredge Fill Fee: Not reported  
301H: Not reported  
Application Fee Amt Received: Not reported  
Status: Never Active  
Status Date: 02/20/2013  
Effective Date: Not reported  
Expiration/Review Date: Not reported  
Termination Date: Not reported  
WDR Review - Amend: Not reported  
WDR Review - Revise/Renew: Not reported  
WDR Review - Rescind: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**PENNOYER-DODGE CO. (Continued)**

**S103668603**

WDR Review - No Action Required: Not reported  
WDR Review - Pending: Not reported  
WDR Review - Planned: Not reported  
Status Enrollee: N  
Individual/General: I  
Fee Code: Not reported  
Direction/Voice: Passive  
Enforcement Id(EID): 226003  
Region: 4  
Order / Resolution Number: 13267 Letter  
Enforcement Action Type: 13267 Letter  
Effective Date: 11/09/2000  
Adoption/Issuance Date: Not reported  
Achieve Date: Not reported  
Termination Date: 11/09/2000  
ACL Issuance Date: Not reported  
EPL Issuance Date: Not reported  
Status: Historical  
Title: Enforcement - 4WIP1090579  
Description: Not reported  
Program: WIP  
Latest Milestone Completion Date: Not reported  
# Of Programs1: 1  
Total Assessment Amount: 0  
Initial Assessed Amount: 0  
Liability \$ Amount: 0  
Project \$ Amount: 0  
Liability \$ Paid: 0  
Project \$ Completed: 0  
Total \$ Paid/Completed Amount: 0

97  
SSW  
1/2-1  
0.506 mi.  
2674 ft.

**GRAND CENTRAL AIR TERMINAL**  
**GLENDALE, CA**

**ENVIROSTOR S103966532**  
**N/A**

**Relative:**  
**Lower**

ENVIROSTOR:  
Facility ID: 80000255  
Status: Inactive - Needs Evaluation  
Status Date: 07/01/2005  
Site Code: Not reported  
Site Type: Military Evaluation  
Site Type Detailed: FUDS  
Acres: 189  
NPL: NO  
Regulatory Agencies: SMBRP  
Lead Agency: SMBRP  
Program Manager: Not reported  
Supervisor: Douglas Bautista  
Division Branch: Cleanup Cypress  
Assembly: 43  
Senate: 25  
Special Program: Not reported  
Restricted Use: NO  
Site Mgmt Req: NONE SPECIFIED  
Funding: DERA  
Latitude: 34.1625

**Actual:**  
**472 ft.**

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**GRAND CENTRAL AIR TERMINAL (Continued)**

**S103966532**

Longitude: -118.2888  
APN: NONE SPECIFIED  
Past Use: NONE SPECIFIED  
Potential COC: NONE SPECIFIED  
Confirmed COC: NONE SPECIFIED  
Potential Description: NONE SPECIFIED  
Alias Name: GRAND CENTRAL AIR TERM  
Alias Type: Alternate Name  
Alias Name: CA99799F545200  
Alias Type: Federal Facility ID  
Alias Name: J09CA0381  
Alias Type: INPR  
Alias Name: 80000255  
Alias Type: Envirostor ID Number  
  
Completed Info:  
Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Inventory Project Report (INPR)  
Completed Date: 10/18/1991  
Comments: Not reported  
  
Future Area Name: Not reported  
Future Sub Area Name: Not reported  
Future Document Type: Not reported  
Future Due Date: Not reported  
Schedule Area Name: Not reported  
Schedule Sub Area Name: Not reported  
Schedule Document Type: Not reported  
Schedule Due Date: Not reported  
Schedule Revised Date: Not reported

98  
WNW  
1/2-1  
0.556 mi.  
2936 ft.

**AUTOMATION PLATING CORP.  
927 THOMPSON AVE  
GLENDALE, CA 91201**

**RCRA-LQG 1000334511  
FINDS CAD008342784  
SLIC  
HIST UST  
WIP  
ENF  
ENVIROSTOR  
WDS**

Relative:  
Lower

Actual:  
517 ft.

RCRA-LQG:  
Date form received by agency: 02/28/2012  
Facility name: AUTOMATION PLATING CORP.  
Facility address: 927 THOMPSON AVE  
GLENDALE, CA 91201  
EPA ID: CAD008342784  
Mailing address: THOMPSON AVE  
GLENDALE, CA 91201  
Contact: WILLIAM D WIGGINS  
Contact address: THOMPSON AVE  
GLENDALE, CA 91201  
Contact country: Not reported  
Contact telephone: (323) 245-4951  
Contact email: BILLWIGGINS@APCSINC.COM  
EPA Region: 09  
Land type: Private  
Classification: Large Quantity Generator

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**AUTOMATION PLATING CORP. (Continued)**

**1000334511**

Description: Handler: generates 1,000 kg or more of hazardous waste during any calendar month; or generates more than 1 kg of acutely hazardous waste during any calendar month; or generates more than 100 kg of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month; or generates 1 kg or less of acutely hazardous waste during any calendar month, and accumulates more than 1 kg of acutely hazardous waste at any time; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates more than 100 kg of that material at any time

Owner/Operator Summary:

Owner/operator name: AUTOMATION PLATING CORP.  
Owner/operator address: THOMPSON AVE  
GLENDAL, CA 91201  
Owner/operator country: Not reported  
Owner/operator telephone: (323) 245-4951  
Legal status: Private  
Owner/Operator Type: Owner  
Owner/Op start date: 03/01/1952  
Owner/Op end date: Not reported

Owner/operator name: AUTOMATION PLATING CORP.  
Owner/operator address: THOMPSON AVE  
GLENDAL, CA 91201  
Owner/operator country: US  
Owner/operator telephone: (323) 245-4951  
Legal status: Private  
Owner/Operator Type: Operator  
Owner/Op start date: 03/01/1952  
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No  
Mixed waste (haz. and radioactive): No  
Recycler of hazardous waste: No  
Transporter of hazardous waste: No  
Treater, storer or disposer of HW: No  
Underground injection activity: No  
On-site burner exemption: No  
Furnace exemption: No  
Used oil fuel burner: No  
Used oil processor: No  
User oil refiner: No  
Used oil fuel marketer to burner: No  
Used oil Specification marketer: No  
Used oil transfer facility: No  
Used oil transporter: No

Historical Generators:

Date form received by agency: 05/19/2010  
Facility name: AUTOMATION PLATING CORP.  
Classification: Large Quantity Generator

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**AUTOMATION PLATING CORP. (Continued)**

**1000334511**

Date form received by agency: 02/16/2006

Facility name: AUTOMATION PLATING CORP.  
Site name: AUTOMATION PLATING CORP  
Classification: Large Quantity Generator

Date form received by agency: 01/21/2004

Facility name: AUTOMATION PLATING CORP.  
Site name: AUTOMATION PLATING CORP  
Classification: Large Quantity Generator

Date form received by agency: 01/23/2002

Facility name: AUTOMATION PLATING CORP.  
Site name: AUTOMATION PALTING CORP  
Classification: Large Quantity Generator

Date form received by agency: 10/12/2000

Facility name: AUTOMATION PLATING CORP.  
Site name: AUTOMATION PLATING CORPORATION  
Classification: Large Quantity Generator

Date form received by agency: 03/04/1999

Facility name: AUTOMATION PLATING CORP.  
Classification: Large Quantity Generator

Date form received by agency: 09/01/1996

Facility name: AUTOMATION PLATING CORP.  
Site name: AUTOMATION PLATING  
Classification: Large Quantity Generator

Date form received by agency: 02/21/1996

Facility name: AUTOMATION PLATING CORP.  
Classification: Large Quantity Generator

Date form received by agency: 03/03/1994

Facility name: AUTOMATION PLATING CORP.  
Site name: AUTOMATION PLATING CORP  
Classification: Large Quantity Generator

Date form received by agency: 02/20/1992

Facility name: AUTOMATION PLATING CORP.  
Classification: Large Quantity Generator

Date form received by agency: 03/24/1990

Facility name: AUTOMATION PLATING CORP.  
Site name: AUTOMATION PLATING  
Classification: Large Quantity Generator

Date form received by agency: 06/30/1980

Facility name: AUTOMATION PLATING CORP.  
Site name: AUTOMATION PLATING  
Classification: Large Quantity Generator

**Hazardous Waste Summary:**

Waste code: F006

Waste name: WASTEWATER TREATMENT SLUDGES FROM ELECTROPLATING OPERATIONS EXCEPT FROM THE FOLLOWING PROCESSES: (1) SULFURIC ACID ANODIZING OF ALUMINUM; (2) TIN PLATING ON CARBON STEEL; (3) ZINC PLATING (SEGREGATED BASIS)

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**AUTOMATION PLATING CORP. (Continued)**

**1000334511**

ON CARBON STEEL; (4) ALUMINUM OR ZINC-ALUMINUM PLATING ON CARBON STEEL; (5) CLEANING/STRIPPING ASSOCIATED WITH TIN, ZINC AND ALUMINUM PLATING ON CARBON STEEL; AND (6) CHEMICAL ETCHING AND MILLING OF ALUMINUM.

Biennial Reports:

Last Biennial Reporting Year: 2013

Annual Waste Handled:

Waste code: F006  
Waste name: WASTEWATER TREATMENT SLUDGES FROM ELECTROPLATING OPERATIONS EXCEPT FROM THE FOLLOWING PROCESSES: (1) SULFURIC ACID ANODIZING OF ALUMINUM; (2) TIN PLATING ON CARBON STEEL; (3) ZINC PLATING (SEGREGATED BASIS) ON CARBON STEEL; (4) ALUMINUM OR ZINC-ALUMINUM PLATING ON CARBON STEEL; (5) CLEANING/STRIPPING ASSOCIATED WITH TIN, ZINC AND ALUMINUM PLATING ON CARBON STEEL; AND (6) CHEMICAL ETCHING AND MILLING OF ALUMINUM.  
Amount (Lbs): 150000

Facility Has Received Notices of Violations:

Regulation violated: Not reported  
Area of violation: Generators - Pre-transport  
Date violation determined: 04/22/2009  
Date achieved compliance: Not reported  
Violation lead agency: EPA  
Enforcement action: Not reported  
Enforcement action date: Not reported  
Enf. disposition status: Not reported  
Enf. disp. status date: Not reported  
Enforcement lead agency: Not reported  
Proposed penalty amount: Not reported  
Final penalty amount: Not reported  
Paid penalty amount: Not reported

Regulation violated: Not reported  
Area of violation: Generators - General  
Date violation determined: 06/17/1994  
Date achieved compliance: 08/03/1994  
Violation lead agency: State  
Enforcement action: Not reported  
Enforcement action date: Not reported  
Enf. disposition status: Not reported  
Enf. disp. status date: Not reported  
Enforcement lead agency: Not reported  
Proposed penalty amount: Not reported  
Final penalty amount: Not reported  
Paid penalty amount: Not reported

Evaluation Action Summary:

Evaluation date: 04/22/2009  
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE  
Area of violation: Generators - Pre-transport  
Date achieved compliance: Not reported  
Evaluation lead agency: EPA

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**AUTOMATION PLATING CORP. (Continued)**

**1000334511**

Evaluation date: 06/17/1994  
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE  
Area of violation: Generators - General  
Date achieved compliance: 08/03/1994  
Evaluation lead agency: State Contractor/Grantee

Evaluation date: 11/30/1984  
Evaluation: NON-FINANCIAL RECORD REVIEW  
Area of violation: Not reported  
Date achieved compliance: Not reported  
Evaluation lead agency: State

Evaluation date: 11/30/1984  
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE  
Area of violation: Not reported  
Date achieved compliance: Not reported  
Evaluation lead agency: State

**FINDS:**

Registry ID: 110000476654

**Environmental Interest/Information System**

The NEI (National Emissions Inventory) database contains information on stationary and mobile sources that emit criteria air pollutants and their precursors, as well as hazardous air pollutants (HAPs).

US EPA TRIS (Toxics Release Inventory System) contains information from facilities on the amounts of over 300 listed toxic chemicals that these facilities release directly to air, water, land, or that are transported off-site.

California Hazardous Waste Tracking System - Datamart (HWTS-DATAMART) provides California with information on hazardous waste shipments for generators, transporters, and treatment, storage, and disposal facilities.

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

HAZARDOUS WASTE BIENNIAL REPORTER

**SLIC:**

Region: STATE  
**Facility Status:** **Open - Site Assessment**  
Status Date: 03/27/1987  
Global Id: SL603798934  
Lead Agency: DEPARTMENT OF TOXIC SUBSTANCES CONTROL  
Lead Agency Case Number: 71003426  
Latitude: 34.169415  
Longitude: -118.293928  
Case Type: Cleanup Program Site



Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**AUTOMATION PLATING CORP. (Continued)**

**1000334511**

Case Worker: Not reported  
Local Agency: Not reported  
RB Case Number: Not reported  
File Location: DTSC  
Potential Media Affected: Aquifer used for drinking water supply  
Potential Contaminants of Concern: Not reported  
Site History: Case transferred to DTSC on 5/22/07

[Click here to access the California GeoTracker records for this facility:](#)

**HIST UST:**

Region: STATE  
Facility ID: 00000008057  
Facility Type: Other  
Other Type: ELECTROPLATING  
Total Tanks: 0001  
Contact Name: WM. D. WIGGINS  
Telephone: 8182452844  
Owner Name: AUTOMATION PLATING CORP.  
Owner Address: 927 THOMPSON AVE.  
Owner City,St,Zip: GLENDALE, CA 91201

Tank Num: 001  
Container Num: 01  
Year Installed: 1982  
Tank Capacity: 00000750  
Tank Used for: WASTE  
Type of Fuel: Not reported  
Tank Construction: 4 inches  
Leak Detection: Visual

**WIP:**

Region: 4  
File Number: 109.0148  
**File Status: Active**  
Staff: MZAIDI  
Facility Suite: Not reported

**ENF:**

Region: 4  
Facility Id: 208248  
Agency Name: Automation Plating Corp.  
Place Type: Manufacturing  
Place Subtype: Manufacturing NEC  
Facility Type: All other facilities  
Agency Type: Privately-Owned Business  
# Of Agencies: 1  
Place Latitude: 34.169636  
Place Longitude: -118.294647  
SIC Code 1: 3471  
SIC Desc 1: Electroplating, Plating, Polishing, Anodizing, and Coloring  
SIC Code 2: Not reported  
SIC Desc 2: Not reported  
SIC Code 3: Not reported  
SIC Desc 3: Not reported  
NAICS Code 1: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**AUTOMATION PLATING CORP. (Continued)**

**1000334511**

NAICS Desc 1:	Not reported
NAICS Code 2:	Not reported
NAICS Desc 2:	Not reported
NAICS Code 3:	Not reported
NAICS Desc 3:	Not reported
# Of Places:	1
Source Of Facility:	Reg Meas
Design Flow:	Not reported
Threat To Water Quality:	Not reported
Complexity:	Not reported
Pretreatment:	Not reported
Facility Waste Type:	Not reported
Facility Waste Type 2:	Not reported
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	WIP
Program Category1:	MONITORING
Program Category2:	MONITORING
# Of Programs:	1
WDID:	4WIP1090148
Reg Measure Id:	156379
Reg Measure Type:	Unregulated
Region:	4
Order #:	Not reported
Npdes# CA#:	Not reported
Major-Minor:	Not reported
Npdes Type:	Not reported
Reclamation:	Not reported
Dredge Fill Fee:	Not reported
301H:	Not reported
Application Fee Amt Received:	Not reported
Status:	Historical
Status Date:	06/17/2005
Effective Date:	Not reported
Expiration/Review Date:	Not reported
Termination Date:	Not reported
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	N
Individual/General:	Not reported
Fee Code:	Not reported
Direction/Voice:	Passive
Enforcement Id(EID):	221034
Region:	4
Order / Resolution Number:	13267 Letter
Enforcement Action Type:	13267 Letter
Effective Date:	11/09/2000
Adoption/Issuance Date:	Not reported
Achieve Date:	Not reported
Termination Date:	11/09/2000
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Historical

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**AUTOMATION PLATING CORP. (Continued)**

**1000334511**

Title: Enforcement - 4WIP1090148  
Description: Not reported  
Program: WIP  
Latest Milestone Completion Date: Not reported  
# Of Programs1: 1  
Total Assessment Amount: 0  
Initial Assessed Amount: 0  
Liability \$ Amount: 0  
Project \$ Amount: 0  
Liability \$ Paid: 0  
Project \$ Completed: 0  
Total \$ Paid/Completed Amount: 0

**ENVIROSTOR:**

Facility ID: 71002201  
Status: Refer: Other Agency  
Status Date: Not reported  
Site Code: Not reported  
Site Type: Tiered Permit  
Site Type Detailed: Tiered Permit  
Acres: Not reported  
NPL: NO  
Regulatory Agencies: NONE SPECIFIED  
Lead Agency: NONE SPECIFIED  
Program Manager: Not reported  
Supervisor: Not reported  
Division Branch: Cleanup Chatsworth  
Assembly: 43  
Senate: 25  
Special Program: Not reported  
Restricted Use: NO  
Site Mgmt Req: NONE SPECIFIED  
Funding: Not reported  
Latitude: 34.20565  
Longitude: -118.2257  
APN: NONE SPECIFIED  
Past Use: NONE SPECIFIED  
Potential COC: NONE SPECIFIED  
Confirmed COC: NONE SPECIFIED  
Potential Description: NONE SPECIFIED  
Alias Name: CAD008342784  
Alias Type: EPA Identification Number  
Alias Name: 110000476654  
Alias Type: EPA (FRS #)  
Alias Name: 71002201  
Alias Type: Envirostor ID Number

**Completed Info:**

Completed Area Name: Not reported  
Completed Sub Area Name: Not reported  
Completed Document Type: Not reported  
Completed Date: Not reported  
Comments: Not reported  
  
Future Area Name: Not reported  
Future Sub Area Name: Not reported  
Future Document Type: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**AUTOMATION PLATING CORP. (Continued)**

**1000334511**

Future Due Date: Not reported  
Schedule Area Name: Not reported  
Schedule Sub Area Name: Not reported  
Schedule Document Type: Not reported  
Schedule Due Date: Not reported  
Schedule Revised Date: Not reported

**CA WDS:**

Facility ID: 4 19I000147  
Facility Type: Other - Does not fall into the category of Municipal/Domestic, Industrial, Agricultural or Solid Waste (Class I, II or III)  
Facility Status: Active - Any facility with a continuous or seasonal discharge that is under Waste Discharge Requirements.  
NPDES Number: CAS000001 The 1st 2 characters designate the state. The remaining 7 are assigned by the Regional Board  
Subregion: 4  
Facility Telephone: 3232454951  
Facility Contact: Steve Manser/William D Wiggins  
Agency Name: AUTOMATION PLATING CORP.  
Agency Address: Not reported  
Agency City,St,Zip: 0  
Agency Contact: Not reported  
Agency Telephone: Not reported  
Agency Type: Private  
SIC Code: 3471  
SIC Code 2: Not reported  
Primary Waste Type: Nonhazardous Solid Wastes/Influent or Solid Wastes that contain nonhazardous putrescible and non putrescible solid, semisolid, and liquid wastes (E.G., garbage, trash, refuse, paper, demolition and construction wastes, manure, vegetable or animal solid and semisolid waste).  
Primary Waste: STORMS  
Waste Type2: Not reported  
Waste2: Stormwater Runoff  
Primary Waste Type: Nonhazardous Solid Wastes/Influent or Solid Wastes that contain nonhazardous putrescible and non putrescible solid, semisolid, and liquid wastes (E.G., garbage, trash, refuse, paper, demolition and construction wastes, manure, vegetable or animal solid and semisolid waste).  
Secondary Waste: Not reported  
Secondary Waste Type: Not reported  
Design Flow: 0  
Baseline Flow: 0  
Reclamation: No reclamation requirements associated with this facility.  
POTW: The facility is not a POTW.  
Treat To Water: Minor Threat to Water Quality. A violation of a regional board order should cause a relatively minor impairment of beneficial uses compared to a major or minor threat. Not: All nurds without a TTWQ will be considered a minor threat to water quality unless coded at a higher Level. A Zero (0) may be used to code those NURDS that are found to represent no threat to water quality.  
Complexity: Category C - Facilities having no waste treatment systems, such as cooling water dischargers or those who must comply through best management practices, facilities with passive waste treatment and disposal systems, such as septic systems with subsurface disposal, or dischargers having waste storage systems with land disposal such as dairy waste ponds.

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**AUTOMATION PLATING CORP. (Continued)**

**1000334511**

Facility ID: 4 19I012038  
Facility Type: Other - Does not fall into the category of Municipal/Domestic, Industrial, Agricultural or Solid Waste (Class I, II or III)  
Facility Status: Active - Any facility with a continuous or seasonal discharge that is under Waste Discharge Requirements.  
NPDES Number: CAS000001 The 1st 2 characters designate the state. The remaining 7 are assigned by the Regional Board  
Subregion: 4  
Facility Telephone: 3232454951  
Facility Contact: Steve Manser/William D Wiggins  
Agency Name: AUTOMATION PLATING CORP.  
Agency Address: Not reported  
Agency City,St,Zip: 0  
Agency Contact: Not reported  
Agency Telephone: Not reported  
Agency Type: Private  
SIC Code: 3471  
SIC Code 2: Not reported  
Primary Waste Type: Nonhazardous Solid Wastes/Influent or Solid Wastes that contain nonhazardous putrescible and non putrescible solid, semisolid, and liquid wastes (E.G., garbage, trash, refuse, paper, demolition and construction wastes, manure, vegetable or animal solid and semisolid waste).  
Primary Waste: STORMS  
Waste Type2: Not reported  
Waste2: Stormwater Runoff  
Primary Waste Type: Nonhazardous Solid Wastes/Influent or Solid Wastes that contain nonhazardous putrescible and non putrescible solid, semisolid, and liquid wastes (E.G., garbage, trash, refuse, paper, demolition and construction wastes, manure, vegetable or animal solid and semisolid waste).  
Secondary Waste: Not reported  
Secondary Waste Type: Not reported  
Design Flow: 0  
Baseline Flow: 0  
Reclamation: No reclamation requirements associated with this facility.  
POTW: The facility is not a POTW.  
Treat To Water: Minor Threat to Water Quality. A violation of a regional board order should cause a relatively minor impairment of beneficial uses compared to a major or minor threat. Not: All nurds without a TTWQ will be considered a minor threat to water quality unless coded at a higher Level. A Zero (0) may be used to code those NURDS that are found to represent no threat to water quality.  
Complexity: Category C - Facilities having no waste treatment systems, such as cooling water dischargers or those who must comply through best management practices, facilities with passive waste treatment and disposal systems, such as septic systems with subsurface disposal, or dischargers having waste storage systems with land disposal such as dairy waste ponds.

Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

99  
 SW  
 1/2-1  
 0.584 mi.  
 3082 ft.

**GCG CORP**  
**608 RUBERTA AV**  
**GLENDALE, CA 91201**

**NPDES S106484742**  
**SLIC N/A**  
**ENF**  
**EMI**  
**ENVIROSTOR**

**Relative:**  
**Lower**

**NPDES:**

Npdes Number: CAS000001  
 Facility Status: Active  
 Agency Id: 0  
 Region: 4  
 Regulatory Measure Id: 189381  
 Order No: 97-03-DWQ  
 Regulatory Measure Type: Enrollee  
 Place Id: Not reported  
 WDID: 4 19I004514  
 Program Type: Industrial  
 Adoption Date Of Regulatory Measure: Not reported  
 Effective Date Of Regulatory Measure: 04/06/1992  
 Expiration Date Of Regulatory Measure: Not reported  
 Termination Date Of Regulatory Measure: Not reported  
 Discharge Name: GCG Corporation  
 Discharge Address: 608 Ruberta Ave.  
 Discharge City: Glendale  
 Discharge State: California  
 Discharge Zip: 91210

**Actual:**  
**481 ft.**

**SLIC:**

Region: STATE  
**Facility Status: Completed - Case Closed**  
 Status Date: 09/16/2005  
 Global Id: SL603798944  
 Lead Agency: LOS ANGELES RWQCB (REGION 4)  
 Lead Agency Case Number: Not reported  
 Latitude: 34.162646  
 Longitude: -118.292573  
 Case Type: Cleanup Program Site  
 Case Worker: Not reported  
 Local Agency: Not reported  
 RB Case Number: 109.0671  
 File Location: Not reported  
 Potential Media Affected: Aquifer used for drinking water supply  
 Potential Contaminants of Concern: Not reported  
 Site History: Not reported

Click here to access the California GeoTracker records for this facility:

**ENF:**

Region: 4  
 Facility Id: 226862  
 Agency Name: GCG Corporation  
 Place Type: Manufacturing  
 Place Subtype: Manufacturing NEC  
 Facility Type: All other facilities  
 Agency Type: Privately-Owned Business  
 # Of Agencies: 1  
 Place Latitude: 34.1629  
 Place Longitude: -118.293221

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

GCG CORP (Continued)

S106484742

SIC Code 1:	3471
SIC Desc 1:	Electroplating, Plating, Polishing, Anodizing, and Coloring
SIC Code 2:	Not reported
SIC Desc 2:	Not reported
SIC Code 3:	Not reported
SIC Desc 3:	Not reported
NAICS Code 1:	Not reported
NAICS Desc 1:	Not reported
NAICS Code 2:	Not reported
NAICS Desc 2:	Not reported
NAICS Code 3:	Not reported
NAICS Desc 3:	Not reported
# Of Places:	1
Source Of Facility:	Reg Meas
Design Flow:	Not reported
Threat To Water Quality:	Not reported
Complexity:	Not reported
Pretreatment:	Not reported
Facility Waste Type:	Not reported
Facility Waste Type 2:	Not reported
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	WIP
Program Category1:	MONITORING
Program Category2:	MONITORING
# Of Programs:	1
WDID:	4WIP1090671
Reg Measure Id:	158512
Reg Measure Type:	Unregulated
Region:	4
Order #:	Not reported
Npdes# CA#:	Not reported
Major-Minor:	Not reported
Npdes Type:	Not reported
Reclamation:	Not reported
Dredge Fill Fee:	Not reported
301H:	Not reported
Application Fee Amt Received:	Not reported
Status:	Never Active
Status Date:	02/20/2013
Effective Date:	Not reported
Expiration/Review Date:	Not reported
Termination Date:	Not reported
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	N
Individual/General:	I
Fee Code:	Not reported
Direction/Voice:	Passive
Enforcement Id(EID):	220937
Region:	4
Order / Resolution Number:	13267 Letter
Enforcement Action Type:	13267 Letter

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**GCG CORP (Continued)**

**S106484742**

Effective Date: 11/09/2000  
Adoption/Issuance Date: Not reported  
Achieve Date: Not reported  
Termination Date: 11/09/2000  
ACL Issuance Date: Not reported  
EPL Issuance Date: Not reported  
Status: Historical  
Title: Enforcement - 4WIP1090671  
Description: Not reported  
Program: WIP  
Latest Milestone Completion Date: Not reported  
# Of Programs1: 1  
Total Assessment Amount: 0  
Initial Assessed Amount: 0  
Liability \$ Amount: 0  
Project \$ Amount: 0  
Liability \$ Paid: 0  
Project \$ Completed: 0  
Total \$ Paid/Completed Amount: 0

**EMI:**

Year: 1990  
County Code: 19  
Air Basin: SC  
Facility ID: 13488  
Air District Name: SC  
SIC Code: 3471  
Air District Name: SOUTH COAST AQMD  
Community Health Air Pollution Info System: Not reported  
Consolidated Emission Reporting Rule: Not reported  
Total Organic Hydrocarbon Gases Tons/Yr: 2  
Reactive Organic Gases Tons/Yr: 0  
Carbon Monoxide Emissions Tons/Yr: 0  
NOX - Oxides of Nitrogen Tons/Yr: 0  
SOX - Oxides of Sulphur Tons/Yr: 0  
Particulate Matter Tons/Yr: 0  
Part. Matter 10 Micrometers & Smlr Tons/Yr: 0

Year: 1993  
County Code: 19  
Air Basin: SC  
Facility ID: 13488  
Air District Name: SC  
SIC Code: 3471  
Air District Name: SOUTH COAST AQMD  
Community Health Air Pollution Info System: Not reported  
Consolidated Emission Reporting Rule: Not reported  
Total Organic Hydrocarbon Gases Tons/Yr: 0  
Reactive Organic Gases Tons/Yr: 0  
Carbon Monoxide Emissions Tons/Yr: 0  
NOX - Oxides of Nitrogen Tons/Yr: 0  
SOX - Oxides of Sulphur Tons/Yr: 0  
Particulate Matter Tons/Yr: 0  
Part. Matter 10 Micrometers & Smlr Tons/Yr: 0

Year: 1995  
County Code: 19



Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**GCG CORP (Continued)**

**S106484742**

Air Basin: SC  
Facility ID: 13488  
Air District Name: SC  
SIC Code: 3471  
Air District Name: SOUTH COAST AQMD  
Community Health Air Pollution Info System: Not reported  
Consolidated Emission Reporting Rule: Not reported  
Total Organic Hydrocarbon Gases Tons/Yr: 0  
Reactive Organic Gases Tons/Yr: 0  
Carbon Monoxide Emissions Tons/Yr: 0  
NOX - Oxides of Nitrogen Tons/Yr: 0  
SOX - Oxides of Sulphur Tons/Yr: 0  
Particulate Matter Tons/Yr: 0  
Part. Matter 10 Micrometers & Smlr Tons/Yr: 0

**ENVIROSTOR:**

Facility ID: 71002489  
Status: Refer: Other Agency  
Status Date: Not reported  
Site Code: Not reported  
Site Type: Tiered Permit  
Site Type Detailed: Tiered Permit  
Acres: Not reported  
NPL: NO  
Regulatory Agencies: NONE SPECIFIED  
Lead Agency: NONE SPECIFIED  
Program Manager: Not reported  
Supervisor: Not reported  
Division Branch: Cleanup Chatsworth  
Assembly: 43  
Senate: 25  
Special Program: Not reported  
Restricted Use: NO  
Site Mgmt Req: NONE SPECIFIED  
Funding: Not reported  
Latitude: 34.16250  
Longitude: -118.2931  
APN: NONE SPECIFIED  
Past Use: NONE SPECIFIED  
Potential COC: NONE SPECIFIED  
Confirmed COC: NONE SPECIFIED  
Potential Description: NONE SPECIFIED  
Alias Name: CAD059240663  
Alias Type: EPA Identification Number  
Alias Name: 110000782715  
Alias Type: EPA (FRS #)  
Alias Name: 71002489  
Alias Type: Envirostor ID Number

**Completed Info:**

Completed Area Name: Not reported  
Completed Sub Area Name: Not reported  
Completed Document Type: Not reported  
Completed Date: Not reported  
Comments: Not reported

Future Area Name: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**GCG CORP (Continued)**

**S106484742**

Future Sub Area Name: Not reported  
Future Document Type: Not reported  
Future Due Date: Not reported  
Schedule Area Name: Not reported  
Schedule Sub Area Name: Not reported  
Schedule Document Type: Not reported  
Schedule Due Date: Not reported  
Schedule Revised Date: Not reported

**100  
West  
1/2-1  
0.590 mi.  
3114 ft.**

**AUTOMATION PLATING CORP  
902 THOMPSON AVE  
GLENDALE, CA**

**FINDS  
NPDES  
ENF  
ENVIROSTOR**

**1007120992  
N/A**

**Relative:  
Lower**

FINDS:

Registry ID: 110015684954

**Actual:  
505 ft.**

Environmental Interest/Information System

California Hazardous Waste Tracking System - Datamart (HWTS-DATAMART) provides California with information on hazardous waste shipments for generators, transporters, and treatment, storage, and disposal facilities.

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

HAZARDOUS WASTE BIENNIAL REPORTER

NPDES:

Npdes Number: CAS000001  
Facility Status: Active  
Agency Id: 0  
Region: 4  
Regulatory Measure Id: 188558  
Order No: 97-03-DWQ  
Regulatory Measure Type: Enrollee  
Place Id: Not reported  
WDID: 4 19I000147  
Program Type: Industrial  
Adoption Date Of Regulatory Measure: Not reported  
Effective Date Of Regulatory Measure: 02/24/1992  
Expiration Date Of Regulatory Measure: Not reported  
Termination Date Of Regulatory Measure: Not reported  
Discharge Name: Automation Plating Corp  
Discharge Address: PO Box 5004  
Discharge City: Glendale  
Discharge State: California  
Discharge Zip: 91221

Npdes Number: CAS000001

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**AUTOMATION PLATING CORP (Continued)**

1007120992

Facility Status: Active  
Agency Id: 0  
Region: 4  
Regulatory Measure Id: 190253  
Order No: 97-03-DWQ  
Regulatory Measure Type: Enrollee  
Place Id: Not reported  
WDID: 4 19I012038  
Program Type: Industrial  
Adoption Date Of Regulatory Measure: Not reported  
Effective Date Of Regulatory Measure: 12/14/1995  
Expiration Date Of Regulatory Measure: Not reported  
Termination Date Of Regulatory Measure: Not reported  
Discharge Name: Automation Plating Corp  
Discharge Address: PO Box 5004  
Discharge City: Glendale  
Discharge State: California  
Discharge Zip: 91221

ENF:

Region: 4  
Facility Id: 208246  
Agency Name: Automation Plating Corp.  
Place Type: Facility  
Place Subtype: Not reported  
Facility Type: All other facilities  
Agency Type: Privately-Owned Business  
# Of Agencies: 1  
Place Latitude: 34.168942  
Place Longitude: -118.295397  
SIC Code 1: Not reported  
SIC Desc 1: Not reported  
SIC Code 2: Not reported  
SIC Desc 2: Not reported  
SIC Code 3: Not reported  
SIC Desc 3: Not reported  
NAICS Code 1: Not reported  
NAICS Desc 1: Not reported  
NAICS Code 2: Not reported  
NAICS Desc 2: Not reported  
NAICS Code 3: Not reported  
NAICS Desc 3: Not reported  
# Of Places: 1  
Source Of Facility: Reg Meas  
Design Flow: Not reported  
Threat To Water Quality: Not reported  
Complexity: Not reported  
Pretreatment: Not reported  
Facility Waste Type: Not reported  
Facility Waste Type 2: Not reported  
Facility Waste Type 3: Not reported  
Facility Waste Type 4: Not reported  
Program: WIP  
Program Category1: MONITORING  
Program Category2: MONITORING  
# Of Programs: 1  
WDID: 4WIP1090911

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**AUTOMATION PLATING CORP (Continued)**

**1007120992**

Reg Measure Id: 158159  
Reg Measure Type: Unregulated  
Region: 4  
Order #: Not reported  
Npdes# CA#: Not reported  
Major-Minor: Not reported  
Npdes Type: Not reported  
Reclamation: Not reported  
Dredge Fill Fee: Not reported  
301H: Not reported  
Application Fee Amt Received: Not reported  
Status: Historical  
Status Date: 06/17/2005  
Effective Date: Not reported  
Expiration/Review Date: Not reported  
Termination Date: Not reported  
WDR Review - Amend: Not reported  
WDR Review - Revise/Renew: Not reported  
WDR Review - Rescind: Not reported  
WDR Review - No Action Required: Not reported  
WDR Review - Pending: Not reported  
WDR Review - Planned: Not reported  
Status Enrollee: N  
Individual/General: Not reported  
Fee Code: Not reported  
Direction/Voice: Passive  
Enforcement Id(EID): 226378  
Region: 4  
Order / Resolution Number: 13267 Letter  
Enforcement Action Type: 13267 Letter  
Effective Date: 11/09/2000  
Adoption/Issuance Date: Not reported  
Achieve Date: Not reported  
Termination Date: 11/09/2000  
ACL Issuance Date: Not reported  
EPL Issuance Date: Not reported  
Status: Historical  
Title: Enforcement - 4WIP1090911  
Description: Not reported  
Program: WIP  
Latest Milestone Completion Date: Not reported  
# Of Programs1: 1  
Total Assessment Amount: 0  
Initial Assessed Amount: 0  
Liability \$ Amount: 0  
Project \$ Amount: 0  
Liability \$ Paid: 0  
Project \$ Completed: 0  
Total \$ Paid/Completed Amount: 0

**ENVIROSTOR:**

Facility ID: 71003426  
Status: Refer: Other Agency  
Status Date: Not reported  
Site Code: Not reported  
Site Type: Tiered Permit  
Site Type Detailed: Tiered Permit

Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**AUTOMATION PLATING CORP (Continued)**

**1007120992**

Acres: Not reported  
 NPL: NO  
 Regulatory Agencies: NONE SPECIFIED  
 Lead Agency: NONE SPECIFIED  
 Program Manager: Not reported  
 Supervisor: Not reported  
 Division Branch: Cleanup Chatsworth  
 Assembly: 43  
 Senate: 25  
 Special Program: Not reported  
 Restricted Use: NO  
 Site Mgmt Req: NONE SPECIFIED  
 Funding: Not reported  
 Latitude: 34.16885  
 Longitude: -118.2950  
 APN: NONE SPECIFIED  
 Past Use: NONE SPECIFIED  
 Potential COC: NONE SPECIFIED  
 Confirmed COC: NONE SPECIFIED  
 Potential Description: NONE SPECIFIED  
 Alias Name: CAR000002089  
 Alias Type: EPA Identification Number  
 Alias Name: 110015684954  
 Alias Type: EPA (FRS #)  
 Alias Name: SL603798934  
 Alias Type: GeoTracker Global ID  
 Alias Name: 71003426  
 Alias Type: Envirostor ID Number

**Completed Info:**

Completed Area Name: Not reported  
 Completed Sub Area Name: Not reported  
 Completed Document Type: Not reported  
 Completed Date: Not reported  
 Comments: Not reported  
  
 Future Area Name: Not reported  
 Future Sub Area Name: Not reported  
 Future Document Type: Not reported  
 Future Due Date: Not reported  
 Schedule Area Name: Not reported  
 Schedule Sub Area Name: Not reported  
 Schedule Document Type: Not reported  
 Schedule Due Date: Not reported  
 Schedule Revised Date: Not reported

**101  
 SSE  
 1/2-1  
 0.791 mi.  
 4176 ft.**

**CITY OF GLENDALE GRAYSON POWER PLANT  
 800 AIR WAY  
 GLENDALE, CA 91201**

**NPDES U001566858  
 HIST UST N/A  
 CHMIRS  
 ENVIROSTOR**

**Relative:  
 Lower**

NPDES:  
 Npdes Number: CAS000001  
 Facility Status: Active  
 Agency Id: 0  
 Region: 4  
 Regulatory Measure Id: 188828

**Actual:  
 467 ft.**

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**CITY OF GLENDALE GRAYSON POWER PLANT (Continued)**

**U001566858**

Order No: 97-03-DWQ  
Regulatory Measure Type: Enrollee  
Place Id: Not reported  
WDID: 4 19I001606  
Program Type: Industrial  
Adoption Date Of Regulatory Measure: Not reported  
Effective Date Of Regulatory Measure: 03/27/1992  
Expiration Date Of Regulatory Measure: Not reported  
Termination Date Of Regulatory Measure: Not reported  
Discharge Name: City of Glendale Grayson Power Plant  
Discharge Address: 800 Air Way  
Discharge City: Glendale  
Discharge State: California  
Discharge Zip: 91201

**HIST UST:**

Region: STATE  
Facility ID: 00000020659  
Facility Type: Other  
Other Type: CORPORATE YARD  
Total Tanks: 0004  
Contact Name: SHOP SUPERINTENDENT  
Telephone: 8189562001  
Owner Name: CITY OF GLENDALE  
Owner Address: 613 EAST BROADWAY  
Owner City,St,Zip: GLENDALE, CA 91205

Tank Num: 001  
Container Num: 1  
Year Installed: 1959  
Tank Capacity: 00010000  
Tank Used for: PRODUCT  
Type of Fuel: UNLEADED  
Tank Construction: 1/4 inches  
Leak Detection: Visual, Stock Inventor

Tank Num: 002  
Container Num: 2  
Year Installed: 1959  
Tank Capacity: 00010000  
Tank Used for: PRODUCT  
Type of Fuel: REGULAR  
Tank Construction: 1/4 inches  
Leak Detection: Visual, Stock Inventor

Tank Num: 003  
Container Num: 3  
Year Installed: 1959  
Tank Capacity: 00010000  
Tank Used for: PRODUCT  
Type of Fuel: REGULAR  
Tank Construction: 1/4 inches  
Leak Detection: Visual, Stock Inventor

Tank Num: 004  
Container Num: 4  
Year Installed: 1959

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

CITY OF GLENDALE GRAYSON POWER PLANT (Continued)

U001566858

Tank Capacity: 00001000  
Tank Used for: WASTE  
Type of Fuel: WASTE OIL  
Tank Construction: 3/16 inches  
Leak Detection: Visual

CHMIRS:

OES Incident Number: 98-4155  
OES notification: 09/10/1998  
OES Date: Not reported  
OES Time: Not reported  
Incident Date: Not reported  
**Date Completed: Not reported**  
Property Use: Not reported  
Agency Id Number: Not reported  
Agency Incident Number: Not reported  
Time Notified: Not reported  
Time Completed: Not reported  
Surrounding Area: Not reported  
Estimated Temperature: Not reported  
Property Management: Not reported  
Special Studies 1: Not reported  
Special Studies 2: Not reported  
Special Studies 3: Not reported  
Special Studies 4: Not reported  
Special Studies 5: Not reported  
Special Studies 6: Not reported  
More Than Two Substances Involved?: Not reported  
Resp Agncy Personel # Of Decontaminated: Not reported  
Responding Agency Personel # Of Injuries: Not reported  
Responding Agency Personel # Of Fatalities: Not reported  
Others Number Of Decontaminated: Not reported  
Others Number Of Injuries: Not reported  
Others Number Of Fatalities: Not reported  
Vehicle Make/year: Not reported  
Vehicle License Number: Not reported  
Vehicle State: Not reported  
Vehicle Id Number: Not reported  
CA/DOT/PUC/ICC Number: Not reported  
Company Name: Not reported  
Reporting Officer Name/ID: Not reported  
Report Date: Not reported  
Comments: Not reported  
Facility Telephone: Not reported  
Waterway Involved: Yes  
Waterway: Los Angeles River  
Spill Site: Not reported  
Cleanup By: Contractor  
Containment: Not reported  
What Happened: Not reported  
Type: Not reported  
Measure: Not reported  
Other: Not reported  
Date/Time: Not reported  
Year: 1998  
Agency: Glendale Fire Hazmat 27  
Incident Date: 9/10/199812:00:00 AM

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**CITY OF GLENDALE GRAYSON POWER PLANT (Continued)**

**U001566858**

Admin Agency: Glendale Fire Department  
Amount: Not reported  
Contained: Yes  
Site Type: Utilities/Substation  
E Date: Not reported  
Substance: Fuel oil #6  
Quantity Released: Not reported  
BBLs: 0  
Cups: 0  
CUFT: 0  
Gallons: 10  
Grams: 0  
Pounds: 0  
Liters: 0  
Ounces: 0  
Pints: 0  
Quarts: 0  
Sheen: 0  
Tons: 0  
Unknown: 0  
Evacuations: 0  
Number of Injuries: 0  
Number of Fatalities: 0  
Description: Overfill of a transfer between two tanks. Substance did make it to the storm drains and into the LA River.

**ENVIROSTOR:**

Facility ID: 19490185  
Status: Refer: Other Agency  
Status Date: 05/01/1984  
Site Code: Not reported  
Site Type: Historical  
Site Type Detailed: \* Historical  
Acres: Not reported  
NPL: NO  
Regulatory Agencies: NONE SPECIFIED  
Lead Agency: NONE SPECIFIED  
Program Manager: Not reported  
Supervisor: Referred - Not Assigned  
Division Branch: Cleanup Chatsworth  
Assembly: 43  
Senate: 25  
Special Program: \* RCRA 3012 - Past Haz Waste Disp Inven Site  
Restricted Use: NO  
Site Mgmt Req: NONE SPECIFIED  
Funding: Not reported  
Latitude: 34.15888  
Longitude: -118.2808  
APN: NONE SPECIFIED  
Past Use: NONE SPECIFIED  
Potential COC: Polychlorinated biphenyls (PCBs)  
Confirmed COC: NONE SPECIFIED  
Potential Description: NONE SPECIFIED  
Alias Name: CAD980735864  
Alias Type: EPA Identification Number  
Alias Name: 110013829330  
Alias Type: EPA (FRS #)



Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**CITY OF GLENDALE GRAYSON POWER PLANT (Continued)**

**U001566858**

Alias Name: 19490185  
 Alias Type: Envirostor ID Number

**Completed Info:**

Completed Area Name: PROJECT WIDE  
 Completed Sub Area Name: Not reported  
 Completed Document Type: Preliminary Assessment Report  
 Completed Date: 05/01/1984  
 Comments: PERMIT(OTHER) DHS. EXTREMELY HAZ WASTE PERMIT ON 8/16/  
 83,6/14/82,2/16/82,8/19/81,9/18/80,11/8/ 79. SOURCE ACT: W.FELL  
 LETTER 6/29/80 - INDIVIDUAL PCB LG HIGH VOLTAGE CAPACITRS TEMPORARY  
 STORAGE OF PCB CAPACITORS(TO83 CURRENTLY ELECTRICAL GENERATING PLANT  
 FAC TYPE: T/C W/ MR.MACKLEHENNIE,GLENDAL PUBLIC SERV. 818-956-3910 -  
 CAPACITOR BANKS. PCB STORAGE IN DEPT OF TRANS, STORAGE IN COMPLIANCE  
 W/ TSCA. FINAL STRATEGY RECOM - CONTINUE TO BE MONITORED. SUBMIT  
 TO EPA PRELIM ASSESS DONE RCRA 3012

Completed Area Name: PROJECT WIDE  
 Completed Sub Area Name: Not reported  
 Completed Document Type: \* Discovery  
 Completed Date: 09/26/1983  
 Comments: FACILITY IDENTIFIED ID FROM ERRIS

Future Area Name: Not reported  
 Future Sub Area Name: Not reported  
 Future Document Type: Not reported  
 Future Due Date: Not reported  
 Schedule Area Name: Not reported  
 Schedule Sub Area Name: Not reported  
 Schedule Document Type: Not reported  
 Schedule Due Date: Not reported  
 Schedule Revised Date: Not reported

102  
 WNW  
 1/2-1  
 0.872 mi.  
 4604 ft.

**HASKEL INC**  
**100 E GRAHAM PL**  
**BURBANK, CA**

**FINDS 1000268569**  
**LOS ANGELES CO. HMS N/A**  
**ENF**  
**ENVIROSTOR**

**Relative:**  
**Higher**

**FINDS:**

Registry ID: 110002634347

**Actual:**  
**530 ft.**

Environmental Interest/Information System  
 California Hazardous Waste Tracking System - Datamart (HWTS-DATAMART)  
 provides California with information on hazardous waste shipments for  
 generators, transporters, and treatment, storage, and disposal  
 facilities.

RCRAInfo is a national information system that supports the Resource  
 Conservation and Recovery Act (RCRA) program through the tracking of  
 events and activities related to facilities that generate, transport,  
 and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA  
 program staff to track the notification, permit, compliance, and  
 corrective action activities required under RCRA.

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**HASKEL INC (Continued)**

**1000268569**

LOS ANGELES CO. HMS:

Region: LA  
Facility Id: 025658-035137  
Facility Type: Not reported  
Facility Status: OPEN  
Area: 3E  
Permit Number: Not reported  
Permit Status: Not reported

ENF:

Region: 4  
Facility Id: 231331  
Agency Name: Haskel Int, Inc.  
Place Type: Manufacturing  
Place Subtype: Manufacturing NEC  
Facility Type: All other facilities  
Agency Type: Privately-Owned Business  
# Of Agencies: 1  
Place Latitude: 34.17228  
Place Longitude: -118.299594  
SIC Code 1: 3492  
SIC Desc 1: Fluid Power Valves and Hose Fittings  
SIC Code 2: Not reported  
SIC Desc 2: Not reported  
SIC Code 3: Not reported  
SIC Desc 3: Not reported  
NAICS Code 1: Not reported  
NAICS Desc 1: Not reported  
NAICS Code 2: Not reported  
NAICS Desc 2: Not reported  
NAICS Code 3: Not reported  
NAICS Desc 3: Not reported  
# Of Places: 1  
Source Of Facility: Reg Meas  
Design Flow: Not reported  
Threat To Water Quality: Not reported  
Complexity: Not reported  
Pretreatment: Not reported  
Facility Waste Type: Not reported  
Facility Waste Type 2: Not reported  
Facility Waste Type 3: Not reported  
Facility Waste Type 4: Not reported  
Program: WIP  
Program Category1: MONITORING  
Program Category2: MONITORING  
# Of Programs: 1  
WDID: 4WIP1090528  
Reg Measure Id: 158944  
Reg Measure Type: Unregulated  
Region: 4  
Order #: Not reported  
Npdes# CA#: Not reported  
Major-Minor: Not reported  
Npdes Type: Not reported  
Reclamation: Not reported  
Dredge Fill Fee: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**HASKEL INC (Continued)**

**1000268569**

301H: Not reported  
Application Fee Amt Received: Not reported  
Status: Never Active  
Status Date: 02/20/2013  
Effective Date: Not reported  
Expiration/Review Date: Not reported  
Termination Date: Not reported  
WDR Review - Amend: Not reported  
WDR Review - Revise/Renew: Not reported  
WDR Review - Rescind: Not reported  
WDR Review - No Action Required: Not reported  
WDR Review - Pending: Not reported  
WDR Review - Planned: Not reported  
Status Enrollee: N  
Individual/General: I  
Fee Code: Not reported  
Direction/Voice: Passive  
Enforcement Id(EID): 220805  
Region: 4  
Order / Resolution Number: 13267 Letter  
Enforcement Action Type: 13267 Letter  
Effective Date: 11/09/2000  
Adoption/Issuance Date: Not reported  
Achieve Date: Not reported  
Termination Date: 11/09/2000  
ACL Issuance Date: Not reported  
EPL Issuance Date: Not reported  
Status: Historical  
Title: Enforcement - 4WIP1090528  
Description: Not reported  
Program: WIP  
Latest Milestone Completion Date: Not reported  
# Of Programs1: 1  
Total Assessment Amount: 0  
Initial Assessed Amount: 0  
Liability \$ Amount: 0  
Project \$ Amount: 0  
Liability \$ Paid: 0  
Project \$ Completed: 0  
Total \$ Paid/Completed Amount: 0

**ENVIROSTOR:**

Facility ID: 19500174  
Status: Refer: RWQCB  
Status Date: 12/12/1996  
Site Code: 300175  
Site Type: Historical  
Site Type Detailed: \* Historical  
Acres: Not reported  
NPL: NO  
Regulatory Agencies: RWQCB 4 - Los Angeles  
Lead Agency: RWQCB 4 - Los Angeles  
Program Manager: Not reported  
Supervisor: \* Greg Holmes  
Division Branch: Cleanup Cypress  
Assembly: 43  
Senate: 25

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**HASKEL INC (Continued)**

**1000268569**

Special Program: \* CERC2  
Restricted Use: NO  
Site Mgmt Req: NONE SPECIFIED  
Funding: Not reported  
Latitude: 34.1725  
Longitude: -118.2991  
APN: NONE SPECIFIED  
Past Use: NONE SPECIFIED  
Potential COC: \* HALOGENATED SOLVENTS \* HYDROCARBON SOLVENTS \* Metals - Other  
Inorganic Solid Waste \* CONTAMINATED SOIL \* UNSPECIFIED ACID SOLUTION  
\* WASTE OIL & MIXED OIL  
Confirmed COC: NONE SPECIFIED  
Potential Description: NONE SPECIFIED  
Alias Name: AMERICAN HOSPITAL SUPPLY  
Alias Type: Alternate Name  
Alias Name: BURBANK CANNERY  
Alias Type: Alternate Name  
Alias Name: CAD008490377  
Alias Type: EPA Identification Number  
Alias Name: 110002634347  
Alias Type: EPA (FRS #)  
Alias Name: 300175  
Alias Type: Project Code (Site Code)  
Alias Name: 19280551  
Alias Type: Envirostor ID Number  
Alias Name: 19500174  
Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: \* Discovery  
Completed Date: 10/08/1982  
Comments: FACILITY IDENTIFIED LA CHAM COMM DIR 1963-64. MEDICAL EQUIP.

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Site Screening  
Completed Date: 05/10/1994  
Comments: RWQCB correspondence dated April 25, 1994 and the followup contact with RWQCB indicates that the Board is overseeing the cleanup activities at the site. Currently, monitoring wells installation is underway.

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Site Screening  
Completed Date: 06/25/1993  
Comments: SI completed by U.S. EPA. EPA recommends NFA under CERCLA. Site is part of San Fernando Groundwater NPL site.

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: \*Site Inspection (SI) Report  
Completed Date: 08/12/1989  
Comments: SITE INSP DONE HIGH PRIORITY LSI RECOMMENDED FOR EPA; HAZARD RANKING REQUIRED AND SUBSEQUENT ADDITION TO THE STATE CLEANUP LIST

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**HASKEL INC (Continued)**

**1000268569**

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Preliminary Assessment Report  
Completed Date: 06/30/1988  
Comments: PRELIM ASSESS DONE SI RECOMMENDED TO ID POTENTIAL PROBLEMS

Future Area Name: Not reported  
Future Sub Area Name: Not reported  
Future Document Type: Not reported  
Future Due Date: Not reported  
Schedule Area Name: Not reported  
Schedule Sub Area Name: Not reported  
Schedule Document Type: Not reported  
Schedule Due Date: Not reported  
Schedule Revised Date: Not reported

Count: 10 records.

ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
BURBANK	S112894789	IKEA PROPERTY SITE	805 SAN FERNANDO BOULEVARD	91502	SLIC, HAZNET
BURBANK	S101587290	TOWN CENTER	829 SAN FERNANDO BLVD	91501	CA FID UST, SWEEPS UST
BURBANK GLENDALE	1004677571	CALIFORNIA TRANSPORTATION	RTE 134 POST MILE 0 0 TO POST	91201	RCRA-SQG, HAZNET
GLENDALE	1014465380	FWY 5 HOV PROJECT FROM 5/134 SEPAR	RTE 5 NORTHBOUND	91201	RCRA-LQG
GLENDALE	S105023917	ALAMEDA MANAGEMENT CO #52	701 GRAND		HIST CORTESE
GLENDALE	S110496275	KELLOGG AVENUE DUMP	630 KELLOGG AVENUE		SWF/LF
GLENDALE	S100751986	BYSON	1/4 W OF SAN FERNANDO RD 300'S		WMUDS/SWAT
GLENDALE	S106767460	SERVICE STATION	150 SONORA AVE	91201	WIP
LOS ANGELES	S109422316	GRIFFITH PARK COMPOSTING FACILITY	5400 GRIFFITH PARK DRIVE	90027	SWF/LF, LDS
LOS ANGELES COUNTY	U003781750	C J HAMENING CO	650 SAN FERNANDO MISS		UST

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

To maintain currency of the following federal and state databases, EDR contacts the appropriate governmental agency on a monthly or quarterly basis, as required.

**Number of Days to Update:** Provides confirmation that EDR is reporting records that have been updated within 90 days from the date the government agency made the information available to the public.

## STANDARD ENVIRONMENTAL RECORDS

### ***Federal NPL site list***

#### **NPL: National Priority List**

National Priorities List (Superfund). The NPL is a subset of CERCLIS and identifies over 1,200 sites for priority cleanup under the Superfund Program. NPL sites may encompass relatively large areas. As such, EDR provides polygon coverage for over 1,000 NPL site boundaries produced by EPA's Environmental Photographic Interpretation Center (EPIC) and regional EPA offices.

Date of Government Version: 10/25/2013	Source: EPA
Date Data Arrived at EDR: 11/11/2013	Telephone: N/A
Date Made Active in Reports: 01/28/2014	Last EDR Contact: 04/08/2014
Number of Days to Update: 78	Next Scheduled EDR Contact: 07/21/2014
	Data Release Frequency: Quarterly

#### **NPL Site Boundaries**

##### **Sources:**

EPA's Environmental Photographic Interpretation Center (EPIC)  
Telephone: 202-564-7333

EPA Region 1  
Telephone 617-918-1143

EPA Region 6  
Telephone: 214-655-6659

EPA Region 3  
Telephone 215-814-5418

EPA Region 7  
Telephone: 913-551-7247

EPA Region 4  
Telephone 404-562-8033

EPA Region 8  
Telephone: 303-312-6774

EPA Region 5  
Telephone 312-886-6686

EPA Region 9  
Telephone: 415-947-4246

EPA Region 10  
Telephone 206-553-8665

#### **Proposed NPL: Proposed National Priority List Sites**

A site that has been proposed for listing on the National Priorities List through the issuance of a proposed rule in the Federal Register. EPA then accepts public comments on the site, responds to the comments, and places on the NPL those sites that continue to meet the requirements for listing.

Date of Government Version: 10/25/2013	Source: EPA
Date Data Arrived at EDR: 11/11/2013	Telephone: N/A
Date Made Active in Reports: 01/28/2014	Last EDR Contact: 04/08/2014
Number of Days to Update: 78	Next Scheduled EDR Contact: 07/21/2014
	Data Release Frequency: Quarterly

#### **NPL LIENS: Federal Superfund Liens**

Federal Superfund Liens. Under the authority granted the USEPA by CERCLA of 1980, the USEPA has the authority to file liens against real property in order to recover remedial action expenditures or when the property owner received notification of potential liability. USEPA compiles a listing of filed notices of Superfund Liens.

Date of Government Version: 10/15/1991	Source: EPA
Date Data Arrived at EDR: 02/02/1994	Telephone: 202-564-4267
Date Made Active in Reports: 03/30/1994	Last EDR Contact: 08/15/2011
Number of Days to Update: 56	Next Scheduled EDR Contact: 11/28/2011
	Data Release Frequency: No Update Planned

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## ***Federal Delisted NPL site list***

DELISTED NPL: National Priority List Deletions

The National Oil and Hazardous Substances Pollution Contingency Plan (NCP) establishes the criteria that the EPA uses to delete sites from the NPL. In accordance with 40 CFR 300.425.(e), sites may be deleted from the NPL where no further response is appropriate.

Date of Government Version: 10/25/2013	Source: EPA
Date Data Arrived at EDR: 11/11/2013	Telephone: N/A
Date Made Active in Reports: 01/28/2014	Last EDR Contact: 04/08/2014
Number of Days to Update: 78	Next Scheduled EDR Contact: 07/21/2014
	Data Release Frequency: Quarterly

## ***Federal CERCLIS list***

CERCLIS: Comprehensive Environmental Response, Compensation, and Liability Information System

CERCLIS contains data on potentially hazardous waste sites that have been reported to the USEPA by states, municipalities, private companies and private persons, pursuant to Section 103 of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). CERCLIS contains sites which are either proposed to or on the National Priorities List (NPL) and sites which are in the screening and assessment phase for possible inclusion on the NPL.

Date of Government Version: 10/25/2013	Source: EPA
Date Data Arrived at EDR: 11/11/2013	Telephone: 703-412-9810
Date Made Active in Reports: 02/13/2014	Last EDR Contact: 05/29/2014
Number of Days to Update: 94	Next Scheduled EDR Contact: 09/08/2014
	Data Release Frequency: Quarterly

FEDERAL FACILITY: Federal Facility Site Information listing

A listing of National Priority List (NPL) and Base Realignment and Closure (BRAC) sites found in the Comprehensive Environmental Response, Compensation and Liability Information System (CERCLIS) Database where EPA Federal Facilities Restoration and Reuse Office is involved in cleanup activities.

Date of Government Version: 05/31/2013	Source: Environmental Protection Agency
Date Data Arrived at EDR: 07/08/2013	Telephone: 703-603-8704
Date Made Active in Reports: 12/06/2013	Last EDR Contact: 04/11/2014
Number of Days to Update: 151	Next Scheduled EDR Contact: 07/21/2014
	Data Release Frequency: Varies

## ***Federal CERCLIS NFRAP site List***

CERCLIS-NFRAP: CERCLIS No Further Remedial Action Planned

Archived sites are sites that have been removed and archived from the inventory of CERCLIS sites. Archived status indicates that, to the best of EPA's knowledge, assessment at a site has been completed and that EPA has determined no further steps will be taken to list this site on the National Priorities List (NPL), unless information indicates this decision was not appropriate or other considerations require a recommendation for listing at a later time. This decision does not necessarily mean that there is no hazard associated with a given site; it only means that, based upon available information, the location is not judged to be a potential NPL site.

Date of Government Version: 10/25/2013	Source: EPA
Date Data Arrived at EDR: 11/11/2013	Telephone: 703-412-9810
Date Made Active in Reports: 02/13/2014	Last EDR Contact: 05/29/2014
Number of Days to Update: 94	Next Scheduled EDR Contact: 09/08/2014
	Data Release Frequency: Quarterly

## ***Federal RCRA CORRACTS facilities list***

CORRACTS: Corrective Action Report

CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.



# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 03/11/2014  
Date Data Arrived at EDR: 03/13/2014  
Date Made Active in Reports: 04/09/2014  
Number of Days to Update: 27

Source: EPA  
Telephone: 800-424-9346  
Last EDR Contact: 03/13/2014  
Next Scheduled EDR Contact: 07/14/2014  
Data Release Frequency: Quarterly

## ***Federal RCRA non-CORRACTS TSD facilities list***

### **RCRA-TSDF: RCRA - Treatment, Storage and Disposal**

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Transporters are individuals or entities that move hazardous waste from the generator offsite to a facility that can recycle, treat, store, or dispose of the waste. TSDFs treat, store, or dispose of the waste.

Date of Government Version: 03/11/2014  
Date Data Arrived at EDR: 03/13/2014  
Date Made Active in Reports: 04/09/2014  
Number of Days to Update: 27

Source: Environmental Protection Agency  
Telephone: (415) 495-8895  
Last EDR Contact: 03/13/2014  
Next Scheduled EDR Contact: 07/14/2014  
Data Release Frequency: Quarterly

## ***Federal RCRA generators list***

### **RCRA-LQG: RCRA - Large Quantity Generators**

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Large quantity generators (LQGs) generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month.

Date of Government Version: 03/11/2014  
Date Data Arrived at EDR: 03/13/2014  
Date Made Active in Reports: 04/09/2014  
Number of Days to Update: 27

Source: Environmental Protection Agency  
Telephone: (415) 495-8895  
Last EDR Contact: 03/13/2014  
Next Scheduled EDR Contact: 07/14/2014  
Data Release Frequency: Quarterly

### **RCRA-SQG: RCRA - Small Quantity Generators**

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month.

Date of Government Version: 03/11/2014  
Date Data Arrived at EDR: 03/13/2014  
Date Made Active in Reports: 04/09/2014  
Number of Days to Update: 27

Source: Environmental Protection Agency  
Telephone: (415) 495-8895  
Last EDR Contact: 03/13/2014  
Next Scheduled EDR Contact: 07/14/2014  
Data Release Frequency: Quarterly

### **RCRA-CESQG: RCRA - Conditionally Exempt Small Quantity Generators**

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Conditionally exempt small quantity generators (CESQGs) generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month.

Date of Government Version: 03/11/2014  
Date Data Arrived at EDR: 03/13/2014  
Date Made Active in Reports: 04/09/2014  
Number of Days to Update: 27

Source: Environmental Protection Agency  
Telephone: (415) 495-8895  
Last EDR Contact: 03/13/2014  
Next Scheduled EDR Contact: 07/14/2014  
Data Release Frequency: Varies

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## ***Federal institutional controls / engineering controls registries***

### **US ENG CONTROLS: Engineering Controls Sites List**

A listing of sites with engineering controls in place. Engineering controls include various forms of caps, building foundations, liners, and treatment methods to create pathway elimination for regulated substances to enter environmental media or effect human health.

Date of Government Version: 12/17/2013	Source: Environmental Protection Agency
Date Data Arrived at EDR: 01/14/2014	Telephone: 703-603-0695
Date Made Active in Reports: 01/28/2014	Last EDR Contact: 03/10/2014
Number of Days to Update: 14	Next Scheduled EDR Contact: 06/23/2014
	Data Release Frequency: Varies

### **US INST CONTROL: Sites with Institutional Controls**

A listing of sites with institutional controls in place. Institutional controls include administrative measures, such as groundwater use restrictions, construction restrictions, property use restrictions, and post remediation care requirements intended to prevent exposure to contaminants remaining on site. Deed restrictions are generally required as part of the institutional controls.

Date of Government Version: 12/17/2013	Source: Environmental Protection Agency
Date Data Arrived at EDR: 01/14/2014	Telephone: 703-603-0695
Date Made Active in Reports: 01/28/2014	Last EDR Contact: 03/10/2014
Number of Days to Update: 14	Next Scheduled EDR Contact: 06/23/2014
	Data Release Frequency: Varies

### **LUCIS: Land Use Control Information System**

LUCIS contains records of land use control information pertaining to the former Navy Base Realignment and Closure properties.

Date of Government Version: 02/26/2014	Source: Department of the Navy
Date Data Arrived at EDR: 02/28/2014	Telephone: 843-820-7326
Date Made Active in Reports: 04/24/2014	Last EDR Contact: 05/19/2014
Number of Days to Update: 55	Next Scheduled EDR Contact: 09/01/2014
	Data Release Frequency: Varies

## ***Federal ERNS list***

### **ERNS: Emergency Response Notification System**

Emergency Response Notification System. ERNS records and stores information on reported releases of oil and hazardous substances.

Date of Government Version: 09/30/2013	Source: National Response Center, United States Coast Guard
Date Data Arrived at EDR: 10/01/2013	Telephone: 202-267-2180
Date Made Active in Reports: 12/06/2013	Last EDR Contact: 04/04/2014
Number of Days to Update: 66	Next Scheduled EDR Contact: 07/14/2014
	Data Release Frequency: Annually

## ***State- and tribal - equivalent NPL***

### **RESPONSE: State Response Sites**

Identifies confirmed release sites where DTSC is involved in remediation, either in a lead or oversight capacity. These confirmed release sites are generally high-priority and high potential risk.

Date of Government Version: 05/05/2014	Source: Department of Toxic Substances Control
Date Data Arrived at EDR: 05/06/2014	Telephone: 916-323-3400
Date Made Active in Reports: 05/19/2014	Last EDR Contact: 05/06/2014
Number of Days to Update: 13	Next Scheduled EDR Contact: 08/18/2014
	Data Release Frequency: Quarterly

## ***State- and tribal - equivalent CERCLIS***

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## ENVIROSTOR: EnviroStor Database

The Department of Toxic Substances Control's (DTSC's) Site Mitigation and Brownfields Reuse Program's (SMBRP's) EnviroStor database identifies sites that have known contamination or sites for which there may be reasons to investigate further. The database includes the following site types: Federal Superfund sites (National Priorities List (NPL)); State Response, including Military Facilities and State Superfund; Voluntary Cleanup; and School sites. EnviroStor provides similar information to the information that was available in CalSites, and provides additional site information, including, but not limited to, identification of formerly-contaminated properties that have been released for reuse, properties where environmental deed restrictions have been recorded to prevent inappropriate land uses, and risk characterization information that is used to assess potential impacts to public health and the environment at contaminated sites.

Date of Government Version: 05/05/2014	Source: Department of Toxic Substances Control
Date Data Arrived at EDR: 05/06/2014	Telephone: 916-323-3400
Date Made Active in Reports: 05/19/2014	Last EDR Contact: 05/06/2014
Number of Days to Update: 13	Next Scheduled EDR Contact: 08/18/2014
	Data Release Frequency: Quarterly

## **State and tribal landfill and/or solid waste disposal site lists**

### SWF/LF (SWIS): Solid Waste Information System

Active, Closed and Inactive Landfills. SWF/LF records typically contain an inventory of solid waste disposal facilities or landfills. These may be active or inactive facilities or open dumps that failed to meet RCRA Section 4004 criteria for solid waste landfills or disposal sites.

Date of Government Version: 05/19/2014	Source: Department of Resources Recycling and Recovery
Date Data Arrived at EDR: 05/20/2014	Telephone: 916-341-6320
Date Made Active in Reports: 05/22/2014	Last EDR Contact: 05/20/2014
Number of Days to Update: 2	Next Scheduled EDR Contact: 09/01/2014
	Data Release Frequency: Quarterly

## **State and tribal leaking storage tank lists**

### LUST REG 6L: Leaking Underground Storage Tank Case Listing

For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 09/09/2003	Source: California Regional Water Quality Control Board Lahontan Region (6)
Date Data Arrived at EDR: 09/10/2003	Telephone: 530-542-5572
Date Made Active in Reports: 10/07/2003	Last EDR Contact: 09/12/2011
Number of Days to Update: 27	Next Scheduled EDR Contact: 12/26/2011
	Data Release Frequency: No Update Planned

### LUST REG 5: Leaking Underground Storage Tank Database

Leaking Underground Storage Tank locations. Alameda, Alpine, Amador, Butte, Colusa, Contra Costa, Calaveras, El Dorado, Fresno, Glenn, Kern, Kings, Lake, Lassen, Madera, Mariposa, Merced, Modoc, Napa, Nevada, Placer, Plumas, Sacramento, San Joaquin, Shasta, Solano, Stanislaus, Sutter, Tehama, Tulare, Tuolumne, Yolo, Yuba counties.

Date of Government Version: 07/01/2008	Source: California Regional Water Quality Control Board Central Valley Region (5)
Date Data Arrived at EDR: 07/22/2008	Telephone: 916-464-4834
Date Made Active in Reports: 07/31/2008	Last EDR Contact: 07/01/2011
Number of Days to Update: 9	Next Scheduled EDR Contact: 10/17/2011
	Data Release Frequency: No Update Planned

### LUST REG 4: Underground Storage Tank Leak List

Los Angeles, Ventura counties. For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 09/07/2004	Source: California Regional Water Quality Control Board Los Angeles Region (4)
Date Data Arrived at EDR: 09/07/2004	Telephone: 213-576-6710
Date Made Active in Reports: 10/12/2004	Last EDR Contact: 09/06/2011
Number of Days to Update: 35	Next Scheduled EDR Contact: 12/19/2011
	Data Release Frequency: No Update Planned

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## LUST REG 9: Leaking Underground Storage Tank Report

Orange, Riverside, San Diego counties. For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 03/01/2001  
Date Data Arrived at EDR: 04/23/2001  
Date Made Active in Reports: 05/21/2001  
Number of Days to Update: 28

Source: California Regional Water Quality Control Board San Diego Region (9)  
Telephone: 858-637-5595  
Last EDR Contact: 09/26/2011  
Next Scheduled EDR Contact: 01/09/2012  
Data Release Frequency: No Update Planned

## LUST REG 6V: Leaking Underground Storage Tank Case Listing

Leaking Underground Storage Tank locations. Inyo, Kern, Los Angeles, Mono, San Bernardino counties.

Date of Government Version: 06/07/2005  
Date Data Arrived at EDR: 06/07/2005  
Date Made Active in Reports: 06/29/2005  
Number of Days to Update: 22

Source: California Regional Water Quality Control Board Victorville Branch Office (6)  
Telephone: 760-241-7365  
Last EDR Contact: 09/12/2011  
Next Scheduled EDR Contact: 12/26/2011  
Data Release Frequency: No Update Planned

## LUST REG 7: Leaking Underground Storage Tank Case Listing

Leaking Underground Storage Tank locations. Imperial, Riverside, San Diego, Santa Barbara counties.

Date of Government Version: 02/26/2004  
Date Data Arrived at EDR: 02/26/2004  
Date Made Active in Reports: 03/24/2004  
Number of Days to Update: 27

Source: California Regional Water Quality Control Board Colorado River Basin Region (7)  
Telephone: 760-776-8943  
Last EDR Contact: 08/01/2011  
Next Scheduled EDR Contact: 11/14/2011  
Data Release Frequency: No Update Planned

## LUST REG 3: Leaking Underground Storage Tank Database

Leaking Underground Storage Tank locations. Monterey, San Benito, San Luis Obispo, Santa Barbara, Santa Cruz counties.

Date of Government Version: 05/19/2003  
Date Data Arrived at EDR: 05/19/2003  
Date Made Active in Reports: 06/02/2003  
Number of Days to Update: 14

Source: California Regional Water Quality Control Board Central Coast Region (3)  
Telephone: 805-542-4786  
Last EDR Contact: 07/18/2011  
Next Scheduled EDR Contact: 10/31/2011  
Data Release Frequency: No Update Planned

## LUST REG 8: Leaking Underground Storage Tanks

California Regional Water Quality Control Board Santa Ana Region (8). For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 02/14/2005  
Date Data Arrived at EDR: 02/15/2005  
Date Made Active in Reports: 03/28/2005  
Number of Days to Update: 41

Source: California Regional Water Quality Control Board Santa Ana Region (8)  
Telephone: 909-782-4496  
Last EDR Contact: 08/15/2011  
Next Scheduled EDR Contact: 11/28/2011  
Data Release Frequency: Varies

## LUST REG 2: Fuel Leak List

Leaking Underground Storage Tank locations. Alameda, Contra Costa, Marin, Napa, San Francisco, San Mateo, Santa Clara, Solano, Sonoma counties.

Date of Government Version: 09/30/2004  
Date Data Arrived at EDR: 10/20/2004  
Date Made Active in Reports: 11/19/2004  
Number of Days to Update: 30

Source: California Regional Water Quality Control Board San Francisco Bay Region (2)  
Telephone: 510-622-2433  
Last EDR Contact: 09/19/2011  
Next Scheduled EDR Contact: 01/02/2012  
Data Release Frequency: Quarterly

## LUST REG 1: Active Toxic Site Investigation

Del Norte, Humboldt, Lake, Mendocino, Modoc, Siskiyou, Sonoma, Trinity counties. For more current information, please refer to the State Water Resources Control Board's LUST database.

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 02/01/2001  
Date Data Arrived at EDR: 02/28/2001  
Date Made Active in Reports: 03/29/2001  
Number of Days to Update: 29

Source: California Regional Water Quality Control Board North Coast (1)  
Telephone: 707-570-3769  
Last EDR Contact: 08/01/2011  
Next Scheduled EDR Contact: 11/14/2011  
Data Release Frequency: No Update Planned

## LUST: Geotracker's Leaking Underground Fuel Tank Report

Leaking Underground Storage Tank Incident Reports. LUST records contain an inventory of reported leaking underground storage tank incidents. Not all states maintain these records, and the information stored varies by state. For more information on a particular leaking underground storage tank sites, please contact the appropriate regulatory agency.

Date of Government Version: 05/01/2014  
Date Data Arrived at EDR: 05/01/2014  
Date Made Active in Reports: 05/13/2014  
Number of Days to Update: 12

Source: State Water Resources Control Board  
Telephone: see region list  
Last EDR Contact: 05/01/2014  
Next Scheduled EDR Contact: 06/30/2014  
Data Release Frequency: Quarterly

## SLIC: Statewide SLIC Cases

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 05/01/2014  
Date Data Arrived at EDR: 05/01/2014  
Date Made Active in Reports: 05/13/2014  
Number of Days to Update: 12

Source: State Water Resources Control Board  
Telephone: 866-480-1028  
Last EDR Contact: 05/01/2014  
Next Scheduled EDR Contact: 06/30/2014  
Data Release Frequency: Varies

## SLIC REG 1: Active Toxic Site Investigations

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 04/03/2003  
Date Data Arrived at EDR: 04/07/2003  
Date Made Active in Reports: 04/25/2003  
Number of Days to Update: 18

Source: California Regional Water Quality Control Board, North Coast Region (1)  
Telephone: 707-576-2220  
Last EDR Contact: 08/01/2011  
Next Scheduled EDR Contact: 11/14/2011  
Data Release Frequency: No Update Planned

## SLIC REG 2: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 09/30/2004  
Date Data Arrived at EDR: 10/20/2004  
Date Made Active in Reports: 11/19/2004  
Number of Days to Update: 30

Source: Regional Water Quality Control Board San Francisco Bay Region (2)  
Telephone: 510-286-0457  
Last EDR Contact: 09/19/2011  
Next Scheduled EDR Contact: 01/02/2012  
Data Release Frequency: Quarterly

## SLIC REG 3: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 05/18/2006  
Date Data Arrived at EDR: 05/18/2006  
Date Made Active in Reports: 06/15/2006  
Number of Days to Update: 28

Source: California Regional Water Quality Control Board Central Coast Region (3)  
Telephone: 805-549-3147  
Last EDR Contact: 07/18/2011  
Next Scheduled EDR Contact: 10/31/2011  
Data Release Frequency: Semi-Annually

## SLIC REG 4: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 11/17/2004  
Date Data Arrived at EDR: 11/18/2004  
Date Made Active in Reports: 01/04/2005  
Number of Days to Update: 47

Source: Region Water Quality Control Board Los Angeles Region (4)  
Telephone: 213-576-6600  
Last EDR Contact: 07/01/2011  
Next Scheduled EDR Contact: 10/17/2011  
Data Release Frequency: Varies

## SLIC REG 5: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 04/01/2005  
Date Data Arrived at EDR: 04/05/2005  
Date Made Active in Reports: 04/21/2005  
Number of Days to Update: 16

Source: Regional Water Quality Control Board Central Valley Region (5)  
Telephone: 916-464-3291  
Last EDR Contact: 09/12/2011  
Next Scheduled EDR Contact: 12/26/2011  
Data Release Frequency: Semi-Annually

## SLIC REG 6V: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 05/24/2005  
Date Data Arrived at EDR: 05/25/2005  
Date Made Active in Reports: 06/16/2005  
Number of Days to Update: 22

Source: Regional Water Quality Control Board, Victorville Branch  
Telephone: 619-241-6583  
Last EDR Contact: 08/15/2011  
Next Scheduled EDR Contact: 11/28/2011  
Data Release Frequency: Semi-Annually

## SLIC REG 6L: SLIC Sites

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 09/07/2004  
Date Data Arrived at EDR: 09/07/2004  
Date Made Active in Reports: 10/12/2004  
Number of Days to Update: 35

Source: California Regional Water Quality Control Board, Lahontan Region  
Telephone: 530-542-5574  
Last EDR Contact: 08/15/2011  
Next Scheduled EDR Contact: 11/28/2011  
Data Release Frequency: No Update Planned

## SLIC REG 7: SLIC List

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 11/24/2004  
Date Data Arrived at EDR: 11/29/2004  
Date Made Active in Reports: 01/04/2005  
Number of Days to Update: 36

Source: California Regional Quality Control Board, Colorado River Basin Region  
Telephone: 760-346-7491  
Last EDR Contact: 08/01/2011  
Next Scheduled EDR Contact: 11/14/2011  
Data Release Frequency: No Update Planned

## SLIC REG 8: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 04/03/2008  
Date Data Arrived at EDR: 04/03/2008  
Date Made Active in Reports: 04/14/2008  
Number of Days to Update: 11

Source: California Region Water Quality Control Board Santa Ana Region (8)  
Telephone: 951-782-3298  
Last EDR Contact: 09/12/2011  
Next Scheduled EDR Contact: 12/26/2011  
Data Release Frequency: Semi-Annually

## SLIC REG 9: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 09/10/2007  
Date Data Arrived at EDR: 09/11/2007  
Date Made Active in Reports: 09/28/2007  
Number of Days to Update: 17

Source: California Regional Water Quality Control Board San Diego Region (9)  
Telephone: 858-467-2980  
Last EDR Contact: 08/08/2011  
Next Scheduled EDR Contact: 11/21/2011  
Data Release Frequency: Annually

INDIAN LUST R1: Leaking Underground Storage Tanks on Indian Land  
A listing of leaking underground storage tank locations on Indian Land.

Date of Government Version: 02/01/2013  
Date Data Arrived at EDR: 05/01/2013  
Date Made Active in Reports: 11/01/2013  
Number of Days to Update: 184

Source: EPA Region 1  
Telephone: 617-918-1313  
Last EDR Contact: 05/02/2014  
Next Scheduled EDR Contact: 08/11/2014  
Data Release Frequency: Varies

INDIAN LUST R5: Leaking Underground Storage Tanks on Indian Land  
Leaking underground storage tanks located on Indian Land in Michigan, Minnesota and Wisconsin.

Date of Government Version: 02/13/2014  
Date Data Arrived at EDR: 02/14/2014  
Date Made Active in Reports: 02/24/2014  
Number of Days to Update: 10

Source: EPA, Region 5  
Telephone: 312-886-7439  
Last EDR Contact: 04/28/2014  
Next Scheduled EDR Contact: 08/11/2014  
Data Release Frequency: Varies

INDIAN LUST R4: Leaking Underground Storage Tanks on Indian Land  
LUSTs on Indian land in Florida, Mississippi and North Carolina.

Date of Government Version: 11/21/2013  
Date Data Arrived at EDR: 11/26/2013  
Date Made Active in Reports: 02/24/2014  
Number of Days to Update: 90

Source: EPA Region 4  
Telephone: 404-562-8677  
Last EDR Contact: 04/22/2014  
Next Scheduled EDR Contact: 08/11/2014  
Data Release Frequency: Semi-Annually

INDIAN LUST R9: Leaking Underground Storage Tanks on Indian Land  
LUSTs on Indian land in Arizona, California, New Mexico and Nevada

Date of Government Version: 03/01/2013  
Date Data Arrived at EDR: 03/01/2013  
Date Made Active in Reports: 04/12/2013  
Number of Days to Update: 42

Source: Environmental Protection Agency  
Telephone: 415-972-3372  
Last EDR Contact: 04/28/2014  
Next Scheduled EDR Contact: 08/11/2014  
Data Release Frequency: Quarterly

INDIAN LUST R10: Leaking Underground Storage Tanks on Indian Land  
LUSTs on Indian land in Alaska, Idaho, Oregon and Washington.

Date of Government Version: 11/06/2013  
Date Data Arrived at EDR: 11/07/2013  
Date Made Active in Reports: 12/06/2013  
Number of Days to Update: 29

Source: EPA Region 10  
Telephone: 206-553-2857  
Last EDR Contact: 04/28/2014  
Next Scheduled EDR Contact: 08/11/2014  
Data Release Frequency: Quarterly

INDIAN LUST R6: Leaking Underground Storage Tanks on Indian Land  
LUSTs on Indian land in New Mexico and Oklahoma.

Date of Government Version: 09/12/2011  
Date Data Arrived at EDR: 09/13/2011  
Date Made Active in Reports: 11/11/2011  
Number of Days to Update: 59

Source: EPA Region 6  
Telephone: 214-665-6597  
Last EDR Contact: 02/21/2014  
Next Scheduled EDR Contact: 05/12/2014  
Data Release Frequency: Varies

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## INDIAN LUST R8: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in Colorado, Montana, North Dakota, South Dakota, Utah and Wyoming.

Date of Government Version: 08/27/2012	Source: EPA Region 8
Date Data Arrived at EDR: 08/28/2012	Telephone: 303-312-6271
Date Made Active in Reports: 10/16/2012	Last EDR Contact: 04/28/2014
Number of Days to Update: 49	Next Scheduled EDR Contact: 08/11/2014
	Data Release Frequency: Quarterly

## INDIAN LUST R7: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in Iowa, Kansas, and Nebraska

Date of Government Version: 02/20/2014	Source: EPA Region 7
Date Data Arrived at EDR: 02/21/2014	Telephone: 913-551-7003
Date Made Active in Reports: 04/24/2014	Last EDR Contact: 04/28/2014
Number of Days to Update: 62	Next Scheduled EDR Contact: 08/11/2014
	Data Release Frequency: Varies

### **State and tribal registered storage tank lists**

#### UST: Active UST Facilities

Active UST facilities gathered from the local regulatory agencies

Date of Government Version: 03/17/2014	Source: SWRCB
Date Data Arrived at EDR: 03/19/2014	Telephone: 916-341-5851
Date Made Active in Reports: 04/25/2014	Last EDR Contact: 03/19/2014
Number of Days to Update: 37	Next Scheduled EDR Contact: 06/30/2014
	Data Release Frequency: Semi-Annually

#### AST: Aboveground Petroleum Storage Tank Facilities

A listing of aboveground storage tank petroleum storage tank locations.

Date of Government Version: 08/01/2009	Source: California Environmental Protection Agency
Date Data Arrived at EDR: 09/10/2009	Telephone: 916-327-5092
Date Made Active in Reports: 10/01/2009	Last EDR Contact: 04/07/2014
Number of Days to Update: 21	Next Scheduled EDR Contact: 07/21/2014
	Data Release Frequency: Quarterly

#### INDIAN UST R1: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 1 (Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, Vermont and ten Tribal Nations).

Date of Government Version: 02/01/2013	Source: EPA, Region 1
Date Data Arrived at EDR: 05/01/2013	Telephone: 617-918-1313
Date Made Active in Reports: 01/27/2014	Last EDR Contact: 05/02/2014
Number of Days to Update: 271	Next Scheduled EDR Contact: 08/11/2014
	Data Release Frequency: Varies

#### INDIAN UST R4: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 4 (Alabama, Florida, Georgia, Kentucky, Mississippi, North Carolina, South Carolina, Tennessee and Tribal Nations)

Date of Government Version: 11/21/2013	Source: EPA Region 4
Date Data Arrived at EDR: 11/26/2013	Telephone: 404-562-9424
Date Made Active in Reports: 02/24/2014	Last EDR Contact: 04/22/2014
Number of Days to Update: 90	Next Scheduled EDR Contact: 08/11/2014
	Data Release Frequency: Semi-Annually



# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## INDIAN UST R5: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 5 (Michigan, Minnesota and Wisconsin and Tribal Nations).

Date of Government Version: 02/13/2014	Source: EPA Region 5
Date Data Arrived at EDR: 02/14/2014	Telephone: 312-886-6136
Date Made Active in Reports: 02/24/2014	Last EDR Contact: 04/28/2014
Number of Days to Update: 10	Next Scheduled EDR Contact: 08/11/2014
	Data Release Frequency: Varies

## INDIAN UST R6: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 6 (Louisiana, Arkansas, Oklahoma, New Mexico, Texas and 65 Tribes).

Date of Government Version: 01/29/2014	Source: EPA Region 6
Date Data Arrived at EDR: 01/29/2014	Telephone: 214-665-7591
Date Made Active in Reports: 03/12/2014	Last EDR Contact: 01/27/2014
Number of Days to Update: 42	Next Scheduled EDR Contact: 05/12/2014
	Data Release Frequency: Semi-Annually

## INDIAN UST R7: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 7 (Iowa, Kansas, Missouri, Nebraska, and 9 Tribal Nations).

Date of Government Version: 02/20/2014	Source: EPA Region 7
Date Data Arrived at EDR: 02/21/2014	Telephone: 913-551-7003
Date Made Active in Reports: 04/24/2014	Last EDR Contact: 04/28/2014
Number of Days to Update: 62	Next Scheduled EDR Contact: 08/11/2014
	Data Release Frequency: Varies

## INDIAN UST R8: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 8 (Colorado, Montana, North Dakota, South Dakota, Utah, Wyoming and 27 Tribal Nations).

Date of Government Version: 07/29/2013	Source: EPA Region 8
Date Data Arrived at EDR: 08/01/2013	Telephone: 303-312-6137
Date Made Active in Reports: 11/01/2013	Last EDR Contact: 04/28/2014
Number of Days to Update: 92	Next Scheduled EDR Contact: 08/11/2014
	Data Release Frequency: Quarterly

## INDIAN UST R9: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 9 (Arizona, California, Hawaii, Nevada, the Pacific Islands, and Tribal Nations).

Date of Government Version: 07/29/2013	Source: EPA Region 9
Date Data Arrived at EDR: 07/30/2013	Telephone: 415-972-3368
Date Made Active in Reports: 12/06/2013	Last EDR Contact: 04/28/2014
Number of Days to Update: 129	Next Scheduled EDR Contact: 08/11/2014
	Data Release Frequency: Quarterly

## INDIAN UST R10: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 10 (Alaska, Idaho, Oregon, Washington, and Tribal Nations).

Date of Government Version: 02/05/2013	Source: EPA Region 10
Date Data Arrived at EDR: 02/06/2013	Telephone: 206-553-2857
Date Made Active in Reports: 04/12/2013	Last EDR Contact: 04/28/2014
Number of Days to Update: 65	Next Scheduled EDR Contact: 08/11/2014
	Data Release Frequency: Quarterly

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## FEMA UST: Underground Storage Tank Listing

A listing of all FEMA owned underground storage tanks.

Date of Government Version: 01/01/2010	Source: FEMA
Date Data Arrived at EDR: 02/16/2010	Telephone: 202-646-5797
Date Made Active in Reports: 04/12/2010	Last EDR Contact: 04/15/2014
Number of Days to Update: 55	Next Scheduled EDR Contact: 07/28/2014
	Data Release Frequency: Varies

## **State and tribal voluntary cleanup sites**

### INDIAN VCP R7: Voluntary Cleanup Priority Listing

A listing of voluntary cleanup priority sites located on Indian Land located in Region 7.

Date of Government Version: 03/20/2008	Source: EPA, Region 7
Date Data Arrived at EDR: 04/22/2008	Telephone: 913-551-7365
Date Made Active in Reports: 05/19/2008	Last EDR Contact: 04/20/2009
Number of Days to Update: 27	Next Scheduled EDR Contact: 07/20/2009
	Data Release Frequency: Varies

### INDIAN VCP R1: Voluntary Cleanup Priority Listing

A listing of voluntary cleanup priority sites located on Indian Land located in Region 1.

Date of Government Version: 09/17/2013	Source: EPA, Region 1
Date Data Arrived at EDR: 10/01/2013	Telephone: 617-918-1102
Date Made Active in Reports: 12/06/2013	Last EDR Contact: 04/01/2014
Number of Days to Update: 66	Next Scheduled EDR Contact: 07/14/2014
	Data Release Frequency: Varies

### VCP: Voluntary Cleanup Program Properties

Contains low threat level properties with either confirmed or unconfirmed releases and the project proponents have request that DTSC oversee investigation and/or cleanup activities and have agreed to provide coverage for DTSC's costs.

Date of Government Version: 05/05/2014	Source: Department of Toxic Substances Control
Date Data Arrived at EDR: 05/06/2014	Telephone: 916-323-3400
Date Made Active in Reports: 05/19/2014	Last EDR Contact: 05/06/2014
Number of Days to Update: 13	Next Scheduled EDR Contact: 08/18/2014
	Data Release Frequency: Quarterly

## **ADDITIONAL ENVIRONMENTAL RECORDS**

### **Local Brownfield lists**

#### US BROWNFIELDS: A Listing of Brownfields Sites

Brownfields are real property, the expansion, redevelopment, or reuse of which may be complicated by the presence or potential presence of a hazardous substance, pollutant, or contaminant. Cleaning up and reinvesting in these properties takes development pressures off of undeveloped, open land, and both improves and protects the environment. Assessment, Cleanup and Redevelopment Exchange System (ACRES) stores information reported by EPA Brownfields grant recipients on brownfields properties assessed or cleaned up with grant funding as well as information on Targeted Brownfields Assessments performed by EPA Regions. A listing of ACRES Brownfield sites is obtained from Cleanups in My Community. Cleanups in My Community provides information on Brownfields properties for which information is reported back to EPA, as well as areas served by Brownfields grant programs.

Date of Government Version: 03/20/2014	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/20/2014	Telephone: 202-566-2777
Date Made Active in Reports: 04/09/2014	Last EDR Contact: 03/20/2014
Number of Days to Update: 20	Next Scheduled EDR Contact: 07/07/2014
	Data Release Frequency: Semi-Annually

### **Local Lists of Landfill / Solid Waste Disposal Sites**

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## ODI: Open Dump Inventory

An open dump is defined as a disposal facility that does not comply with one or more of the Part 257 or Part 258 Subtitle D Criteria.

Date of Government Version: 06/30/1985	Source: Environmental Protection Agency
Date Data Arrived at EDR: 08/09/2004	Telephone: 800-424-9346
Date Made Active in Reports: 09/17/2004	Last EDR Contact: 06/09/2004
Number of Days to Update: 39	Next Scheduled EDR Contact: N/A
	Data Release Frequency: No Update Planned

## DEBRIS REGION 9: Torres Martinez Reservation Illegal Dump Site Locations

A listing of illegal dump sites location on the Torres Martinez Indian Reservation located in eastern Riverside County and northern Imperial County, California.

Date of Government Version: 01/12/2009	Source: EPA, Region 9
Date Data Arrived at EDR: 05/07/2009	Telephone: 415-947-4219
Date Made Active in Reports: 09/21/2009	Last EDR Contact: 04/28/2014
Number of Days to Update: 137	Next Scheduled EDR Contact: 08/11/2014
	Data Release Frequency: No Update Planned

## WMUDS/SWAT: Waste Management Unit Database

Waste Management Unit Database System. WMUDS is used by the State Water Resources Control Board staff and the Regional Water Quality Control Boards for program tracking and inventory of waste management units. WMUDS is composed of the following databases: Facility Information, Scheduled Inspections Information, Waste Management Unit Information, SWAT Program Information, SWAT Report Summary Information, SWAT Report Summary Data, Chapter 15 (formerly Subchapter 15) Information, Chapter 15 Monitoring Parameters, TPCA Program Information, RCRA Program Information, Closure Information, and Interested Parties Information.

Date of Government Version: 04/01/2000	Source: State Water Resources Control Board
Date Data Arrived at EDR: 04/10/2000	Telephone: 916-227-4448
Date Made Active in Reports: 05/10/2000	Last EDR Contact: 05/07/2014
Number of Days to Update: 30	Next Scheduled EDR Contact: 08/25/2014
	Data Release Frequency: No Update Planned

## SWRCY: Recycler Database

A listing of recycling facilities in California.

Date of Government Version: 03/17/2014	Source: Department of Conservation
Date Data Arrived at EDR: 03/18/2014	Telephone: 916-323-3836
Date Made Active in Reports: 04/24/2014	Last EDR Contact: 03/18/2014
Number of Days to Update: 37	Next Scheduled EDR Contact: 06/30/2014
	Data Release Frequency: Quarterly

## HAULERS: Registered Waste Tire Haulers Listing

A listing of registered waste tire haulers.

Date of Government Version: 02/18/2014	Source: Integrated Waste Management Board
Date Data Arrived at EDR: 02/20/2014	Telephone: 916-341-6422
Date Made Active in Reports: 03/27/2014	Last EDR Contact: 05/19/2014
Number of Days to Update: 35	Next Scheduled EDR Contact: 09/01/2014
	Data Release Frequency: Varies

## INDIAN ODI: Report on the Status of Open Dumps on Indian Lands

Location of open dumps on Indian land.

Date of Government Version: 12/31/1998	Source: Environmental Protection Agency
Date Data Arrived at EDR: 12/03/2007	Telephone: 703-308-8245
Date Made Active in Reports: 01/24/2008	Last EDR Contact: 05/02/2014
Number of Days to Update: 32	Next Scheduled EDR Contact: 08/18/2014
	Data Release Frequency: Varies

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## **Local Lists of Hazardous waste / Contaminated Sites**

### **US CDL: Clandestine Drug Labs**

A listing of clandestine drug lab locations. The U.S. Department of Justice ("the Department") provides this web site as a public service. It contains addresses of some locations where law enforcement agencies reported they found chemicals or other items that indicated the presence of either clandestine drug laboratories or dumpsites. In most cases, the source of the entries is not the Department, and the Department has not verified the entry and does not guarantee its accuracy. Members of the public must verify the accuracy of all entries by, for example, contacting local law enforcement and local health departments.

Date of Government Version: 12/04/2013	Source: Drug Enforcement Administration
Date Data Arrived at EDR: 12/10/2013	Telephone: 202-307-1000
Date Made Active in Reports: 02/13/2014	Last EDR Contact: 03/04/2014
Number of Days to Update: 65	Next Scheduled EDR Contact: 06/16/2014
	Data Release Frequency: Quarterly

### **HIST CAL-SITES: Calsites Database**

The Calsites database contains potential or confirmed hazardous substance release properties. In 1996, California EPA reevaluated and significantly reduced the number of sites in the Calsites database. No longer updated by the state agency. It has been replaced by ENVIROSTOR.

Date of Government Version: 08/08/2005	Source: Department of Toxic Substance Control
Date Data Arrived at EDR: 08/03/2006	Telephone: 916-323-3400
Date Made Active in Reports: 08/24/2006	Last EDR Contact: 02/23/2009
Number of Days to Update: 21	Next Scheduled EDR Contact: 05/25/2009
	Data Release Frequency: No Update Planned

### **SCH: School Property Evaluation Program**

This category contains proposed and existing school sites that are being evaluated by DTSC for possible hazardous materials contamination. In some cases, these properties may be listed in the CalSites category depending on the level of threat to public health and safety or the environment they pose.

Date of Government Version: 05/05/2014	Source: Department of Toxic Substances Control
Date Data Arrived at EDR: 05/06/2014	Telephone: 916-323-3400
Date Made Active in Reports: 05/19/2014	Last EDR Contact: 05/06/2014
Number of Days to Update: 13	Next Scheduled EDR Contact: 08/18/2014
	Data Release Frequency: Quarterly

### **TOXIC PITS: Toxic Pits Cleanup Act Sites**

Toxic PITS Cleanup Act Sites. TOXIC PITS identifies sites suspected of containing hazardous substances where cleanup has not yet been completed.

Date of Government Version: 07/01/1995	Source: State Water Resources Control Board
Date Data Arrived at EDR: 08/30/1995	Telephone: 916-227-4364
Date Made Active in Reports: 09/26/1995	Last EDR Contact: 01/26/2009
Number of Days to Update: 27	Next Scheduled EDR Contact: 04/27/2009
	Data Release Frequency: No Update Planned

### **CDL: Clandestine Drug Labs**

A listing of drug lab locations. Listing of a location in this database does not indicate that any illegal drug lab materials were or were not present there, and does not constitute a determination that the location either requires or does not require additional cleanup work.

Date of Government Version: 12/31/2013	Source: Department of Toxic Substances Control
Date Data Arrived at EDR: 02/28/2014	Telephone: 916-255-6504
Date Made Active in Reports: 03/20/2014	Last EDR Contact: 04/10/2014
Number of Days to Update: 20	Next Scheduled EDR Contact: 07/28/2014
	Data Release Frequency: Varies

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## US HIST CDL: National Clandestine Laboratory Register

A listing of clandestine drug lab locations. The U.S. Department of Justice ("the Department") provides this web site as a public service. It contains addresses of some locations where law enforcement agencies reported they found chemicals or other items that indicated the presence of either clandestine drug laboratories or dumpsites. In most cases, the source of the entries is not the Department, and the Department has not verified the entry and does not guarantee its accuracy. Members of the public must verify the accuracy of all entries by, for example, contacting local law enforcement and local health departments.

Date of Government Version: 09/01/2007	Source: Drug Enforcement Administration
Date Data Arrived at EDR: 11/19/2008	Telephone: 202-307-1000
Date Made Active in Reports: 03/30/2009	Last EDR Contact: 03/04/2014
Number of Days to Update: 131	Next Scheduled EDR Contact: 06/16/2014
	Data Release Frequency: No Update Planned

## **Local Lists of Registered Storage Tanks**

### CA FID UST: Facility Inventory Database

The Facility Inventory Database (FID) contains a historical listing of active and inactive underground storage tank locations from the State Water Resource Control Board. Refer to local/county source for current data.

Date of Government Version: 10/31/1994	Source: California Environmental Protection Agency
Date Data Arrived at EDR: 09/05/1995	Telephone: 916-341-5851
Date Made Active in Reports: 09/29/1995	Last EDR Contact: 12/28/1998
Number of Days to Update: 24	Next Scheduled EDR Contact: N/A
	Data Release Frequency: No Update Planned

### UST MENDOCINO: Mendocino County UST Database

A listing of underground storage tank locations in Mendocino County.

Date of Government Version: 09/23/2009	Source: Department of Public Health
Date Data Arrived at EDR: 09/23/2009	Telephone: 707-463-4466
Date Made Active in Reports: 10/01/2009	Last EDR Contact: 03/03/2014
Number of Days to Update: 8	Next Scheduled EDR Contact: 06/16/2014
	Data Release Frequency: Annually

### HIST UST: Hazardous Substance Storage Container Database

The Hazardous Substance Storage Container Database is a historical listing of UST sites. Refer to local/county source for current data.

Date of Government Version: 10/15/1990	Source: State Water Resources Control Board
Date Data Arrived at EDR: 01/25/1991	Telephone: 916-341-5851
Date Made Active in Reports: 02/12/1991	Last EDR Contact: 07/26/2001
Number of Days to Update: 18	Next Scheduled EDR Contact: N/A
	Data Release Frequency: No Update Planned

### SWEEPS UST: SWEEPS UST Listing

Statewide Environmental Evaluation and Planning System. This underground storage tank listing was updated and maintained by a company contacted by the SWRCB in the early 1990's. The listing is no longer updated or maintained. The local agency is the contact for more information on a site on the SWEEPS list.

Date of Government Version: 06/01/1994	Source: State Water Resources Control Board
Date Data Arrived at EDR: 07/07/2005	Telephone: N/A
Date Made Active in Reports: 08/11/2005	Last EDR Contact: 06/03/2005
Number of Days to Update: 35	Next Scheduled EDR Contact: N/A
	Data Release Frequency: No Update Planned

## **Local Land Records**

### LIENS 2: CERCLA Lien Information

A Federal CERCLA ('Superfund') lien can exist by operation of law at any site or property at which EPA has spent Superfund monies. These monies are spent to investigate and address releases and threatened releases of contamination. CERCLIS provides information as to the identity of these sites and properties.

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 02/18/2014  
Date Data Arrived at EDR: 03/18/2014  
Date Made Active in Reports: 04/24/2014  
Number of Days to Update: 37

Source: Environmental Protection Agency  
Telephone: 202-564-6023  
Last EDR Contact: 04/28/2014  
Next Scheduled EDR Contact: 08/11/2014  
Data Release Frequency: Varies

## LIENS: Environmental Liens Listing

A listing of property locations with environmental liens for California where DTSC is a lien holder.

Date of Government Version: 05/05/2014  
Date Data Arrived at EDR: 05/06/2014  
Date Made Active in Reports: 05/19/2014  
Number of Days to Update: 13

Source: Department of Toxic Substances Control  
Telephone: 916-323-3400  
Last EDR Contact: 03/10/2014  
Next Scheduled EDR Contact: 06/23/2014  
Data Release Frequency: Varies

## DEED: Deed Restriction Listing

Site Mitigation and Brownfields Reuse Program Facility Sites with Deed Restrictions & Hazardous Waste Management Program Facility Sites with Deed / Land Use Restriction. The DTSC Site Mitigation and Brownfields Reuse Program (SMBRP) list includes sites cleaned up under the program's oversight and generally does not include current or former hazardous waste facilities that required a hazardous waste facility permit. The list represents deed restrictions that are active. Some sites have multiple deed restrictions. The DTSC Hazardous Waste Management Program (HWMP) has developed a list of current or former hazardous waste facilities that have a recorded land use restriction at the local county recorder's office. The land use restrictions on this list were required by the DTSC HWMP as a result of the presence of hazardous substances that remain on site after the facility (or part of the facility) has been closed or cleaned up. The types of land use restriction include deed notice, deed restriction, or a land use restriction that binds current and future owners.

Date of Government Version: 03/10/2014  
Date Data Arrived at EDR: 03/11/2014  
Date Made Active in Reports: 04/10/2014  
Number of Days to Update: 30

Source: DTSC and SWRCB  
Telephone: 916-323-3400  
Last EDR Contact: 03/11/2014  
Next Scheduled EDR Contact: 06/23/2014  
Data Release Frequency: Semi-Annually

## **Records of Emergency Release Reports**

### HMIRS: Hazardous Materials Information Reporting System

Hazardous Materials Incident Report System. HMIRS contains hazardous material spill incidents reported to DOT.

Date of Government Version: 12/31/2013  
Date Data Arrived at EDR: 01/03/2014  
Date Made Active in Reports: 02/24/2014  
Number of Days to Update: 52

Source: U.S. Department of Transportation  
Telephone: 202-366-4555  
Last EDR Contact: 04/01/2014  
Next Scheduled EDR Contact: 07/14/2014  
Data Release Frequency: Annually

### CHMIRS: California Hazardous Material Incident Report System

California Hazardous Material Incident Reporting System. CHMIRS contains information on reported hazardous material incidents (accidental releases or spills).

Date of Government Version: 02/04/2014  
Date Data Arrived at EDR: 04/29/2014  
Date Made Active in Reports: 05/09/2014  
Number of Days to Update: 10

Source: Office of Emergency Services  
Telephone: 916-845-8400  
Last EDR Contact: 04/29/2014  
Next Scheduled EDR Contact: 08/11/2014  
Data Release Frequency: Varies

### LDS: Land Disposal Sites Listing

The Land Disposal program regulates of waste discharge to land for treatment, storage and disposal in waste management units.

Date of Government Version: 05/01/2014  
Date Data Arrived at EDR: 05/01/2014  
Date Made Active in Reports: 05/13/2014  
Number of Days to Update: 12

Source: State Water Quality Control Board  
Telephone: 866-480-1028  
Last EDR Contact: 05/01/2014  
Next Scheduled EDR Contact: 06/30/2014  
Data Release Frequency: Quarterly

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## MCS: Military Cleanup Sites Listing

The State Water Resources Control Board and nine Regional Water Quality Control Boards partner with the Department of Defense (DoD) through the Defense and State Memorandum of Agreement (DSMOA) to oversee the investigation and remediation of water quality issues at military facilities.

Date of Government Version: 05/01/2014	Source: State Water Resources Control Board
Date Data Arrived at EDR: 05/01/2014	Telephone: 866-480-1028
Date Made Active in Reports: 05/13/2014	Last EDR Contact: 05/01/2014
Number of Days to Update: 12	Next Scheduled EDR Contact: 06/30/2014
	Data Release Frequency: Quarterly

## SPILLS 90: SPILLS90 data from FirstSearch

Spills 90 includes those spill and release records available exclusively from FirstSearch databases. Typically, they may include chemical, oil and/or hazardous substance spills recorded after 1990. Duplicate records that are already included in EDR incident and release records are not included in Spills 90.

Date of Government Version: 06/06/2012	Source: FirstSearch
Date Data Arrived at EDR: 01/03/2013	Telephone: N/A
Date Made Active in Reports: 02/22/2013	Last EDR Contact: 01/03/2013
Number of Days to Update: 50	Next Scheduled EDR Contact: N/A
	Data Release Frequency: No Update Planned

## **Other Ascertainable Records**

### RCRA NonGen / NLR: RCRA - Non Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Non-Generators do not presently generate hazardous waste.

Date of Government Version: 03/11/2014	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/13/2014	Telephone: (415) 495-8895
Date Made Active in Reports: 04/09/2014	Last EDR Contact: 03/13/2014
Number of Days to Update: 27	Next Scheduled EDR Contact: 07/14/2014
	Data Release Frequency: Varies

### DOT OPS: Incident and Accident Data

Department of Transportation, Office of Pipeline Safety Incident and Accident data.

Date of Government Version: 07/31/2012	Source: Department of Transportation, Office of Pipeline Safety
Date Data Arrived at EDR: 08/07/2012	Telephone: 202-366-4595
Date Made Active in Reports: 09/18/2012	Last EDR Contact: 05/06/2014
Number of Days to Update: 42	Next Scheduled EDR Contact: 08/18/2014
	Data Release Frequency: Varies

### DOD: Department of Defense Sites

This data set consists of federally owned or administered lands, administered by the Department of Defense, that have any area equal to or greater than 640 acres of the United States, Puerto Rico, and the U.S. Virgin Islands.

Date of Government Version: 12/31/2005	Source: USGS
Date Data Arrived at EDR: 11/10/2006	Telephone: 888-275-8747
Date Made Active in Reports: 01/11/2007	Last EDR Contact: 04/18/2014
Number of Days to Update: 62	Next Scheduled EDR Contact: 07/28/2014
	Data Release Frequency: Semi-Annually

### FUDS: Formerly Used Defense Sites

The listing includes locations of Formerly Used Defense Sites properties where the US Army Corps of Engineers is actively working or will take necessary cleanup actions.

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 12/31/2012  
Date Data Arrived at EDR: 02/28/2014  
Date Made Active in Reports: 04/24/2014  
Number of Days to Update: 55

Source: U.S. Army Corps of Engineers  
Telephone: 202-528-4285  
Last EDR Contact: 03/10/2014  
Next Scheduled EDR Contact: 06/23/2014  
Data Release Frequency: Varies

## CONSENT: Superfund (CERCLA) Consent Decrees

Major legal settlements that establish responsibility and standards for cleanup at NPL (Superfund) sites. Released periodically by United States District Courts after settlement by parties to litigation matters.

Date of Government Version: 12/31/2013  
Date Data Arrived at EDR: 01/24/2014  
Date Made Active in Reports: 02/24/2014  
Number of Days to Update: 31

Source: Department of Justice, Consent Decree Library  
Telephone: Varies  
Last EDR Contact: 03/27/2014  
Next Scheduled EDR Contact: 07/14/2014  
Data Release Frequency: Varies

## ROD: Records Of Decision

Record of Decision. ROD documents mandate a permanent remedy at an NPL (Superfund) site containing technical and health information to aid in the cleanup.

Date of Government Version: 11/25/2013  
Date Data Arrived at EDR: 12/12/2013  
Date Made Active in Reports: 02/24/2014  
Number of Days to Update: 74

Source: EPA  
Telephone: 703-416-0223  
Last EDR Contact: 03/11/2014  
Next Scheduled EDR Contact: 06/23/2014  
Data Release Frequency: Annually

## UMTRA: Uranium Mill Tailings Sites

Uranium ore was mined by private companies for federal government use in national defense programs. When the mills shut down, large piles of the sand-like material (mill tailings) remain after uranium has been extracted from the ore. Levels of human exposure to radioactive materials from the piles are low; however, in some cases tailings were used as construction materials before the potential health hazards of the tailings were recognized.

Date of Government Version: 09/14/2010  
Date Data Arrived at EDR: 10/07/2011  
Date Made Active in Reports: 03/01/2012  
Number of Days to Update: 146

Source: Department of Energy  
Telephone: 505-845-0011  
Last EDR Contact: 02/25/2014  
Next Scheduled EDR Contact: 06/09/2014  
Data Release Frequency: Varies

## US MINES: Mines Master Index File

Contains all mine identification numbers issued for mines active or opened since 1971. The data also includes violation information.

Date of Government Version: 08/01/2013  
Date Data Arrived at EDR: 09/05/2013  
Date Made Active in Reports: 10/03/2013  
Number of Days to Update: 28

Source: Department of Labor, Mine Safety and Health Administration  
Telephone: 303-231-5959  
Last EDR Contact: 03/05/2014  
Next Scheduled EDR Contact: 06/16/2014  
Data Release Frequency: Semi-Annually

## TRIS: Toxic Chemical Release Inventory System

Toxic Release Inventory System. TRIS identifies facilities which release toxic chemicals to the air, water and land in reportable quantities under SARA Title III Section 313.

Date of Government Version: 12/31/2011  
Date Data Arrived at EDR: 07/31/2013  
Date Made Active in Reports: 09/13/2013  
Number of Days to Update: 44

Source: EPA  
Telephone: 202-566-0250  
Last EDR Contact: 05/30/2014  
Next Scheduled EDR Contact: 09/08/2014  
Data Release Frequency: Annually

## TSCA: Toxic Substances Control Act

Toxic Substances Control Act. TSCA identifies manufacturers and importers of chemical substances included on the TSCA Chemical Substance Inventory list. It includes data on the production volume of these substances by plant site.



# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 12/31/2006  
Date Data Arrived at EDR: 09/29/2010  
Date Made Active in Reports: 12/02/2010  
Number of Days to Update: 64

Source: EPA  
Telephone: 202-260-5521  
Last EDR Contact: 03/28/2014  
Next Scheduled EDR Contact: 07/07/2014  
Data Release Frequency: Every 4 Years

**FTTS: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)**  
FTTS tracks administrative cases and pesticide enforcement actions and compliance activities related to FIFRA, TSCA and EPCRA (Emergency Planning and Community Right-to-Know Act). To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 04/09/2009  
Date Data Arrived at EDR: 04/16/2009  
Date Made Active in Reports: 05/11/2009  
Number of Days to Update: 25

Source: EPA/Office of Prevention, Pesticides and Toxic Substances  
Telephone: 202-566-1667  
Last EDR Contact: 05/22/2014  
Next Scheduled EDR Contact: 09/08/2014  
Data Release Frequency: Quarterly

**FTTS INSP: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)**  
A listing of FIFRA/TSCA Tracking System (FTTS) inspections and enforcements.

Date of Government Version: 04/09/2009  
Date Data Arrived at EDR: 04/16/2009  
Date Made Active in Reports: 05/11/2009  
Number of Days to Update: 25

Source: EPA  
Telephone: 202-566-1667  
Last EDR Contact: 05/22/2014  
Next Scheduled EDR Contact: 09/08/2014  
Data Release Frequency: Quarterly

**HIST FTTS: FIFRA/TSCA Tracking System Administrative Case Listing**

A complete administrative case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006  
Date Data Arrived at EDR: 03/01/2007  
Date Made Active in Reports: 04/10/2007  
Number of Days to Update: 40

Source: Environmental Protection Agency  
Telephone: 202-564-2501  
Last EDR Contact: 12/17/2007  
Next Scheduled EDR Contact: 03/17/2008  
Data Release Frequency: No Update Planned

**HIST FTTS INSP: FIFRA/TSCA Tracking System Inspection & Enforcement Case Listing**

A complete inspection and enforcement case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006  
Date Data Arrived at EDR: 03/01/2007  
Date Made Active in Reports: 04/10/2007  
Number of Days to Update: 40

Source: Environmental Protection Agency  
Telephone: 202-564-2501  
Last EDR Contact: 12/17/2008  
Next Scheduled EDR Contact: 03/17/2008  
Data Release Frequency: No Update Planned

**SSTS: Section 7 Tracking Systems**

Section 7 of the Federal Insecticide, Fungicide and Rodenticide Act, as amended (92 Stat. 829) requires all registered pesticide-producing establishments to submit a report to the Environmental Protection Agency by March 1st each year. Each establishment must report the types and amounts of pesticides, active ingredients and devices being produced, and those having been produced and sold or distributed in the past year.

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 12/31/2009  
Date Data Arrived at EDR: 12/10/2010  
Date Made Active in Reports: 02/25/2011  
Number of Days to Update: 77

Source: EPA  
Telephone: 202-564-4203  
Last EDR Contact: 04/29/2014  
Next Scheduled EDR Contact: 08/11/2014  
Data Release Frequency: Annually

## ICIS: Integrated Compliance Information System

The Integrated Compliance Information System (ICIS) supports the information needs of the national enforcement and compliance program as well as the unique needs of the National Pollutant Discharge Elimination System (NPDES) program.

Date of Government Version: 07/20/2011  
Date Data Arrived at EDR: 11/10/2011  
Date Made Active in Reports: 01/10/2012  
Number of Days to Update: 61

Source: Environmental Protection Agency  
Telephone: 202-564-5088  
Last EDR Contact: 10/09/2014  
Next Scheduled EDR Contact: 07/21/2014  
Data Release Frequency: Quarterly

## PADS: PCB Activity Database System

PCB Activity Database. PADS Identifies generators, transporters, commercial storers and/or brokers and disposers of PCB's who are required to notify the EPA of such activities.

Date of Government Version: 06/01/2013  
Date Data Arrived at EDR: 07/17/2013  
Date Made Active in Reports: 11/01/2013  
Number of Days to Update: 107

Source: EPA  
Telephone: 202-566-0500  
Last EDR Contact: 04/18/2014  
Next Scheduled EDR Contact: 07/28/2014  
Data Release Frequency: Annually

## MLTS: Material Licensing Tracking System

MLTS is maintained by the Nuclear Regulatory Commission and contains a list of approximately 8,100 sites which possess or use radioactive materials and which are subject to NRC licensing requirements. To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 07/22/2013  
Date Data Arrived at EDR: 08/02/2013  
Date Made Active in Reports: 11/01/2013  
Number of Days to Update: 91

Source: Nuclear Regulatory Commission  
Telephone: 301-415-7169  
Last EDR Contact: 03/10/2014  
Next Scheduled EDR Contact: 06/23/2014  
Data Release Frequency: Quarterly

## RADINFO: Radiation Information Database

The Radiation Information Database (RADINFO) contains information about facilities that are regulated by U.S. Environmental Protection Agency (EPA) regulations for radiation and radioactivity.

Date of Government Version: 01/09/2014  
Date Data Arrived at EDR: 01/10/2014  
Date Made Active in Reports: 03/12/2014  
Number of Days to Update: 61

Source: Environmental Protection Agency  
Telephone: 202-343-9775  
Last EDR Contact: 04/09/2014  
Next Scheduled EDR Contact: 07/21/2014  
Data Release Frequency: Quarterly

## FINDS: Facility Index System/Facility Registry System

Facility Index System. FINDS contains both facility information and 'pointers' to other sources that contain more detail. EDR includes the following FINDS databases in this report: PCS (Permit Compliance System), AIRS (Aerometric Information Retrieval System), DOCKET (Enforcement Docket used to manage and track information on civil judicial enforcement cases for all environmental statutes), FURS (Federal Underground Injection Control), C-DOCKET (Criminal Docket System used to track criminal enforcement actions for all environmental statutes), FFIS (Federal Facilities Information System), STATE (State Environmental Laws and Statutes), and PADS (PCB Activity Data System).

Date of Government Version: 11/18/2013  
Date Data Arrived at EDR: 02/27/2014  
Date Made Active in Reports: 03/12/2014  
Number of Days to Update: 13

Source: EPA  
Telephone: (415) 947-8000  
Last EDR Contact: 03/14/2014  
Next Scheduled EDR Contact: 06/23/2014  
Data Release Frequency: Quarterly

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## RAATS: RCRA Administrative Action Tracking System

RCRA Administration Action Tracking System. RAATS contains records based on enforcement actions issued under RCRA pertaining to major violators and includes administrative and civil actions brought by the EPA. For administration actions after September 30, 1995, data entry in the RAATS database was discontinued. EPA will retain a copy of the database for historical records. It was necessary to terminate RAATS because a decrease in agency resources made it impossible to continue to update the information contained in the database.

Date of Government Version: 04/17/1995	Source: EPA
Date Data Arrived at EDR: 07/03/1995	Telephone: 202-564-4104
Date Made Active in Reports: 08/07/1995	Last EDR Contact: 06/02/2008
Number of Days to Update: 35	Next Scheduled EDR Contact: 09/01/2008
	Data Release Frequency: No Update Planned

## RMP: Risk Management Plans

When Congress passed the Clean Air Act Amendments of 1990, it required EPA to publish regulations and guidance for chemical accident prevention at facilities using extremely hazardous substances. The Risk Management Program Rule (RMP Rule) was written to implement Section 112(r) of these amendments. The rule, which built upon existing industry codes and standards, requires companies of all sizes that use certain flammable and toxic substances to develop a Risk Management Program, which includes a(n): Hazard assessment that details the potential effects of an accidental release, an accident history of the last five years, and an evaluation of worst-case and alternative accidental releases; Prevention program that includes safety precautions and maintenance, monitoring, and employee training measures; and Emergency response program that spells out emergency health care, employee training measures and procedures for informing the public and response agencies (e.g the fire department) should an accident occur.

Date of Government Version: 11/01/2013	Source: Environmental Protection Agency
Date Data Arrived at EDR: 12/12/2013	Telephone: 202-564-8600
Date Made Active in Reports: 02/13/2014	Last EDR Contact: 04/28/2014
Number of Days to Update: 63	Next Scheduled EDR Contact: 08/11/2014
	Data Release Frequency: Varies

## BRS: Biennial Reporting System

The Biennial Reporting System is a national system administered by the EPA that collects data on the generation and management of hazardous waste. BRS captures detailed data from two groups: Large Quantity Generators (LQG) and Treatment, Storage, and Disposal Facilities.

Date of Government Version: 12/31/2011	Source: EPA/NTIS
Date Data Arrived at EDR: 02/26/2013	Telephone: 800-424-9346
Date Made Active in Reports: 04/19/2013	Last EDR Contact: 05/30/2014
Number of Days to Update: 52	Next Scheduled EDR Contact: 09/08/2014
	Data Release Frequency: Biennially

## CA BOND EXP. PLAN: Bond Expenditure Plan

Department of Health Services developed a site-specific expenditure plan as the basis for an appropriation of Hazardous Substance Cleanup Bond Act funds. It is not updated.

Date of Government Version: 01/01/1989	Source: Department of Health Services
Date Data Arrived at EDR: 07/27/1994	Telephone: 916-255-2118
Date Made Active in Reports: 08/02/1994	Last EDR Contact: 05/31/1994
Number of Days to Update: 6	Next Scheduled EDR Contact: N/A
	Data Release Frequency: No Update Planned

## UIC: UIC Listing

A listing of wells identified as underground injection wells, in the California Oil and Gas Wells database.

Date of Government Version: 01/15/2014	Source: Department of Conservation
Date Data Arrived at EDR: 03/18/2014	Telephone: 916-445-2408
Date Made Active in Reports: 04/24/2014	Last EDR Contact: 03/18/2014
Number of Days to Update: 37	Next Scheduled EDR Contact: 06/30/2014
	Data Release Frequency: Varies

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## NPDES: NPDES Permits Listing

A listing of NPDES permits, including stormwater.

Date of Government Version: 05/19/2014	Source: State Water Resources Control Board
Date Data Arrived at EDR: 05/20/2014	Telephone: 916-445-9379
Date Made Active in Reports: 05/28/2014	Last EDR Contact: 05/20/2014
Number of Days to Update: 8	Next Scheduled EDR Contact: 09/01/2014
	Data Release Frequency: Quarterly

## CORTESE: "Cortese" Hazardous Waste & Substances Sites List

The sites for the list are designated by the State Water Resource Control Board (LUST), the Integrated Waste Board (SWF/LS), and the Department of Toxic Substances Control (Cal-Sites).

Date of Government Version: 03/31/2014	Source: CAL EPA/Office of Emergency Information
Date Data Arrived at EDR: 04/02/2014	Telephone: 916-323-3400
Date Made Active in Reports: 04/29/2014	Last EDR Contact: 04/01/2014
Number of Days to Update: 27	Next Scheduled EDR Contact: 07/14/2014
	Data Release Frequency: Quarterly

## HIST CORTESE: Hazardous Waste & Substance Site List

The sites for the list are designated by the State Water Resource Control Board [LUST], the Integrated Waste Board [SWF/LS], and the Department of Toxic Substances Control [CAL SITES]. This listing is no longer updated by the state agency.

Date of Government Version: 04/01/2001	Source: Department of Toxic Substances Control
Date Data Arrived at EDR: 01/22/2009	Telephone: 916-323-3400
Date Made Active in Reports: 04/08/2009	Last EDR Contact: 01/22/2009
Number of Days to Update: 76	Next Scheduled EDR Contact: N/A
	Data Release Frequency: No Update Planned

## NOTIFY 65: Proposition 65 Records

Listings of all Proposition 65 incidents reported to counties by the State Water Resources Control Board and the Regional Water Quality Control Board. This database is no longer updated by the reporting agency.

Date of Government Version: 10/21/1993	Source: State Water Resources Control Board
Date Data Arrived at EDR: 11/01/1993	Telephone: 916-445-3846
Date Made Active in Reports: 11/19/1993	Last EDR Contact: 04/07/2014
Number of Days to Update: 18	Next Scheduled EDR Contact: 07/07/2014
	Data Release Frequency: No Update Planned

## DRYCLEANERS: Cleaner Facilities

A list of drycleaner related facilities that have EPA ID numbers. These are facilities with certain SIC codes: power laundries, family and commercial; garment pressing and cleaner's agents; linen supply; coin-operated laundries and cleaning; drycleaning plants, except rugs; carpet and upholster cleaning; industrial launderers; laundry and garment services.

Date of Government Version: 09/10/2013	Source: Department of Toxic Substance Control
Date Data Arrived at EDR: 09/11/2013	Telephone: 916-327-4498
Date Made Active in Reports: 10/16/2013	Last EDR Contact: 03/10/2014
Number of Days to Update: 35	Next Scheduled EDR Contact: 06/23/2014
	Data Release Frequency: Annually

## WIP: Well Investigation Program Case List

Well Investigation Program case in the San Gabriel and San Fernando Valley area.

Date of Government Version: 07/03/2009	Source: Los Angeles Water Quality Control Board
Date Data Arrived at EDR: 07/21/2009	Telephone: 213-576-6726
Date Made Active in Reports: 08/03/2009	Last EDR Contact: 03/31/2014
Number of Days to Update: 13	Next Scheduled EDR Contact: 07/14/2014
	Data Release Frequency: Varies

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## ENF: Enforcement Action Listing

A listing of Water Board Enforcement Actions. Formal is everything except Oral/Verbal Communication, Notice of Violation, Expedited Payment Letter, and Staff Enforcement Letter.

Date of Government Version: 02/25/2014	Source: State Water Resources Control Board
Date Data Arrived at EDR: 02/27/2014	Telephone: 916-445-9379
Date Made Active in Reports: 03/18/2014	Last EDR Contact: 04/28/2014
Number of Days to Update: 19	Next Scheduled EDR Contact: 08/11/2014
	Data Release Frequency: Varies

## HAZNET: Facility and Manifest Data

Facility and Manifest Data. The data is extracted from the copies of hazardous waste manifests received each year by the DTSC. The annual volume of manifests is typically 700,000 - 1,000,000 annually, representing approximately 350,000 - 500,000 shipments. Data are from the manifests submitted without correction, and therefore many contain some invalid values for data elements such as generator ID, TSD ID, waste category, and disposal method.

Date of Government Version: 12/31/2012	Source: California Environmental Protection Agency
Date Data Arrived at EDR: 07/16/2013	Telephone: 916-255-1136
Date Made Active in Reports: 08/26/2013	Last EDR Contact: 04/18/2014
Number of Days to Update: 41	Next Scheduled EDR Contact: 07/28/2014
	Data Release Frequency: Annually

## EMI: Emissions Inventory Data

Toxics and criteria pollutant emissions data collected by the ARB and local air pollution agencies.

Date of Government Version: 12/31/2012	Source: California Air Resources Board
Date Data Arrived at EDR: 03/25/2014	Telephone: 916-322-2990
Date Made Active in Reports: 04/28/2014	Last EDR Contact: 03/25/2014
Number of Days to Update: 34	Next Scheduled EDR Contact: 07/07/2014
	Data Release Frequency: Varies

## INDIAN RESERV: Indian Reservations

This map layer portrays Indian administered lands of the United States that have any area equal to or greater than 640 acres.

Date of Government Version: 12/31/2005	Source: USGS
Date Data Arrived at EDR: 12/08/2006	Telephone: 202-208-3710
Date Made Active in Reports: 01/11/2007	Last EDR Contact: 04/18/2014
Number of Days to Update: 34	Next Scheduled EDR Contact: 07/28/2014
	Data Release Frequency: Semi-Annually

## SCRD DRYCLEANERS: State Coalition for Remediation of Drycleaners Listing

The State Coalition for Remediation of Drycleaners was established in 1998, with support from the U.S. EPA Office of Superfund Remediation and Technology Innovation. It is comprised of representatives of states with established drycleaner remediation programs. Currently the member states are Alabama, Connecticut, Florida, Illinois, Kansas, Minnesota, Missouri, North Carolina, Oregon, South Carolina, Tennessee, Texas, and Wisconsin.

Date of Government Version: 03/07/2011	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/09/2011	Telephone: 615-532-8599
Date Made Active in Reports: 05/02/2011	Last EDR Contact: 04/21/2014
Number of Days to Update: 54	Next Scheduled EDR Contact: 08/04/2014
	Data Release Frequency: Varies

## US AIRS MINOR: Air Facility System Data

A listing of minor source facilities.

Date of Government Version: 10/23/2013	Source: EPA
Date Data Arrived at EDR: 11/06/2013	Telephone: 202-564-5962
Date Made Active in Reports: 12/06/2013	Last EDR Contact: 03/31/2014
Number of Days to Update: 30	Next Scheduled EDR Contact: 07/14/2014
	Data Release Frequency: Annually

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## US AIRS (AFS): Aerometric Information Retrieval System Facility Subsystem (AFS)

The database is a sub-system of Aerometric Information Retrieval System (AIRS). AFS contains compliance data on air pollution point sources regulated by the U.S. EPA and/or state and local air regulatory agencies. This information comes from source reports by various stationary sources of air pollution, such as electric power plants, steel mills, factories, and universities, and provides information about the air pollutants they produce. Action, air program, air program pollutant, and general level plant data. It is used to track emissions and compliance data from industrial plants.

Date of Government Version: 10/23/2013	Source: EPA
Date Data Arrived at EDR: 11/06/2013	Telephone: 202-564-5962
Date Made Active in Reports: 12/06/2013	Last EDR Contact: 03/31/2014
Number of Days to Update: 30	Next Scheduled EDR Contact: 07/14/2014
	Data Release Frequency: Annually

## HWP: EnviroStor Permitted Facilities Listing

Detailed information on permitted hazardous waste facilities and corrective action ("cleanups") tracked in EnviroStor.

Date of Government Version: 02/24/2014	Source: Department of Toxic Substances Control
Date Data Arrived at EDR: 02/25/2014	Telephone: 916-323-3400
Date Made Active in Reports: 03/18/2014	Last EDR Contact: 05/28/2014
Number of Days to Update: 21	Next Scheduled EDR Contact: 09/08/2014
	Data Release Frequency: Quarterly

## HWT: Registered Hazardous Waste Transporter Database

A listing of hazardous waste transporters. In California, unless specifically exempted, it is unlawful for any person to transport hazardous wastes unless the person holds a valid registration issued by DTSC. A hazardous waste transporter registration is valid for one year and is assigned a unique registration number.

Date of Government Version: 04/14/2014	Source: Department of Toxic Substances Control
Date Data Arrived at EDR: 04/15/2014	Telephone: 916-440-7145
Date Made Active in Reports: 04/24/2014	Last EDR Contact: 04/15/2014
Number of Days to Update: 9	Next Scheduled EDR Contact: 07/28/2014
	Data Release Frequency: Quarterly

## COAL ASH DOE: Sleam-Electric Plan Operation Data

A listing of power plants that store ash in surface ponds.

Date of Government Version: 12/31/2005	Source: Department of Energy
Date Data Arrived at EDR: 08/07/2009	Telephone: 202-586-8719
Date Made Active in Reports: 10/22/2009	Last EDR Contact: 04/18/2014
Number of Days to Update: 76	Next Scheduled EDR Contact: 07/28/2014
	Data Release Frequency: Varies

## MWMP: Medical Waste Management Program Listing

The Medical Waste Management Program (MWMP) ensures the proper handling and disposal of medical waste by permitting and inspecting medical waste Offsite Treatment Facilities (PDF) and Transfer Stations (PDF) throughout the state. MWMP also oversees all Medical Waste Transporters.

Date of Government Version: 02/21/2014	Source: Department of Public Health
Date Data Arrived at EDR: 03/12/2014	Telephone: 916-558-1784
Date Made Active in Reports: 04/14/2014	Last EDR Contact: 03/10/2014
Number of Days to Update: 33	Next Scheduled EDR Contact: 06/23/2014
	Data Release Frequency: Varies

## FEDLAND: Federal and Indian Lands

Federally and Indian administrated lands of the United States. Lands included are administrated by: Army Corps of Engineers, Bureau of Reclamation, National Wild and Scenic River, National Wildlife Refuge, Public Domain Land, Wilderness, Wilderness Study Area, Wildlife Management Area, Bureau of Indian Affairs, Bureau of Land Management, Department of Justice, Forest Service, Fish and Wildlife Service, National Park Service.

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 12/31/2005  
Date Data Arrived at EDR: 02/06/2006  
Date Made Active in Reports: 01/11/2007  
Number of Days to Update: 339

Source: U.S. Geological Survey  
Telephone: 888-275-8747  
Last EDR Contact: 04/18/2014  
Next Scheduled EDR Contact: 07/28/2014  
Data Release Frequency: N/A

## LEAD SMELTER 2: Lead Smelter Sites

A list of several hundred sites in the U.S. where secondary lead smelting was done from 1931 and 1964. These sites may pose a threat to public health through ingestion or inhalation of contaminated soil or dust

Date of Government Version: 04/05/2001  
Date Data Arrived at EDR: 10/27/2010  
Date Made Active in Reports: 12/02/2010  
Number of Days to Update: 36

Source: American Journal of Public Health  
Telephone: 703-305-6451  
Last EDR Contact: 12/02/2009  
Next Scheduled EDR Contact: N/A  
Data Release Frequency: No Update Planned

## LEAD SMELTER 1: Lead Smelter Sites

A listing of former lead smelter site locations.

Date of Government Version: 01/29/2013  
Date Data Arrived at EDR: 02/14/2013  
Date Made Active in Reports: 02/27/2013  
Number of Days to Update: 13

Source: Environmental Protection Agency  
Telephone: 703-603-8787  
Last EDR Contact: 04/04/2014  
Next Scheduled EDR Contact: 07/21/2014  
Data Release Frequency: Varies

## WDS: Waste Discharge System

Sites which have been issued waste discharge requirements.

Date of Government Version: 06/19/2007  
Date Data Arrived at EDR: 06/20/2007  
Date Made Active in Reports: 06/29/2007  
Number of Days to Update: 9

Source: State Water Resources Control Board  
Telephone: 916-341-5227  
Last EDR Contact: 05/22/2014  
Next Scheduled EDR Contact: 09/08/2014  
Data Release Frequency: Quarterly

## 2020 COR ACTION: 2020 Corrective Action Program List

The EPA has set ambitious goals for the RCRA Corrective Action program by creating the 2020 Corrective Action Universe. This RCRA cleanup baseline includes facilities expected to need corrective action. The 2020 universe contains a wide variety of sites. Some properties are heavily contaminated while others were contaminated but have since been cleaned up. Still others have not been fully investigated yet, and may require little or no remediation. Inclusion in the 2020 Universe does not necessarily imply failure on the part of a facility to meet its RCRA obligations.

Date of Government Version: 11/11/2011  
Date Data Arrived at EDR: 05/18/2012  
Date Made Active in Reports: 05/25/2012  
Number of Days to Update: 7

Source: Environmental Protection Agency  
Telephone: 703-308-4044  
Last EDR Contact: 05/16/2014  
Next Scheduled EDR Contact: 08/25/2014  
Data Release Frequency: Varies

## PRP: Potentially Responsible Parties

A listing of verified Potentially Responsible Parties

Date of Government Version: 04/15/2013  
Date Data Arrived at EDR: 07/03/2013  
Date Made Active in Reports: 09/13/2013  
Number of Days to Update: 72

Source: EPA  
Telephone: 202-564-6023  
Last EDR Contact: 04/04/2014  
Next Scheduled EDR Contact: 07/14/2014  
Data Release Frequency: Quarterly

## EPA WATCH LIST: EPA WATCH LIST

EPA maintains a "Watch List" to facilitate dialogue between EPA, state and local environmental agencies on enforcement matters relating to facilities with alleged violations identified as either significant or high priority. Being on the Watch List does not mean that the facility has actually violated the law only that an investigation by EPA or a state or local environmental agency has led those organizations to allege that an unproven violation has in fact occurred. Being on the Watch List does not represent a higher level of concern regarding the alleged violations that were detected, but instead indicates cases requiring additional dialogue between EPA, state and local agencies - primarily because of the length of time the alleged violation has gone unaddressed or unresolved.

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 06/30/2013  
Date Data Arrived at EDR: 08/13/2013  
Date Made Active in Reports: 09/13/2013  
Number of Days to Update: 31

Source: Environmental Protection Agency  
Telephone: 617-520-3000  
Last EDR Contact: 05/16/2014  
Next Scheduled EDR Contact: 08/25/2014  
Data Release Frequency: Quarterly

PROC: Certified Processors Database  
A listing of certified processors.

Date of Government Version: 03/17/2014  
Date Data Arrived at EDR: 03/18/2014  
Date Made Active in Reports: 04/24/2014  
Number of Days to Update: 37

Source: Department of Conservation  
Telephone: 916-323-3836  
Last EDR Contact: 03/18/2014  
Next Scheduled EDR Contact: 06/30/2014  
Data Release Frequency: Quarterly

Financial Assurance 2: Financial Assurance Information Listing

A listing of financial assurance information for solid waste facilities. Financial assurance is intended to ensure that resources are available to pay for the cost of closure, post-closure care, and corrective measures if the owner or operator of a regulated facility is unable or unwilling to pay.

Date of Government Version: 05/19/2014  
Date Data Arrived at EDR: 05/20/2014  
Date Made Active in Reports: 05/22/2014  
Number of Days to Update: 2

Source: California Integrated Waste Management Board  
Telephone: 916-341-6066  
Last EDR Contact: 05/19/2014  
Next Scheduled EDR Contact: 09/01/2014  
Data Release Frequency: Varies

Financial Assurance 1: Financial Assurance Information Listing  
Financial Assurance information

Date of Government Version: 05/05/2014  
Date Data Arrived at EDR: 05/14/2014  
Date Made Active in Reports: 05/22/2014  
Number of Days to Update: 8

Source: Department of Toxic Substances Control  
Telephone: 916-255-3628  
Last EDR Contact: 04/28/2014  
Next Scheduled EDR Contact: 08/11/2014  
Data Release Frequency: Varies

PCB TRANSFORMER: PCB Transformer Registration Database

The database of PCB transformer registrations that includes all PCB registration submittals.

Date of Government Version: 02/01/2011  
Date Data Arrived at EDR: 10/19/2011  
Date Made Active in Reports: 01/10/2012  
Number of Days to Update: 83

Source: Environmental Protection Agency  
Telephone: 202-566-0517  
Last EDR Contact: 05/02/2014  
Next Scheduled EDR Contact: 08/11/2014  
Data Release Frequency: Varies

COAL ASH EPA: Coal Combustion Residues Surface Impoundments List

A listing of coal combustion residues surface impoundments with high hazard potential ratings.

Date of Government Version: 08/17/2010  
Date Data Arrived at EDR: 01/03/2011  
Date Made Active in Reports: 03/21/2011  
Number of Days to Update: 77

Source: Environmental Protection Agency  
Telephone: N/A  
Last EDR Contact: 03/11/2014  
Next Scheduled EDR Contact: 06/23/2014  
Data Release Frequency: Varies

US FIN ASSUR: Financial Assurance Information

All owners and operators of facilities that treat, store, or dispose of hazardous waste are required to provide proof that they will have sufficient funds to pay for the clean up, closure, and post-closure care of their facilities.

Date of Government Version: 02/25/2014  
Date Data Arrived at EDR: 02/27/2014  
Date Made Active in Reports: 04/09/2014  
Number of Days to Update: 41

Source: Environmental Protection Agency  
Telephone: 202-566-1917  
Last EDR Contact: 05/16/2014  
Next Scheduled EDR Contact: 09/01/2014  
Data Release Frequency: Quarterly



# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## EDR HIGH RISK HISTORICAL RECORDS

### *EDR Exclusive Records*

#### EDR MGP: EDR Proprietary Manufactured Gas Plants

The EDR Proprietary Manufactured Gas Plant Database includes records of coal gas plants (manufactured gas plants) compiled by EDR's researchers. Manufactured gas sites were used in the United States from the 1800's to 1950's to produce a gas that could be distributed and used as fuel. These plants used whale oil, rosin, coal, or a mixture of coal, oil, and water that also produced a significant amount of waste. Many of the byproducts of the gas production, such as coal tar (oily waste containing volatile and non-volatile chemicals), sludges, oils and other compounds are potentially hazardous to human health and the environment. The byproduct from this process was frequently disposed of directly at the plant site and can remain or spread slowly, serving as a continuous source of soil and groundwater contamination.

Date of Government Version: N/A  
Date Data Arrived at EDR: N/A  
Date Made Active in Reports: N/A  
Number of Days to Update: N/A

Source: EDR, Inc.  
Telephone: N/A  
Last EDR Contact: N/A  
Next Scheduled EDR Contact: N/A  
Data Release Frequency: No Update Planned

#### EDR US Hist Auto Stat: EDR Exclusive Historic Gas Stations

EDR has searched selected national collections of business directories and has collected listings of potential gas station/filling station/service station sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include gas station/filling station/service station establishments. The categories reviewed included, but were not limited to gas, gas station, gasoline station, filling station, auto, automobile repair, auto service station, service station, etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

Date of Government Version: N/A  
Date Data Arrived at EDR: N/A  
Date Made Active in Reports: N/A  
Number of Days to Update: N/A

Source: EDR, Inc.  
Telephone: N/A  
Last EDR Contact: N/A  
Next Scheduled EDR Contact: N/A  
Data Release Frequency: Varies

#### EDR US Hist Cleaners: EDR Exclusive Historic Dry Cleaners

EDR has searched selected national collections of business directories and has collected listings of potential dry cleaner sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include dry cleaning establishments. The categories reviewed included, but were not limited to dry cleaners, cleaners, laundry, laundromat, cleaning/laundry, wash & dry etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

Date of Government Version: N/A  
Date Data Arrived at EDR: N/A  
Date Made Active in Reports: N/A  
Number of Days to Update: N/A

Source: EDR, Inc.  
Telephone: N/A  
Last EDR Contact: N/A  
Next Scheduled EDR Contact: N/A  
Data Release Frequency: Varies

#### EDR US Hist Cleaners: EDR Proprietary Historic Dry Cleaners - Cole

Date of Government Version: N/A  
Date Data Arrived at EDR: N/A  
Date Made Active in Reports: N/A  
Number of Days to Update: N/A

Source: N/A  
Telephone: N/A  
Last EDR Contact: N/A  
Next Scheduled EDR Contact: N/A  
Data Release Frequency: Varies

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

EDR US Hist Auto Stat: EDR Proprietary Historic Gas Stations - Cole

Date of Government Version: N/A	Source: N/A
Date Data Arrived at EDR: N/A	Telephone: N/A
Date Made Active in Reports: N/A	Last EDR Contact: N/A
Number of Days to Update: N/A	Next Scheduled EDR Contact: N/A
	Data Release Frequency: Varies

## **EDR RECOVERED GOVERNMENT ARCHIVES**

### ***Exclusive Recovered Govt. Archives***

RGA LF: Recovered Government Archive Solid Waste Facilities List

The EDR Recovered Government Archive Landfill database provides a list of landfills derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the Department of Resources Recycling and Recovery in California.

Date of Government Version: N/A	Source: Department of Resources Recycling and Recovery
Date Data Arrived at EDR: 07/01/2013	Telephone: N/A
Date Made Active in Reports: 01/13/2014	Last EDR Contact: 06/01/2012
Number of Days to Update: 196	Next Scheduled EDR Contact: N/A
	Data Release Frequency: Varies

RGA LUST: Recovered Government Archive Leaking Underground Storage Tank

The EDR Recovered Government Archive Leaking Underground Storage Tank database provides a list of LUST incidents derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the State Water Resources Control Board in California.

Date of Government Version: N/A	Source: State Water Resources Control Board
Date Data Arrived at EDR: 07/01/2013	Telephone: N/A
Date Made Active in Reports: 12/30/2013	Last EDR Contact: 06/01/2012
Number of Days to Update: 182	Next Scheduled EDR Contact: N/A
	Data Release Frequency: Varies

## **COUNTY RECORDS**

ALAMEDA COUNTY:

### **Contaminated Sites**

A listing of contaminated sites overseen by the Toxic Release Program (oil and groundwater contamination from chemical releases and spills) and the Leaking Underground Storage Tank Program (soil and ground water contamination from leaking petroleum USTs).

Date of Government Version: 04/22/2014	Source: Alameda County Environmental Health Services
Date Data Arrived at EDR: 04/24/2014	Telephone: 510-567-6700
Date Made Active in Reports: 05/09/2014	Last EDR Contact: 03/31/2014
Number of Days to Update: 15	Next Scheduled EDR Contact: 07/14/2014
	Data Release Frequency: Semi-Annually

### **Underground Tanks**

Underground storage tank sites located in Alameda county.

Date of Government Version: 04/22/2014	Source: Alameda County Environmental Health Services
Date Data Arrived at EDR: 04/24/2014	Telephone: 510-567-6700
Date Made Active in Reports: 05/12/2014	Last EDR Contact: 03/31/2014
Number of Days to Update: 18	Next Scheduled EDR Contact: 07/14/2014
	Data Release Frequency: Semi-Annually

AMADOR COUNTY:

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## CUPA Facility List

### Cupa Facility List

Date of Government Version: 03/24/2014  
Date Data Arrived at EDR: 03/24/2014  
Date Made Active in Reports: 04/30/2014  
Number of Days to Update: 37

Source: Amador County Environmental Health  
Telephone: 209-223-6439  
Last EDR Contact: 03/24/2014  
Next Scheduled EDR Contact: 06/23/2014  
Data Release Frequency: Varies

## BUTTE COUNTY:

### CUPA Facility Listing

#### Cupa facility list.

Date of Government Version: 08/01/2013  
Date Data Arrived at EDR: 08/02/2013  
Date Made Active in Reports: 08/22/2013  
Number of Days to Update: 20

Source: Public Health Department  
Telephone: 530-538-7149  
Last EDR Contact: 04/10/2014  
Next Scheduled EDR Contact: 07/28/2014  
Data Release Frequency: No Update Planned

## CALVERAS COUNTY:

### CUPA Facility Listing

#### Cupa Facility Listing

Date of Government Version: 04/01/2014  
Date Data Arrived at EDR: 04/03/2014  
Date Made Active in Reports: 04/29/2014  
Number of Days to Update: 26

Source: Calveras County Environmental Health  
Telephone: 209-754-6399  
Last EDR Contact: 03/31/2014  
Next Scheduled EDR Contact: 07/14/2014  
Data Release Frequency: Quarterly

## COLUSA COUNTY:

### CUPA Facility List

#### Cupa facility list.

Date of Government Version: 12/05/2013  
Date Data Arrived at EDR: 12/05/2013  
Date Made Active in Reports: 01/27/2014  
Number of Days to Update: 53

Source: Health & Human Services  
Telephone: 530-458-0396  
Last EDR Contact: 05/30/2014  
Next Scheduled EDR Contact: 08/25/2014  
Data Release Frequency: Varies

## CONTRA COSTA COUNTY:

### Site List

List includes sites from the underground tank, hazardous waste generator and business plan/2185 programs.

Date of Government Version: 02/24/2014  
Date Data Arrived at EDR: 02/25/2014  
Date Made Active in Reports: 03/18/2014  
Number of Days to Update: 21

Source: Contra Costa Health Services Department  
Telephone: 925-646-2286  
Last EDR Contact: 05/05/2014  
Next Scheduled EDR Contact: 08/18/2014  
Data Release Frequency: Semi-Annually

## DEL NORTE COUNTY:

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## CUPA Facility List

Cupa Facility list

Date of Government Version: 05/05/2014  
Date Data Arrived at EDR: 05/06/2014  
Date Made Active in Reports: 05/13/2014  
Number of Days to Update: 7

Source: Del Norte County Environmental Health Division  
Telephone: 707-465-0426  
Last EDR Contact: 05/05/2014  
Next Scheduled EDR Contact: 08/18/2014  
Data Release Frequency: Varies

## EL DORADO COUNTY:

### CUPA Facility List

CUPA facility list.

Date of Government Version: 02/20/2014  
Date Data Arrived at EDR: 02/21/2014  
Date Made Active in Reports: 03/20/2014  
Number of Days to Update: 27

Source: El Dorado County Environmental Management Department  
Telephone: 530-621-6623  
Last EDR Contact: 05/05/2014  
Next Scheduled EDR Contact: 08/18/2014  
Data Release Frequency: Varies

## FRESNO COUNTY:

### CUPA Resources List

Certified Unified Program Agency. CUPA's are responsible for implementing a unified hazardous materials and hazardous waste management regulatory program. The agency provides oversight of businesses that deal with hazardous materials, operate underground storage tanks or aboveground storage tanks.

Date of Government Version: 03/31/2014  
Date Data Arrived at EDR: 04/15/2014  
Date Made Active in Reports: 05/01/2014  
Number of Days to Update: 16

Source: Dept. of Community Health  
Telephone: 559-445-3271  
Last EDR Contact: 04/14/2014  
Next Scheduled EDR Contact: 07/28/2014  
Data Release Frequency: Semi-Annually

## HUMBOLDT COUNTY:

### CUPA Facility List

CUPA facility list.

Date of Government Version: 03/20/2014  
Date Data Arrived at EDR: 03/21/2014  
Date Made Active in Reports: 04/28/2014  
Number of Days to Update: 38

Source: Humboldt County Environmental Health  
Telephone: N/A  
Last EDR Contact: 05/22/2014  
Next Scheduled EDR Contact: 09/08/2014  
Data Release Frequency: Varies

## IMPERIAL COUNTY:

### CUPA Facility List

Cupa facility list.

Date of Government Version: 04/28/2014  
Date Data Arrived at EDR: 04/30/2014  
Date Made Active in Reports: 05/13/2014  
Number of Days to Update: 13

Source: San Diego Border Field Office  
Telephone: 760-339-2777  
Last EDR Contact: 04/28/2014  
Next Scheduled EDR Contact: 08/11/2014  
Data Release Frequency: Varies

## INYO COUNTY:

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## CUPA Facility List

Cupa facility list.

Date of Government Version: 09/10/2013  
Date Data Arrived at EDR: 09/11/2013  
Date Made Active in Reports: 10/14/2013  
Number of Days to Update: 33

Source: Inyo County Environmental Health Services  
Telephone: 760-878-0238  
Last EDR Contact: 05/22/2014  
Next Scheduled EDR Contact: 09/08/2014  
Data Release Frequency: Varies

## KERN COUNTY:

### Underground Storage Tank Sites & Tank Listing Kern County Sites and Tanks Listing.

Date of Government Version: 08/31/2010  
Date Data Arrived at EDR: 09/01/2010  
Date Made Active in Reports: 09/30/2010  
Number of Days to Update: 29

Source: Kern County Environment Health Services Department  
Telephone: 661-862-8700  
Last EDR Contact: 05/12/2014  
Next Scheduled EDR Contact: 08/25/2014  
Data Release Frequency: Quarterly

## KINGS COUNTY:

### CUPA Facility List

A listing of sites included in the county's Certified Unified Program Agency database. California's Secretary for Environmental Protection established the unified hazardous materials and hazardous waste regulatory program as required by chapter 6.11 of the California Health and Safety Code. The Unified Program consolidates the administration, permits, inspections, and enforcement activities.

Date of Government Version: 02/25/2014  
Date Data Arrived at EDR: 02/27/2014  
Date Made Active in Reports: 03/20/2014  
Number of Days to Update: 21

Source: Kings County Department of Public Health  
Telephone: 559-584-1411  
Last EDR Contact: 05/27/2014  
Next Scheduled EDR Contact: 09/08/2014  
Data Release Frequency: Varies

## LAKE COUNTY:

### CUPA Facility List

Cupa facility list

Date of Government Version: 04/22/2014  
Date Data Arrived at EDR: 04/24/2014  
Date Made Active in Reports: 05/13/2014  
Number of Days to Update: 19

Source: Lake County Environmental Health  
Telephone: 707-263-1164  
Last EDR Contact: 04/21/2014  
Next Scheduled EDR Contact: 08/04/2014  
Data Release Frequency: Varies

## LOS ANGELES COUNTY:

### San Gabriel Valley Areas of Concern

San Gabriel Valley areas where VOC contamination is at or above the MCL as designated by region 9 EPA office.

Date of Government Version: 03/30/2009  
Date Data Arrived at EDR: 03/31/2009  
Date Made Active in Reports: 10/23/2009  
Number of Days to Update: 206

Source: EPA Region 9  
Telephone: 415-972-3178  
Last EDR Contact: 03/24/2014  
Next Scheduled EDR Contact: 07/07/2014  
Data Release Frequency: No Update Planned

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## HMS: Street Number List

Industrial Waste and Underground Storage Tank Sites.

Date of Government Version: 12/06/2013	Source: Department of Public Works
Date Data Arrived at EDR: 01/28/2014	Telephone: 626-458-3517
Date Made Active in Reports: 03/17/2014	Last EDR Contact: 04/02/2014
Number of Days to Update: 48	Next Scheduled EDR Contact: 07/28/2014
	Data Release Frequency: Semi-Annually

## List of Solid Waste Facilities

Solid Waste Facilities in Los Angeles County.

Date of Government Version: 04/21/2014	Source: La County Department of Public Works
Date Data Arrived at EDR: 04/22/2014	Telephone: 818-458-5185
Date Made Active in Reports: 05/19/2014	Last EDR Contact: 04/22/2014
Number of Days to Update: 27	Next Scheduled EDR Contact: 08/04/2014
	Data Release Frequency: Varies

## City of Los Angeles Landfills

Landfills owned and maintained by the City of Los Angeles.

Date of Government Version: 03/05/2009	Source: Engineering & Construction Division
Date Data Arrived at EDR: 03/10/2009	Telephone: 213-473-7869
Date Made Active in Reports: 04/08/2009	Last EDR Contact: 04/17/2014
Number of Days to Update: 29	Next Scheduled EDR Contact: 08/04/2014
	Data Release Frequency: Varies

## Site Mitigation List

Industrial sites that have had some sort of spill or complaint.

Date of Government Version: 01/07/2014	Source: Community Health Services
Date Data Arrived at EDR: 02/25/2014	Telephone: 323-890-7806
Date Made Active in Reports: 03/25/2014	Last EDR Contact: 04/17/2014
Number of Days to Update: 28	Next Scheduled EDR Contact: 08/04/2014
	Data Release Frequency: Annually

## City of El Segundo Underground Storage Tank

Underground storage tank sites located in El Segundo city.

Date of Government Version: 04/23/2014	Source: City of El Segundo Fire Department
Date Data Arrived at EDR: 04/25/2014	Telephone: 310-524-2236
Date Made Active in Reports: 05/22/2014	Last EDR Contact: 04/21/2014
Number of Days to Update: 27	Next Scheduled EDR Contact: 08/04/2014
	Data Release Frequency: Semi-Annually

## City of Long Beach Underground Storage Tank

Underground storage tank sites located in the city of Long Beach.

Date of Government Version: 02/25/2014	Source: City of Long Beach Fire Department
Date Data Arrived at EDR: 02/27/2014	Telephone: 562-570-2563
Date Made Active in Reports: 04/14/2014	Last EDR Contact: 04/28/2014
Number of Days to Update: 46	Next Scheduled EDR Contact: 08/11/2014
	Data Release Frequency: Annually

## City of Torrance Underground Storage Tank

Underground storage tank sites located in the city of Torrance.

Date of Government Version: 01/13/2014	Source: City of Torrance Fire Department
Date Data Arrived at EDR: 03/27/2014	Telephone: 310-618-2973
Date Made Active in Reports: 04/28/2014	Last EDR Contact: 04/14/2014
Number of Days to Update: 32	Next Scheduled EDR Contact: 07/28/2014
	Data Release Frequency: Semi-Annually

MADERA COUNTY:

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## CUPA Facility List

A listing of sites included in the county's Certified Unified Program Agency database. California's Secretary for Environmental Protection established the unified hazardous materials and hazardous waste regulatory program as required by chapter 6.11 of the California Health and Safety Code. The Unified Program consolidates the administration, permits, inspections, and enforcement activities.

Date of Government Version: 03/26/2014  
Date Data Arrived at EDR: 03/27/2014  
Date Made Active in Reports: 04/29/2014  
Number of Days to Update: 33

Source: Madera County Environmental Health  
Telephone: 559-675-7823  
Last EDR Contact: 05/02/2014  
Next Scheduled EDR Contact: 09/08/2014  
Data Release Frequency: Varies

## MARIN COUNTY:

### Underground Storage Tank Sites

Currently permitted USTs in Marin County.

Date of Government Version: 01/03/2014  
Date Data Arrived at EDR: 01/09/2014  
Date Made Active in Reports: 02/12/2014  
Number of Days to Update: 34

Source: Public Works Department Waste Management  
Telephone: 415-499-6647  
Last EDR Contact: 04/07/2014  
Next Scheduled EDR Contact: 07/21/2014  
Data Release Frequency: Semi-Annually

## MERCED COUNTY:

### CUPA Facility List

CUPA facility list.

Date of Government Version: 03/10/2014  
Date Data Arrived at EDR: 03/11/2014  
Date Made Active in Reports: 04/10/2014  
Number of Days to Update: 30

Source: Merced County Environmental Health  
Telephone: 209-381-1094  
Last EDR Contact: 05/27/2014  
Next Scheduled EDR Contact: 09/08/2014  
Data Release Frequency: Varies

## MONO COUNTY:

### CUPA Facility List

CUPA Facility List

Date of Government Version: 03/03/2014  
Date Data Arrived at EDR: 03/04/2014  
Date Made Active in Reports: 04/01/2014  
Number of Days to Update: 28

Source: Mono County Health Department  
Telephone: 760-932-5580  
Last EDR Contact: 03/03/2014  
Next Scheduled EDR Contact: 06/16/2014  
Data Release Frequency: Varies

## MONTEREY COUNTY:

### CUPA Facility Listing

CUPA Program listing from the Environmental Health Division.

Date of Government Version: 03/18/2014  
Date Data Arrived at EDR: 03/20/2014  
Date Made Active in Reports: 04/25/2014  
Number of Days to Update: 36

Source: Monterey County Health Department  
Telephone: 831-796-1297  
Last EDR Contact: 05/22/2014  
Next Scheduled EDR Contact: 09/08/2014  
Data Release Frequency: Varies

## NAPA COUNTY:

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## Sites With Reported Contamination

A listing of leaking underground storage tank sites located in Napa county.

Date of Government Version: 12/05/2011  
Date Data Arrived at EDR: 12/06/2011  
Date Made Active in Reports: 02/07/2012  
Number of Days to Update: 63

Source: Napa County Department of Environmental Management  
Telephone: 707-253-4269  
Last EDR Contact: 05/30/2014  
Next Scheduled EDR Contact: 09/15/2014  
Data Release Frequency: No Update Planned

## Closed and Operating Underground Storage Tank Sites

Underground storage tank sites located in Napa county.

Date of Government Version: 01/15/2008  
Date Data Arrived at EDR: 01/16/2008  
Date Made Active in Reports: 02/08/2008  
Number of Days to Update: 23

Source: Napa County Department of Environmental Management  
Telephone: 707-253-4269  
Last EDR Contact: 05/30/2014  
Next Scheduled EDR Contact: 09/15/2014  
Data Release Frequency: No Update Planned

## NEVADA COUNTY:

### CUPA Facility List

CUPA facility list.

Date of Government Version: 11/06/2013  
Date Data Arrived at EDR: 11/07/2013  
Date Made Active in Reports: 12/04/2013  
Number of Days to Update: 27

Source: Community Development Agency  
Telephone: 530-265-1467  
Last EDR Contact: 05/13/2014  
Next Scheduled EDR Contact: 08/18/2014  
Data Release Frequency: Varies

## ORANGE COUNTY:

### List of Industrial Site Cleanups

Petroleum and non-petroleum spills.

Date of Government Version: 05/01/2014  
Date Data Arrived at EDR: 05/15/2014  
Date Made Active in Reports: 05/22/2014  
Number of Days to Update: 7

Source: Health Care Agency  
Telephone: 714-834-3446  
Last EDR Contact: 05/07/2014  
Next Scheduled EDR Contact: 08/28/2014  
Data Release Frequency: Annually

### List of Underground Storage Tank Cleanups

Orange County Underground Storage Tank Cleanups (LUST).

Date of Government Version: 05/01/2014  
Date Data Arrived at EDR: 05/15/2014  
Date Made Active in Reports: 05/28/2014  
Number of Days to Update: 13

Source: Health Care Agency  
Telephone: 714-834-3446  
Last EDR Contact: 05/07/2014  
Next Scheduled EDR Contact: 08/25/2014  
Data Release Frequency: Quarterly

### List of Underground Storage Tank Facilities

Orange County Underground Storage Tank Facilities (UST).

Date of Government Version: 05/01/2014  
Date Data Arrived at EDR: 05/14/2014  
Date Made Active in Reports: 05/21/2014  
Number of Days to Update: 7

Source: Health Care Agency  
Telephone: 714-834-3446  
Last EDR Contact: 05/07/2014  
Next Scheduled EDR Contact: 08/25/2014  
Data Release Frequency: Quarterly

## PLACER COUNTY:



# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## Master List of Facilities

List includes aboveground tanks, underground tanks and cleanup sites.

Date of Government Version: 03/10/2014  
Date Data Arrived at EDR: 03/11/2014  
Date Made Active in Reports: 04/10/2014  
Number of Days to Update: 30

Source: Placer County Health and Human Services  
Telephone: 530-745-2363  
Last EDR Contact: 03/10/2014  
Next Scheduled EDR Contact: 06/23/2014  
Data Release Frequency: Semi-Annually

## RIVERSIDE COUNTY:

### Listing of Underground Tank Cleanup Sites

Riverside County Underground Storage Tank Cleanup Sites (LUST).

Date of Government Version: 04/15/2014  
Date Data Arrived at EDR: 04/17/2014  
Date Made Active in Reports: 04/24/2014  
Number of Days to Update: 7

Source: Department of Environmental Health  
Telephone: 951-358-5055  
Last EDR Contact: 03/02/2014  
Next Scheduled EDR Contact: 07/07/2014  
Data Release Frequency: Quarterly

### Underground Storage Tank Tank List

Underground storage tank sites located in Riverside county.

Date of Government Version: 04/15/2014  
Date Data Arrived at EDR: 04/17/2014  
Date Made Active in Reports: 05/09/2014  
Number of Days to Update: 22

Source: Department of Environmental Health  
Telephone: 951-358-5055  
Last EDR Contact: 03/24/2014  
Next Scheduled EDR Contact: 07/07/2014  
Data Release Frequency: Quarterly

## SACRAMENTO COUNTY:

### Toxic Site Clean-Up List

List of sites where unauthorized releases of potentially hazardous materials have occurred.

Date of Government Version: 02/06/2014  
Date Data Arrived at EDR: 04/08/2014  
Date Made Active in Reports: 04/29/2014  
Number of Days to Update: 21

Source: Sacramento County Environmental Management  
Telephone: 916-875-8406  
Last EDR Contact: 04/04/2014  
Next Scheduled EDR Contact: 07/21/2014  
Data Release Frequency: Quarterly

### Master Hazardous Materials Facility List

Any business that has hazardous materials on site - hazardous material storage sites, underground storage tanks, waste generators.

Date of Government Version: 02/06/2014  
Date Data Arrived at EDR: 04/08/2014  
Date Made Active in Reports: 04/29/2014  
Number of Days to Update: 21

Source: Sacramento County Environmental Management  
Telephone: 916-875-8406  
Last EDR Contact: 04/04/2014  
Next Scheduled EDR Contact: 07/21/2014  
Data Release Frequency: Quarterly

## SAN BERNARDINO COUNTY:

### Hazardous Material Permits

This listing includes underground storage tanks, medical waste handlers/generators, hazardous materials handlers, hazardous waste generators, and waste oil generators/handlers.

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 03/18/2014  
Date Data Arrived at EDR: 03/21/2014  
Date Made Active in Reports: 04/25/2014  
Number of Days to Update: 35

Source: San Bernardino County Fire Department Hazardous Materials Division  
Telephone: 909-387-3041  
Last EDR Contact: 05/12/2014  
Next Scheduled EDR Contact: 08/25/2014  
Data Release Frequency: Quarterly

## SAN DIEGO COUNTY:

### Hazardous Materials Management Division Database

The database includes: HE58 - This report contains the business name, site address, business phone number, establishment 'H' permit number, type of permit, and the business status. HE17 - In addition to providing the same information provided in the HE58 listing, HE17 provides inspection dates, violations received by the establishment, hazardous waste generated, the quantity, method of storage, treatment/disposal of waste and the hauler, and information on underground storage tanks. Unauthorized Release List - Includes a summary of environmental contamination cases in San Diego County (underground tank cases, non-tank cases, groundwater contamination, and soil contamination are included.)

Date of Government Version: 09/23/2013  
Date Data Arrived at EDR: 09/24/2013  
Date Made Active in Reports: 10/17/2013  
Number of Days to Update: 23

Source: Hazardous Materials Management Division  
Telephone: 619-338-2268  
Last EDR Contact: 03/10/2014  
Next Scheduled EDR Contact: 06/23/2014  
Data Release Frequency: Quarterly

### Solid Waste Facilities

San Diego County Solid Waste Facilities.

Date of Government Version: 10/31/2013  
Date Data Arrived at EDR: 11/19/2013  
Date Made Active in Reports: 12/31/2013  
Number of Days to Update: 42

Source: Department of Health Services  
Telephone: 619-338-2209  
Last EDR Contact: 04/28/2014  
Next Scheduled EDR Contact: 08/11/2014  
Data Release Frequency: Varies

### Environmental Case Listing

The listing contains all underground tank release cases and projects pertaining to properties contaminated with hazardous substances that are actively under review by the Site Assessment and Mitigation Program.

Date of Government Version: 03/23/2010  
Date Data Arrived at EDR: 06/15/2010  
Date Made Active in Reports: 07/09/2010  
Number of Days to Update: 24

Source: San Diego County Department of Environmental Health  
Telephone: 619-338-2371  
Last EDR Contact: 03/10/2014  
Next Scheduled EDR Contact: 06/23/2014  
Data Release Frequency: No Update Planned

## SAN FRANCISCO COUNTY:

### Local Oversight Facilities

A listing of leaking underground storage tank sites located in San Francisco county.

Date of Government Version: 09/19/2008  
Date Data Arrived at EDR: 09/19/2008  
Date Made Active in Reports: 09/29/2008  
Number of Days to Update: 10

Source: Department Of Public Health San Francisco County  
Telephone: 415-252-3920  
Last EDR Contact: 05/09/2014  
Next Scheduled EDR Contact: 08/25/2014  
Data Release Frequency: Quarterly

### Underground Storage Tank Information

Underground storage tank sites located in San Francisco county.

Date of Government Version: 11/29/2010  
Date Data Arrived at EDR: 03/10/2011  
Date Made Active in Reports: 03/15/2011  
Number of Days to Update: 5

Source: Department of Public Health  
Telephone: 415-252-3920  
Last EDR Contact: 05/09/2014  
Next Scheduled EDR Contact: 08/25/2014  
Data Release Frequency: Quarterly

## SAN JOAQUIN COUNTY:

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## San Joaquin Co. UST

A listing of underground storage tank locations in San Joaquin county.

Date of Government Version: 04/10/2014  
Date Data Arrived at EDR: 04/11/2014  
Date Made Active in Reports: 04/29/2014  
Number of Days to Update: 18

Source: Environmental Health Department  
Telephone: N/A  
Last EDR Contact: 04/07/2014  
Next Scheduled EDR Contact: 07/07/2014  
Data Release Frequency: Semi-Annually

## SAN LUIS OBISPO COUNTY:

### CUPA Facility List

Cupa Facility List.

Date of Government Version: 02/24/2014  
Date Data Arrived at EDR: 02/26/2014  
Date Made Active in Reports: 03/26/2014  
Number of Days to Update: 28

Source: San Luis Obispo County Public Health Department  
Telephone: 805-781-5596  
Last EDR Contact: 05/27/2014  
Next Scheduled EDR Contact: 09/08/2014  
Data Release Frequency: Varies

## SAN MATEO COUNTY:

### Business Inventory

List includes Hazardous Materials Business Plan, hazardous waste generators, and underground storage tanks.

Date of Government Version: 04/03/2014  
Date Data Arrived at EDR: 04/04/2014  
Date Made Active in Reports: 05/01/2014  
Number of Days to Update: 27

Source: San Mateo County Environmental Health Services Division  
Telephone: 650-363-1921  
Last EDR Contact: 03/17/2014  
Next Scheduled EDR Contact: 06/30/2014  
Data Release Frequency: Annually

### Fuel Leak List

A listing of leaking underground storage tank sites located in San Mateo county.

Date of Government Version: 03/17/2014  
Date Data Arrived at EDR: 03/18/2014  
Date Made Active in Reports: 04/24/2014  
Number of Days to Update: 37

Source: San Mateo County Environmental Health Services Division  
Telephone: 650-363-1921  
Last EDR Contact: 03/17/2014  
Next Scheduled EDR Contact: 06/30/2014  
Data Release Frequency: Semi-Annually

## SANTA BARBARA COUNTY:

### CUPA Facility Listing

CUPA Program Listing from the Environmental Health Services division.

Date of Government Version: 09/08/2011  
Date Data Arrived at EDR: 09/09/2011  
Date Made Active in Reports: 10/07/2011  
Number of Days to Update: 28

Source: Santa Barbara County Public Health Department  
Telephone: 805-686-8167  
Last EDR Contact: 05/22/2014  
Next Scheduled EDR Contact: 09/08/2014  
Data Release Frequency: Varies

## SANTA CLARA COUNTY:

### Cupa Facility List

Cupa facility list

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 03/04/2014  
Date Data Arrived at EDR: 03/06/2014  
Date Made Active in Reports: 03/20/2014  
Number of Days to Update: 14

Source: Department of Environmental Health  
Telephone: 408-918-1973  
Last EDR Contact: 03/03/2014  
Next Scheduled EDR Contact: 06/16/2014  
Data Release Frequency: Varies

## HIST LUST - Fuel Leak Site Activity Report

A listing of open and closed leaking underground storage tanks. This listing is no longer updated by the county. Leaking underground storage tanks are now handled by the Department of Environmental Health.

Date of Government Version: 03/29/2005  
Date Data Arrived at EDR: 03/30/2005  
Date Made Active in Reports: 04/21/2005  
Number of Days to Update: 22

Source: Santa Clara Valley Water District  
Telephone: 408-265-2600  
Last EDR Contact: 03/23/2009  
Next Scheduled EDR Contact: 06/22/2009  
Data Release Frequency: No Update Planned

## LOP Listing

A listing of leaking underground storage tanks located in Santa Clara county.

Date of Government Version: 03/03/2014  
Date Data Arrived at EDR: 03/05/2014  
Date Made Active in Reports: 03/18/2014  
Number of Days to Update: 13

Source: Department of Environmental Health  
Telephone: 408-918-3417  
Last EDR Contact: 03/03/2014  
Next Scheduled EDR Contact: 06/16/2014  
Data Release Frequency: Annually

## Hazardous Material Facilities

Hazardous material facilities, including underground storage tank sites.

Date of Government Version: 05/12/2014  
Date Data Arrived at EDR: 05/19/2014  
Date Made Active in Reports: 05/28/2014  
Number of Days to Update: 9

Source: City of San Jose Fire Department  
Telephone: 408-535-7694  
Last EDR Contact: 05/12/2014  
Next Scheduled EDR Contact: 08/25/2014  
Data Release Frequency: Annually

## SANTA CRUZ COUNTY:

### CUPA Facility List

CUPA facility listing.

Date of Government Version: 02/24/2014  
Date Data Arrived at EDR: 02/25/2014  
Date Made Active in Reports: 03/20/2014  
Number of Days to Update: 33

Source: Santa Cruz County Environmental Health  
Telephone: 831-464-2761  
Last EDR Contact: 05/27/2014  
Next Scheduled EDR Contact: 09/08/2014  
Data Release Frequency: Varies

## SHASTA COUNTY:

### CUPA Facility List

Cupa Facility List.

Date of Government Version: 03/17/2014  
Date Data Arrived at EDR: 03/18/2014  
Date Made Active in Reports: 04/24/2014  
Number of Days to Update: 37

Source: Shasta County Department of Resource Management  
Telephone: 530-225-5789  
Last EDR Contact: 05/22/2014  
Next Scheduled EDR Contact: 09/08/2014  
Data Release Frequency: Varies

## SOLANO COUNTY:

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## Leaking Underground Storage Tanks

A listing of leaking underground storage tank sites located in Solano county.

Date of Government Version: 04/25/2014  
Date Data Arrived at EDR: 04/01/2014  
Date Made Active in Reports: 04/28/2014  
Number of Days to Update: 27

Source: Solano County Department of Environmental Management  
Telephone: 707-784-6770  
Last EDR Contact: 03/17/2014  
Next Scheduled EDR Contact: 06/30/2014  
Data Release Frequency: Quarterly

## Underground Storage Tanks

Underground storage tank sites located in Solano county.

Date of Government Version: 03/25/2014  
Date Data Arrived at EDR: 04/01/2014  
Date Made Active in Reports: 05/05/2014  
Number of Days to Update: 34

Source: Solano County Department of Environmental Management  
Telephone: 707-784-6770  
Last EDR Contact: 03/17/2014  
Next Scheduled EDR Contact: 06/30/2014  
Data Release Frequency: Quarterly

## SONOMA COUNTY:

### Cupa Facility List

Cupa Facility list

Date of Government Version: 12/31/2013  
Date Data Arrived at EDR: 01/02/2014  
Date Made Active in Reports: 02/11/2014  
Number of Days to Update: 40

Source: County of Sonoma Fire & Emergency Services Department  
Telephone: 707-565-1174  
Last EDR Contact: 03/31/2014  
Next Scheduled EDR Contact: 07/14/2014  
Data Release Frequency: Varies

## Leaking Underground Storage Tank Sites

A listing of leaking underground storage tank sites located in Sonoma county.

Date of Government Version: 04/01/2014  
Date Data Arrived at EDR: 04/03/2014  
Date Made Active in Reports: 04/28/2014  
Number of Days to Update: 25

Source: Department of Health Services  
Telephone: 707-565-6565  
Last EDR Contact: 03/31/2014  
Next Scheduled EDR Contact: 07/14/2014  
Data Release Frequency: Quarterly

## SUTTER COUNTY:

### Underground Storage Tanks

Underground storage tank sites located in Sutter county.

Date of Government Version: 03/24/2014  
Date Data Arrived at EDR: 03/24/2014  
Date Made Active in Reports: 04/28/2014  
Number of Days to Update: 35

Source: Sutter County Department of Agriculture  
Telephone: 530-822-7500  
Last EDR Contact: 03/24/2014  
Next Scheduled EDR Contact: 06/23/2014  
Data Release Frequency: Semi-Annually

## TUOLUMNE COUNTY:

### CUPA Facility List

Cupa facility list

Date of Government Version: 01/27/2014  
Date Data Arrived at EDR: 01/28/2014  
Date Made Active in Reports: 03/17/2014  
Number of Days to Update: 48

Source: Division of Environmental Health  
Telephone: 209-533-5633  
Last EDR Contact: 04/28/2014  
Next Scheduled EDR Contact: 08/11/2014  
Data Release Frequency: Varies

## VENTURA COUNTY:

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## Business Plan, Hazardous Waste Producers, and Operating Underground Tanks

The BWT list indicates by site address whether the Environmental Health Division has Business Plan (B), Waste Producer (W), and/or Underground Tank (T) information.

Date of Government Version: 04/28/2014	Source: Ventura County Environmental Health Division
Date Data Arrived at EDR: 05/20/2014	Telephone: 805-654-2813
Date Made Active in Reports: 05/27/2014	Last EDR Contact: 05/16/2014
Number of Days to Update: 7	Next Scheduled EDR Contact: 09/01/2014
	Data Release Frequency: Quarterly

## Inventory of Illegal Abandoned and Inactive Sites

Ventura County Inventory of Closed, Illegal Abandoned, and Inactive Sites.

Date of Government Version: 12/01/2011	Source: Environmental Health Division
Date Data Arrived at EDR: 12/01/2011	Telephone: 805-654-2813
Date Made Active in Reports: 01/19/2012	Last EDR Contact: 04/04/2014
Number of Days to Update: 49	Next Scheduled EDR Contact: 07/21/2014
	Data Release Frequency: Annually

## Listing of Underground Tank Cleanup Sites

Ventura County Underground Storage Tank Cleanup Sites (LUST).

Date of Government Version: 05/29/2008	Source: Environmental Health Division
Date Data Arrived at EDR: 06/24/2008	Telephone: 805-654-2813
Date Made Active in Reports: 07/31/2008	Last EDR Contact: 05/16/2014
Number of Days to Update: 37	Next Scheduled EDR Contact: 09/01/2014
	Data Release Frequency: Quarterly

## Medical Waste Program List

To protect public health and safety and the environment from potential exposure to disease causing agents, the Environmental Health Division Medical Waste Program regulates the generation, handling, storage, treatment and disposal of medical waste throughout the County.

Date of Government Version: 04/28/2014	Source: Ventura County Resource Management Agency
Date Data Arrived at EDR: 04/30/2014	Telephone: 805-654-2813
Date Made Active in Reports: 05/19/2014	Last EDR Contact: 04/28/2014
Number of Days to Update: 19	Next Scheduled EDR Contact: 08/11/2014
	Data Release Frequency: Quarterly

## Underground Tank Closed Sites List

Ventura County Operating Underground Storage Tank Sites (UST)/Underground Tank Closed Sites List.

Date of Government Version: 03/06/2014	Source: Environmental Health Division
Date Data Arrived at EDR: 03/21/2014	Telephone: 805-654-2813
Date Made Active in Reports: 04/28/2014	Last EDR Contact: 03/17/2014
Number of Days to Update: 38	Next Scheduled EDR Contact: 06/30/2014
	Data Release Frequency: Quarterly

## YOLO COUNTY:

### Underground Storage Tank Comprehensive Facility Report

Underground storage tank sites located in Yolo county.

Date of Government Version: 04/01/2014	Source: Yolo County Department of Health
Date Data Arrived at EDR: 04/08/2014	Telephone: 530-666-8646
Date Made Active in Reports: 05/05/2014	Last EDR Contact: 03/24/2014
Number of Days to Update: 27	Next Scheduled EDR Contact: 07/07/2014
	Data Release Frequency: Annually

## YUBA COUNTY:

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## CUPA Facility List

CUPA facility listing for Yuba County.

Date of Government Version: 02/11/2014  
Date Data Arrived at EDR: 02/13/2014  
Date Made Active in Reports: 03/17/2014  
Number of Days to Update: 32

Source: Yuba County Environmental Health Department  
Telephone: 530-749-7523  
Last EDR Contact: 05/19/2014  
Next Scheduled EDR Contact: 08/18/2014  
Data Release Frequency: Varies

## OTHER DATABASE(S)

Depending on the geographic area covered by this report, the data provided in these specialty databases may or may not be complete. For example, the existence of wetlands information data in a specific report does not mean that all wetlands in the area covered by the report are included. Moreover, the absence of any reported wetlands information does not necessarily mean that wetlands do not exist in the area covered by the report.

### CT MANIFEST: Hazardous Waste Manifest Data

Facility and manifest data. Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a tsd facility.

Date of Government Version: 07/30/2013  
Date Data Arrived at EDR: 08/19/2013  
Date Made Active in Reports: 10/03/2013  
Number of Days to Update: 45

Source: Department of Energy & Environmental Protection  
Telephone: 860-424-3375  
Last EDR Contact: 05/23/2014  
Next Scheduled EDR Contact: 09/01/2014  
Data Release Frequency: Annually

### NJ MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2011  
Date Data Arrived at EDR: 07/19/2012  
Date Made Active in Reports: 08/28/2012  
Number of Days to Update: 40

Source: Department of Environmental Protection  
Telephone: N/A  
Last EDR Contact: 04/18/2014  
Next Scheduled EDR Contact: 07/28/2014  
Data Release Frequency: Annually

### NY MANIFEST: Facility and Manifest Data

Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a TSD facility.

Date of Government Version: 02/28/2014  
Date Data Arrived at EDR: 03/12/2014  
Date Made Active in Reports: 04/29/2014  
Number of Days to Update: 48

Source: Department of Environmental Conservation  
Telephone: 518-402-8651  
Last EDR Contact: 05/07/2014  
Next Scheduled EDR Contact: 08/18/2014  
Data Release Frequency: Annually

### PA MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2012  
Date Data Arrived at EDR: 07/24/2013  
Date Made Active in Reports: 08/19/2013  
Number of Days to Update: 26

Source: Department of Environmental Protection  
Telephone: 717-783-8990  
Last EDR Contact: 04/21/2014  
Next Scheduled EDR Contact: 08/04/2014  
Data Release Frequency: Annually

### RI MANIFEST: Manifest information

Hazardous waste manifest information

Date of Government Version: 12/31/2012  
Date Data Arrived at EDR: 06/21/2013  
Date Made Active in Reports: 08/05/2013  
Number of Days to Update: 45

Source: Department of Environmental Management  
Telephone: 401-222-2797  
Last EDR Contact: 05/27/2014  
Next Scheduled EDR Contact: 09/08/2014  
Data Release Frequency: Annually

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## WI MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2012

Date Data Arrived at EDR: 08/09/2013

Date Made Active in Reports: 09/27/2013

Number of Days to Update: 49

Source: Department of Natural Resources

Telephone: N/A

Last EDR Contact: 03/17/2014

Next Scheduled EDR Contact: 06/30/2014

Data Release Frequency: Annually

Oil/Gas Pipelines: This data was obtained by EDR from the USGS in 1994. It is referred to by USGS as GeoData Digital Line Graphs from 1:100,000-Scale Maps. It was extracted from the transportation category including some oil, but primarily gas pipelines.

## Electric Power Transmission Line Data

Source: Rextag Strategies Corp.

Telephone: (281) 769-2247

U.S. Electric Transmission and Power Plants Systems Digital GIS Data

Sensitive Receptors: There are individuals deemed sensitive receptors due to their fragile immune systems and special sensitivity to environmental discharges. These sensitive receptors typically include the elderly, the sick, and children. While the location of all sensitive receptors cannot be determined, EDR indicates those buildings and facilities - schools, daycares, hospitals, medical centers, and nursing homes - where individuals who are sensitive receptors are likely to be located.

## AHA Hospitals:

Source: American Hospital Association, Inc.

Telephone: 312-280-5991

The database includes a listing of hospitals based on the American Hospital Association's annual survey of hospitals.

## Medical Centers: Provider of Services Listing

Source: Centers for Medicare & Medicaid Services

Telephone: 410-786-3000

A listing of hospitals with Medicare provider number, produced by Centers of Medicare & Medicaid Services, a federal agency within the U.S. Department of Health and Human Services.

## Nursing Homes

Source: National Institutes of Health

Telephone: 301-594-6248

Information on Medicare and Medicaid certified nursing homes in the United States.

## Public Schools

Source: National Center for Education Statistics

Telephone: 202-502-7300

The National Center for Education Statistics' primary database on elementary and secondary public education in the United States. It is a comprehensive, annual, national statistical database of all public elementary and secondary schools and school districts, which contains data that are comparable across all states.

## Private Schools

Source: National Center for Education Statistics

Telephone: 202-502-7300

The National Center for Education Statistics' primary database on private school locations in the United States.

## Daycare Centers: Licensed Facilities

Source: Department of Social Services

Telephone: 916-657-4041

Flood Zone Data: This data, available in select counties across the country, was obtained by EDR in 2003 & 2011 from the Federal Emergency Management Agency (FEMA). Data depicts 100-year and 500-year flood zones as defined by FEMA.

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002, 2005 and 2010 from the U.S. Fish and Wildlife Service.

## Scanned Digital USGS 7.5' Topographic Map (DRG)

Source: United States Geologic Survey

A digital raster graphic (DRG) is a scanned image of a U.S. Geological Survey topographic map. The map images are made by scanning published paper maps on high-resolution scanners. The raster image is georeferenced and fit to the Universal Transverse Mercator (UTM) projection.



# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## STREET AND ADDRESS INFORMATION

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## GEOCHECK<sup>®</sup> - PHYSICAL SETTING SOURCE ADDENDUM

### TARGET PROPERTY ADDRESS

GLENOAKS  
1407 W. GLENOAKS BOULEVARD  
GLENDALE, CA 91201

### TARGET PROPERTY COORDINATES

Latitude (North):	34.168 - 34° 10' 4.80"
Longitude (West):	118.2847 - 118° 17' 4.92"
Universal Tranverse Mercator:	Zone 11
UTM X (Meters):	381588.4
UTM Y (Meters):	3781334.5
Elevation:	527 ft. above sea level

### USGS TOPOGRAPHIC MAP

Target Property Map:	34118-B3 BURBANK, CA
Most Recent Revision:	1994

EDR's GeoCheck Physical Setting Source Addendum is provided to assist the environmental professional in forming an opinion about the impact of potential contaminant migration.

Assessment of the impact of contaminant migration generally has two principal investigative components:

1. Groundwater flow direction, and
2. Groundwater flow velocity.

Groundwater flow direction may be impacted by surface topography, hydrology, hydrogeology, characteristics of the soil, and nearby wells. Groundwater flow velocity is generally impacted by the nature of the geologic strata.

# GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

## GROUNDWATER FLOW DIRECTION INFORMATION

Groundwater flow direction for a particular site is best determined by a qualified environmental professional using site-specific well data. If such data is not reasonably ascertainable, it may be necessary to rely on other sources of information, such as surface topographic information, hydrologic information, hydrogeologic data collected on nearby properties, and regional groundwater flow information (from deep aquifers).

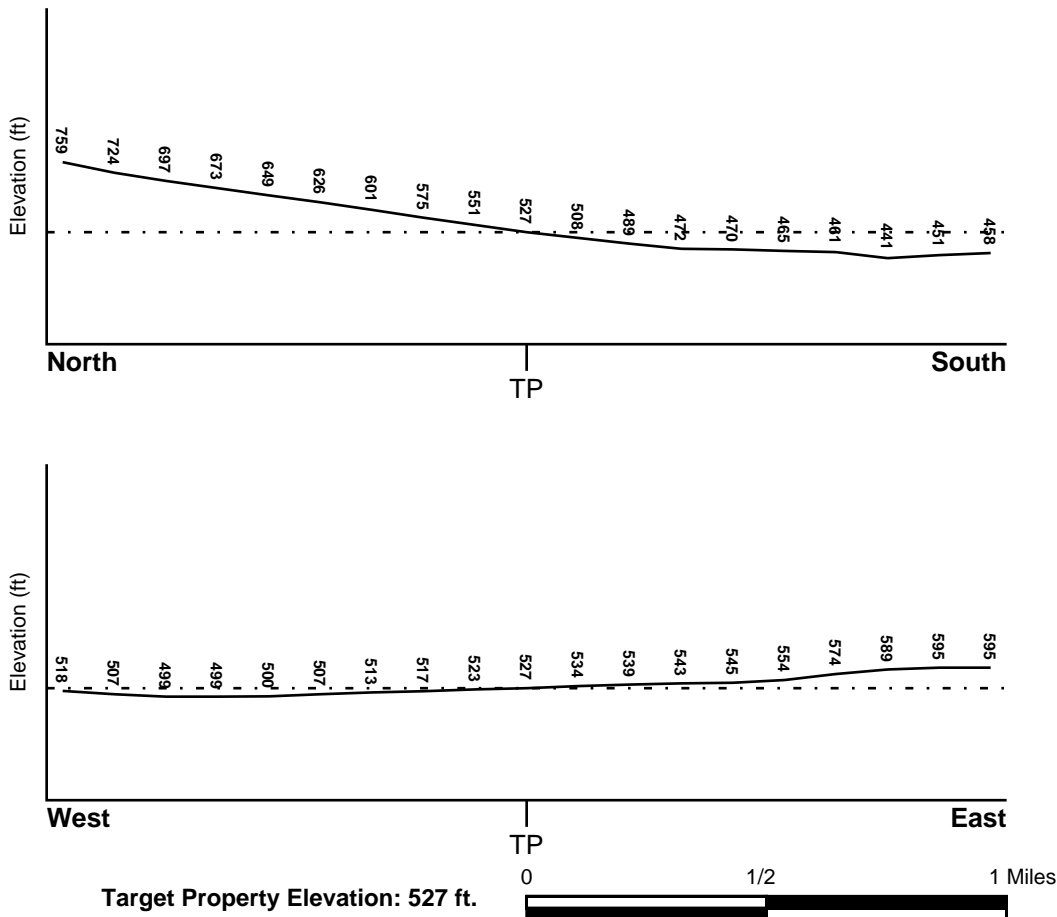
## TOPOGRAPHIC INFORMATION

Surface topography may be indicative of the direction of surficial groundwater flow. This information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

## TARGET PROPERTY TOPOGRAPHY

General Topographic Gradient: General SSW

## SURROUNDING TOPOGRAPHY: ELEVATION PROFILES



Source: Topography has been determined from the USGS 7.5' Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified.

# GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

## HYDROLOGIC INFORMATION

Surface water can act as a hydrologic barrier to groundwater flow. Such hydrologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Refer to the Physical Setting Source Map following this summary for hydrologic information (major waterways and bodies of water).

## FEMA FLOOD ZONE

Target Property County  
LOS ANGELES, CA

FEMA Flood  
Electronic Data  
YES - refer to the Overview Map and Detail Map

Flood Plain Panel at Target Property: 06037C - FEMA DFIRM Flood data

Additional Panels in search area: Not Reported

## NATIONAL WETLAND INVENTORY

NWI Quad at Target Property  
BURBANK

NWI Electronic  
Data Coverage  
YES - refer to the Overview Map and Detail Map

## HYDROGEOLOGIC INFORMATION

Hydrogeologic information obtained by installation of wells on a specific site can often be an indicator of groundwater flow direction in the immediate area. Such hydrogeologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

### Site-Specific Hydrogeological Data\*:

Search Radius: 1.25 miles  
Location Relative to TP: 1/2 - 1 Mile WNW  
Site Name: HASKELL INC  
Site EPA ID Number: CAD008490377  
Groundwater Flow Direction: SE ON A REGIONAL BASIS AT AN ESTIMATED RATE OF 300 TO 500 FEET PER YEAR IN THE EASTERN SAN FERNANDO VALLEY.  
Inferred Depth to Water: approximately 60 feet.  
Hydraulic Connection: The site is underlain by coarse sediments with localized lenses of clay and silt to a depth of up to 1,200 feet.  
Sole Source Aquifer: No information about a sole source aquifer is available  
Data Quality: Information is inferred in the CERCLIS investigation report(s)

## AQUIFLOW®

Search Radius: 1.000 Mile.

EDR has developed the AQUIFLOW Information System to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted by environmental professionals to regulatory authorities at select sites and has extracted the date of the report, groundwater flow direction as determined hydrogeologically, and the depth to water table.

<u>MAP ID</u>	<u>LOCATION FROM TP</u>	<u>GENERAL DIRECTION GROUNDWATER FLOW</u>
Not Reported		

# GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

## GROUNDWATER FLOW VELOCITY INFORMATION

Groundwater flow velocity information for a particular site is best determined by a qualified environmental professional using site specific geologic and soil strata data. If such data are not reasonably ascertainable, it may be necessary to rely on other sources of information, including geologic age identification, rock stratigraphic unit and soil characteristics data collected on nearby properties and regional soil information. In general, contaminant plumes move more quickly through sandy-gravelly types of soils than silty-clayey types of soils.

## GEOLOGIC INFORMATION IN GENERAL AREA OF TARGET PROPERTY

Geologic information can be used by the environmental professional in forming an opinion about the relative speed at which contaminant migration may be occurring.

### ROCK STRATIGRAPHIC UNIT

Era: Cenozoic  
System: Quaternary  
Series: Quaternary  
Code: Q (*decoded above as Era, System & Series*)

### GEOLOGIC AGE IDENTIFICATION

Category: Stratified Sequence

Geologic Age and Rock Stratigraphic Unit Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - a digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

## DOMINANT SOIL COMPOSITION IN GENERAL AREA OF TARGET PROPERTY

The U.S. Department of Agriculture's (USDA) Soil Conservation Service (SCS) leads the National Cooperative Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps. The following information is based on Soil Conservation Service STATSGO data.

Soil Component Name: URBAN LAND

Soil Surface Texture: variable

Hydrologic Group: Not reported

Soil Drainage Class: Not reported

Hydric Status: Soil does not meet the requirements for a hydric soil.

Corrosion Potential - Uncoated Steel: Not Reported

Depth to Bedrock Min: > 10 inches

Depth to Bedrock Max: > 10 inches

## GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Permeability Rate (in/hr)	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	6 inches	variable	Not reported	Not reported	Max: 0.00 Min: 0.00	Max: 0.00 Min: 0.00

### OTHER SOIL TYPES IN AREA

Based on Soil Conservation Service STATSGO data, the following additional subordinant soil types may appear within the general area of target property.

Soil Surface Textures: loam  
 clay  
 silt loam  
 loamy sand  
 sandy loam  
 fine sand  
 clay loam  
 gravelly - sandy loam  
 coarse sand  
 gravelly - sand  
 sand

Surficial Soil Types: loam  
 clay  
 silt loam  
 loamy sand  
 sandy loam  
 fine sand  
 clay loam  
 gravelly - sandy loam  
 coarse sand  
 gravelly - sand  
 sand

Shallow Soil Types: fine sandy loam  
 gravelly - loam  
 sand  
 silty clay

Deeper Soil Types: stratified  
 clay loam  
 silty clay loam  
 gravelly - sandy loam  
 coarse sand  
 sand  
 weathered bedrock  
 very fine sandy loam

# GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

## LOCAL / REGIONAL WATER AGENCY RECORDS

EDR Local/Regional Water Agency records provide water well information to assist the environmental professional in assessing sources that may impact ground water flow direction, and in forming an opinion about the impact of contaminant migration on nearby drinking water wells.

## WELL SEARCH DISTANCE INFORMATION

<u>DATABASE</u>	<u>SEARCH DISTANCE (miles)</u>
Federal USGS	1.000
Federal FRDS PWS	Nearest PWS within 1 mile
State Database	1.000

## FEDERAL USGS WELL INFORMATION

<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
15	USGS40000142270	1/4 - 1/2 Mile SW
16	USGS40000142852	1/4 - 1/2 Mile South
17	USGS40000142255	1/4 - 1/2 Mile SSE
B18	USGS40000142286	1/2 - 1 Mile WSW
B19	USGS40000142301	1/2 - 1 Mile WSW
20	USGS40000142251	1/2 - 1 Mile SW
21	USGS40000142182	1/2 - 1 Mile South

## FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
No PWS System Found		

Note: PWS System location is not always the same as well location.

## STATE DATABASE WELL INFORMATION

<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
A1	512	0 - 1/8 Mile SSE
A2	513	0 - 1/8 Mile SSE
A3	510	0 - 1/8 Mile SSE
A4	511	0 - 1/8 Mile SSE
A5	514	0 - 1/8 Mile SSE
A6	517	0 - 1/8 Mile SSE
A7	590	0 - 1/8 Mile SSE
A8	515	0 - 1/8 Mile SSE
A9	516	0 - 1/8 Mile SSE
A10	509	0 - 1/8 Mile SSE
A11	22747	0 - 1/8 Mile SSE
A12	22745	0 - 1/8 Mile SSE
A13	508	0 - 1/8 Mile SSE
A14	507	0 - 1/8 Mile SSE

# GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

## STATE DATABASE WELL INFORMATION

<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
C22	606	1/2 - 1 Mile West
C23	605	1/2 - 1 Mile West
C24	607	1/2 - 1 Mile West
C25	609	1/2 - 1 Mile West
C26	608	1/2 - 1 Mile West

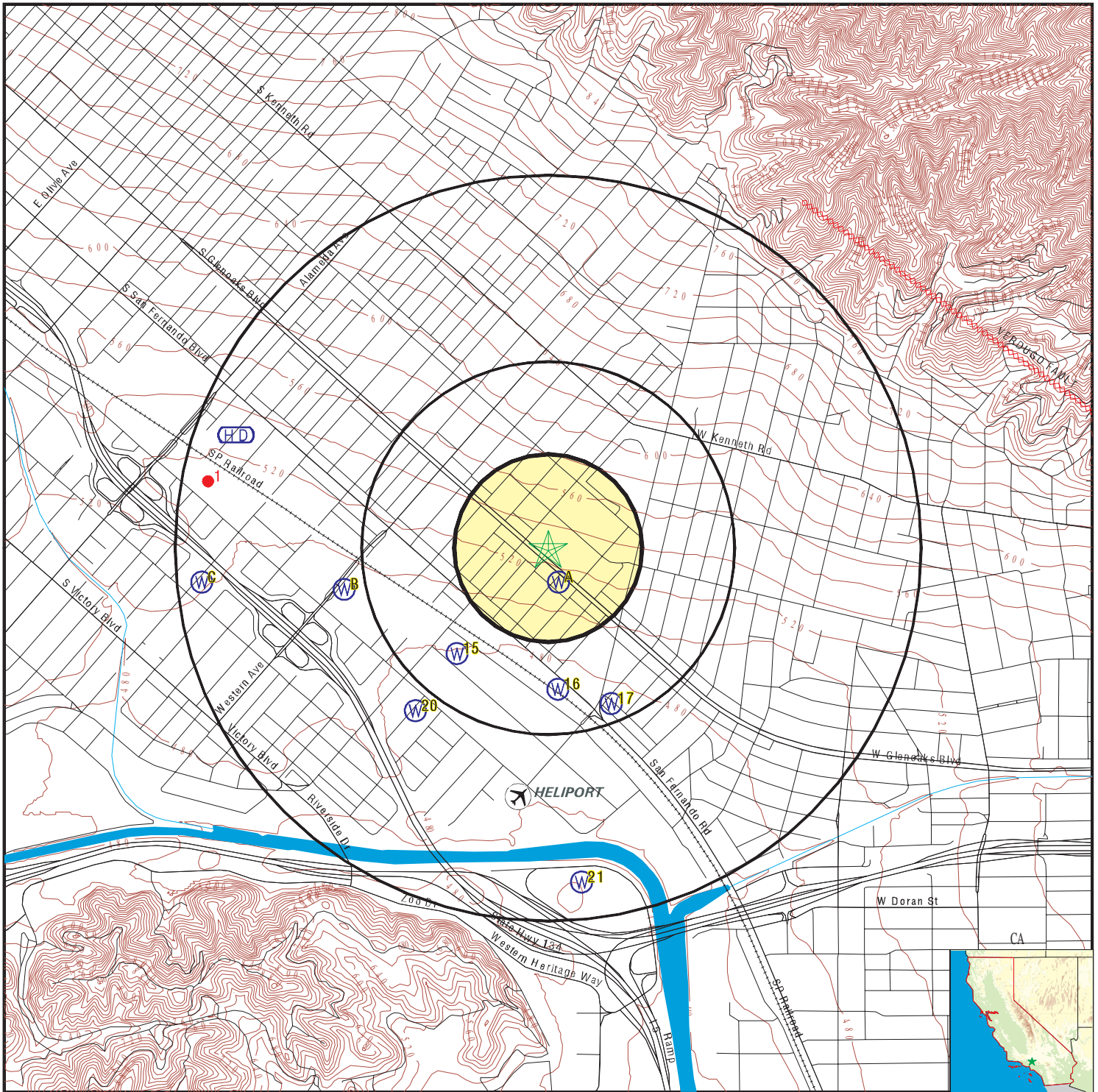
## OTHER STATE DATABASE INFORMATION

### STATE OIL/GAS WELL INFORMATION

<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
1	CAOG9A000033873	1/2 - 1 Mile West



# PHYSICAL SETTING SOURCE MAP - 3960998.2s



- County Boundary
- Major Roads
- Contour Lines
- Earthquake Fault Lines
- Airports
- Earthquake epicenter, Richter 5 or greater
- Water Wells
- Public Water Supply Wells
- Cluster of Multiple Icons



- Groundwater Flow Direction
- Indeterminate Groundwater Flow at Location
- Groundwater Flow Varies at Location
- Closest Hydrogeological Data
- Oil, gas or related wells



SITE NAME: Glenoaks  
 ADDRESS: 1407 W. Glenoaks Boulevard  
 Glendale CA 91201  
 LAT/LONG: 34.168 / 118.2847

CLIENT: Advanced Geotechniques  
 CONTACT: Peter Pailian  
 INQUIRY #: 3960998.2s  
 DATE: June 02, 2014 8:34 pm

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID  
Direction  
Distance  
Elevation

Database      EDR ID Number

**A1**  
**SSE**  
**0 - 1/8 Mile**  
**Lower**

**CA WELLS      512**

**Water System Information:**

Prime Station Code:	01N/13W-19D03 S	User ID:	MET
FRDS Number:	1910043009	County:	Los Angeles
District Number:	15	Station Type:	WELL/AMBNT/MUN/INTAKE/SUPPLY
Water Type:	Well/Groundwater	Well Status:	Inactive Raw
Source Lat/Long:	341000.0 1181700.0	Precision:	Undefined
Source Name:	GRAND VIEW WELL 13 - INACTIVE		
System Number:	1910043		
System Name:	GLENDALÉ-CITY, WATER DEPT.		
Organization That Operates System:	141 NO. GLENDALÉ AVE. LEVEL 4 GLENDALÉ, CA 91206		
Pop Served:	184000	Connections:	32013
Area Served:	GLENDALÉ		

**A2**  
**SSE**  
**0 - 1/8 Mile**  
**Lower**

**CA WELLS      513**

**Water System Information:**

Prime Station Code:	01N/13W-19E01 S	User ID:	MET
FRDS Number:	1910043008	County:	Los Angeles
District Number:	15	Station Type:	WELL/AMBNT/MUN/INTAKE/SUPPLY
Water Type:	Well/Groundwater	Well Status:	Inactive Raw
Source Lat/Long:	341000.0 1181700.0	Precision:	Undefined
Source Name:	GRAND VIEW WELL 12 - INACTIVE		
System Number:	1910043		
System Name:	GLENDALÉ-CITY, WATER DEPT.		
Organization That Operates System:	141 NO. GLENDALÉ AVE. LEVEL 4 GLENDALÉ, CA 91206		
Pop Served:	184000	Connections:	32013
Area Served:	GLENDALÉ		

**A3**  
**SSE**  
**0 - 1/8 Mile**  
**Lower**

**CA WELLS      510**

**Water System Information:**

Prime Station Code:	01N/13W-19C01 S	User ID:	MET
FRDS Number:	1910043005	County:	Los Angeles
District Number:	15	Station Type:	WELL/AMBNT/MUN/INTAKE/SUPPLY
Water Type:	Well/Groundwater	Well Status:	Inactive Raw
Source Lat/Long:	341000.0 1181700.0	Precision:	Undefined
Source Name:	GRAND VIEW WELL 02 - INACTIVE		

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

System Number: 1910043  
 System Name: GLENDALE-CITY, WATER DEPT.  
 Organization That Operates System:  
 141 NO. GLENDALE AVE. LEVEL 4  
 GLENDALE, CA 91206  
 Pop Served: 184000  
 Area Served: GLENDALE  
 Connections: 32013

**A4**  
**SSE**  
**0 - 1/8 Mile**  
**Lower**

**CA WELLS 511**

**Water System Information:**

Prime Station Code: 01N/13W-19C04 S	User ID: MET
FRDS Number: 1910043006	County: Los Angeles
District Number: 15	Station Type: WELL/AMBNT/MUN/INTAKE/SUPPLY
Water Type: Well/Groundwater	Well Status: Inactive Raw
Source Lat/Long: 341000.0 1181700.0	Precision: Undefined
Source Name: GRAND VIEW WELL 06 - INACTIVE	
System Number: 1910043	
System Name: GLENDALE-CITY, WATER DEPT.	
Organization That Operates System: 141 NO. GLENDALE AVE. LEVEL 4 GLENDALE, CA 91206	
Pop Served: 184000	Connections: 32013
Area Served: GLENDALE	

**A5**  
**SSE**  
**0 - 1/8 Mile**  
**Lower**

**CA WELLS 514**

**Water System Information:**

Prime Station Code: 01N/13W-19F01 S	User ID: MET
FRDS Number: 1910067019	County: Los Angeles
District Number: 15	Station Type: WELL/AMBNT/MUN/INTAKE/SUPPLY
Water Type: Well/Groundwater	Well Status: Inactive Raw
Source Lat/Long: 341000.0 1181700.0	Precision: Undefined
Source Name: CRYSTALL SPRINGS WELL 44 - INACTIVE	
System Number: 1910067	
System Name: LOS ANGELES-CITY, DEPT. OF WATER & POWER	
Organization That Operates System: P.O. BOX 51111, ROOM 1420 LOS ANGELES, CA 90051	
Pop Served: 3700000	Connections: 657422
Area Served: LOS ANGELES	

**A6**  
**SSE**  
**0 - 1/8 Mile**  
**Lower**

**CA WELLS 517**

**Water System Information:**

Prime Station Code: 01N/13W-19F04 S	User ID: MET
FRDS Number: 1910067022	County: Los Angeles
District Number: 15	Station Type: WELL/AMBNT/MUN/INTAKE/SUPPLY
Water Type: Well/Groundwater	Well Status: Inactive Raw
Source Lat/Long: 341000.0 1181700.0	Precision: Undefined
Source Name: CRYSTALL SPRINGS WELL 47 - INACTIVE	

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

System Number: 1910067  
 System Name: LOS ANGELES-CITY, DEPT. OF WATER & POWER  
 Organization That Operates System:  
     P.O. BOX 51111, ROOM 1420  
     LOS ANGELES, CA 90051  
 Pop Served: 3700000                      Connections: 657422  
 Area Served: LOS ANGELES

**A7**  
**SSE**  
**0 - 1/8 Mile**  
**Lower**

**CA WELLS    590**

**Water System Information:**

Prime Station Code:	01N/14W-13R01 S	User ID:	MET
FRDS Number:	1910043007	County:	Los Angeles
District Number:	15	Station Type:	WELL/AMBNT/MUN/INTAKE/SUPPLY
Water Type:	Well/Groundwater	Well Status:	Inactive Raw
Source Lat/Long:	341000.0 1181700.0	Precision:	Undefined
Source Name:	GRAND VIEW WELL 11 - INACTIVE		
System Number:	1910043		
System Name:	GLENDALE-CITY, WATER DEPT.		
Organization That Operates System:	141 NO. GLENDALE AVE. LEVEL 4		
	GLENDALE, CA 91206		
Pop Served:	184000	Connections:	32013
Area Served:	GLENDALE		

**A8**  
**SSE**  
**0 - 1/8 Mile**  
**Lower**

**CA WELLS    515**

**Water System Information:**

Prime Station Code:	01N/13W-19F02 S	User ID:	MET
FRDS Number:	1910067020	County:	Los Angeles
District Number:	15	Station Type:	WELL/AMBNT/MUN/INTAKE/SUPPLY
Water Type:	Well/Groundwater	Well Status:	Inactive Raw
Source Lat/Long:	341000.0 1181700.0	Precision:	Undefined
Source Name:	CRYSTALL SPRINGS WELL 45 - INACTIVE		
System Number:	1910067		
System Name:	LOS ANGELES-CITY, DEPT. OF WATER & POWER		
Organization That Operates System:	P.O. BOX 51111, ROOM 1420		
	LOS ANGELES, CA 90051		
Pop Served:	3700000	Connections:	657422
Area Served:	LOS ANGELES		

**A9**  
**SSE**  
**0 - 1/8 Mile**  
**Lower**

**CA WELLS    516**

**Water System Information:**

Prime Station Code:	01N/13W-19F03 S	User ID:	MET
FRDS Number:	1910067021	County:	Los Angeles
District Number:	15	Station Type:	WELL/AMBNT/MUN/INTAKE/SUPPLY
Water Type:	Well/Groundwater	Well Status:	Inactive Raw
Source Lat/Long:	341000.0 1181700.0	Precision:	Undefined
Source Name:	CRYSTALL SPRINGS WELL 46 - INACTIVE		

# GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

System Number: 1910067  
 System Name: LOS ANGELES-CITY, DEPT. OF WATER & POWER  
 Organization That Operates System:  
     P.O. BOX 51111, ROOM 1420  
     LOS ANGELES, CA 90051  
 Pop Served: 3700000  
 Area Served: LOS ANGELES  
 Connections: 657422

**A10**  
**SSE**  
**0 - 1/8 Mile**  
**Lower**

**CA WELLS 509**

**Water System Information:**

Prime Station Code: 01N/13W-19B07 S	User ID: MET	
FRDS Number: 1910043011	County: Los Angeles	
District Number: 15	Station Type: WELL/AMBNT/MUN/INTAKE/SUPPLY	
Water Type: Well/Groundwater	Well Status: Inactive Raw	
Source Lat/Long: 341000.0 1181700.0	Precision: Undefined	
Source Name: GRAND VIEW WELL 15 - INACTIVE		
System Number: 1910043		
System Name: GLENDALE-CITY, WATER DEPT.		
Organization That Operates System: 141 NO. GLENDALE AVE. LEVEL 4 GLENDALE, CA 91206		
Pop Served: 184000	Connections: 32013	
Area Served: GLENDALE		

**A11**  
**SSE**  
**0 - 1/8 Mile**  
**Lower**

**CA WELLS 22747**

**Water System Information:**

Prime Station Code: G19/043-NTBLWTR	User ID: MET	
FRDS Number: 1910043017	County: Los Angeles	
District Number: 15	Station Type: CANAL/AMBNT/	
Water Type: Well/Groundwater	Well Status: Combined Treated	
Source Lat/Long: 341000.0 1181700.0	Precision: 1,000 Feet (10 Seconds)	
Source Name: MWD CONNECTION G1 - BLEND H20 FOR NO3		
System Number: 1910043		
System Name: GLENDALE-CITY, WATER DEPT.		
Organization That Operates System: 141 NO. GLENDALE AVE. LEVEL 4 GLENDALE, CA 91206		
Pop Served: 184000	Connections: 32013	
Area Served: GLENDALE		

**A12**  
**SSE**  
**0 - 1/8 Mile**  
**Lower**

**CA WELLS 22745**

**Water System Information:**

Prime Station Code: G19/043-NTBLDIS	User ID: MET	
FRDS Number: 1910043018	County: Los Angeles	
District Number: 15	Station Type: DIST/AMBNT/MUN	
Water Type: Well/Groundwater	Well Status: Distribution System Sample Point Treated	
Source Lat/Long: 341000.0 1181700.0	Precision: 1,000 Feet (10 Seconds)	
Source Name: ROSSMOYNE/DRYDEN - NO3 BLEND - DIST SYS		

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

System Number:	1910043	
System Name:	GLENDALE-CITY, WATER DEPT.	
Organization That Operates System:	141 NO. GLENDALE AVE. LEVEL 4 GLENDALE, CA 91206	
Pop Served:	184000	Connections: 32013
Area Served:	GLENDALE	
Sample Collected:	05-JAN-11	Findings: 7. MG/L
Chemical:	NITRATE (AS NO3)	
Sample Collected:	12-JAN-11	Findings: 17. MG/L
Chemical:	NITRATE (AS NO3)	
Sample Collected:	20-JAN-11	Findings: 14. MG/L
Chemical:	NITRATE (AS NO3)	
Sample Collected:	26-JAN-11	Findings: 9.7 MG/L
Chemical:	NITRATE (AS NO3)	
Sample Collected:	01-FEB-11	Findings: 15. MG/L
Chemical:	NITRATE (AS NO3)	
Sample Collected:	09-FEB-11	Findings: 10. MG/L
Chemical:	NITRATE (AS NO3)	
Sample Collected:	15-FEB-11	Findings: 3.8 MG/L
Chemical:	NITRATE (AS NO3)	
Sample Collected:	23-FEB-11	Findings: 17. MG/L
Chemical:	NITRATE (AS NO3)	
Sample Collected:	02-MAR-11	Findings: 15. MG/L
Chemical:	NITRATE (AS NO3)	
Sample Collected:	16-MAR-11	Findings: 12. MG/L
Chemical:	NITRATE (AS NO3)	
Sample Collected:	22-MAR-11	Findings: 9.8 MG/L
Chemical:	NITRATE (AS NO3)	
Sample Collected:	30-MAR-11	Findings: 3.5 MG/L
Chemical:	NITRATE (AS NO3)	
Sample Collected:	06-APR-11	Findings: 8.4 MG/L
Chemical:	NITRATE (AS NO3)	
Sample Collected:	13-APR-11	Findings: 2.1 MG/L
Chemical:	NITRATE (AS NO3)	
Sample Collected:	26-APR-11	Findings: 12. MG/L
Chemical:	NITRATE (AS NO3)	
Sample Collected:	04-MAY-11	Findings: 3.2 MG/L
Chemical:	NITRATE (AS NO3)	
Sample Collected:	18-MAY-11	Findings: 17. MG/L
Chemical:	NITRATE (AS NO3)	
Sample Collected:	25-MAY-11	Findings: 10. MG/L
Chemical:	NITRATE (AS NO3)	
Sample Collected:	08-JUN-11	Findings: 2.1 MG/L
Chemical:	NITRATE (AS NO3)	

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Sample Collected:	15-JUN-11	Findings:	4.9 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	22-JUN-11	Findings:	4.7 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	06-JUL-11	Findings:	2.2 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	13-JUL-11	Findings:	3.2 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	20-JUL-11	Findings:	5.7 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	03-AUG-11	Findings:	10. MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	10-AUG-11	Findings:	7.9 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	17-AUG-11	Findings:	8.7 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	24-AUG-11	Findings:	9.3 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	31-AUG-11	Findings:	7.3 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	07-SEP-11	Findings:	9.1 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	14-SEP-11	Findings:	12. MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	21-SEP-11	Findings:	12. MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	28-SEP-11	Findings:	14. MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	05-OCT-11	Findings:	15. MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	12-OCT-11	Findings:	7. MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	19-OCT-11	Findings:	6.6 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	02-NOV-11	Findings:	9.8 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	09-NOV-11	Findings:	2.2 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	16-NOV-11	Findings:	11. MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	30-NOV-11	Findings:	10. MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	07-DEC-11	Findings:	11. MG/L
Chemical:	NITRATE (AS NO3)		

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Sample Collected:	21-DEC-11	Findings:	11. MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	28-DEC-11	Findings:	9.4 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	05-JAN-12	Findings:	6. MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	11-JAN-12	Findings:	7.6 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	19-JAN-12	Findings:	9.7 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	19-JAN-12	Findings:	2200. UG/L
Chemical:	NITRATE + NITRITE (AS N)		
Sample Collected:	25-JAN-12	Findings:	9.2 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	01-FEB-12	Findings:	8.8 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	08-FEB-12	Findings:	8.5 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	22-FEB-12	Findings:	2.9 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	29-FEB-12	Findings:	8.3 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	07-MAR-12	Findings:	13. MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	21-MAR-12	Findings:	8. MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	28-MAR-12	Findings:	12. MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	04-APR-12	Findings:	10. MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	10-APR-12	Findings:	8.6 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	18-APR-12	Findings:	2.9 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	25-APR-12	Findings:	16. MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	09-MAY-12	Findings:	2.9 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	16-MAY-12	Findings:	3.2 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	23-MAY-12	Findings:	7.1 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	31-MAY-12	Findings:	13. MG/L
Chemical:	NITRATE (AS NO3)		



## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Sample Collected:	06-JUN-12	Findings:	2.3 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	13-JUN-12	Findings:	6.3 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	20-JUN-12	Findings:	7. MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	27-JUN-12	Findings:	6.2 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	03-JUL-12	Findings:	2.1 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	18-JUL-12	Findings:	2.7 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	25-JUL-12	Findings:	9.5 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	01-AUG-12	Findings:	10. MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	08-AUG-12	Findings:	2.3 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	19-SEP-12	Findings:	11. MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	26-SEP-12	Findings:	11. MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	03-OCT-12	Findings:	2.4 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	10-OCT-12	Findings:	2.9 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	17-OCT-12	Findings:	10. MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	24-OCT-12	Findings:	13. MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	31-OCT-12	Findings:	2.2 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	28-NOV-12	Findings:	14. MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	05-DEC-12	Findings:	2.5 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	12-DEC-12	Findings:	5.9 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	19-DEC-12	Findings:	2.8 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	27-DEC-12	Findings:	9.1 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	03-JAN-13	Findings:	10. MG/L
Chemical:	NITRATE (AS NO3)		

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Sample Collected:	16-JAN-13	Findings:	11. MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	23-JAN-13	Findings:	10. MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	30-JAN-13	Findings:	13. MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	06-FEB-13	Findings:	11. MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	13-FEB-13	Findings:	6.3 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	20-FEB-13	Findings:	6.6 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	27-FEB-13	Findings:	10. MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	06-MAR-13	Findings:	14. MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	13-MAR-13	Findings:	11. MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	20-MAR-13	Findings:	9.9 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	27-MAR-13	Findings:	9.8 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	03-APR-13	Findings:	8.4 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	10-APR-13	Findings:	7.2 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	17-APR-13	Findings:	5.7 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	24-APR-13	Findings:	2.1 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	01-MAY-13	Findings:	7.6 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	08-MAY-13	Findings:	13. MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	15-MAY-13	Findings:	14. MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	22-MAY-13	Findings:	11. MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	28-MAY-13	Findings:	8.4 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	12-JUN-13	Findings:	2.2 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	01-JUL-13	Findings:	7.7 MG/L
Chemical:	NITRATE (AS NO3)		

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Sample Collected:	31-JUL-13	Findings:	7.4 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	14-AUG-13	Findings:	7.4 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	21-AUG-13	Findings:	6.7 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	28-AUG-13	Findings:	9.5 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	11-SEP-13	Findings:	8.6 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	18-SEP-13	Findings:	8.5 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	08-OCT-13	Findings:	8.6 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	16-OCT-13	Findings:	8.4 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	22-OCT-13	Findings:	9.2 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	29-OCT-13	Findings:	8.8 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	05-NOV-13	Findings:	9.2 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	12-NOV-13	Findings:	8.7 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	19-NOV-13	Findings:	8.8 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	26-NOV-13	Findings:	14. MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	03-DEC-13	Findings:	9.4 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	10-DEC-13	Findings:	12. MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	17-DEC-13	Findings:	2.1 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	23-DEC-13	Findings:	11. MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	30-DEC-13	Findings:	12. MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	14-JAN-14	Findings:	9.2 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	04-FEB-14	Findings:	11. MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	11-FEB-14	Findings:	12. MG/L
Chemical:	NITRATE (AS NO3)		

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Sample Collected:	18-FEB-14	Findings:	13. MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	25-FEB-14	Findings:	14. MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	04-MAR-14	Findings:	. 12. MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	11-MAR-14	Findings:	. 8.8 MG/L
Chemical:	NITRATE (AS NO3)		

**A13**  
**SSE**  
**0 - 1/8 Mile**  
**Lower**

**CA WELLS 508**

**Water System Information:**

Prime Station Code:	01N/13W-19B01 S	User ID:	MET
FRDS Number:	1910043004	County:	Los Angeles
District Number:	15	Station Type:	WELL/AMBNT/MUN/INTAKE/SUPPLY
Water Type:	Well/Groundwater	Well Status:	Inactive Raw
Source Lat/Long:	341000.0 1181700.0	Precision:	Undefined
Source Name:	GRAND VIEW WELL 01 - INACTIVE		
System Number:	1910043		
System Name:	GLENDALÉ-CITY, WATER DEPT.		
Organization That Operates System:	141 NO. GLENDALÉ AVE. LEVEL 4 GLENDALÉ, CA 91206		
Pop Served:	184000	Connections:	32013
Area Served:	GLENDALÉ		

**A14**  
**SSE**  
**0 - 1/8 Mile**  
**Lower**

**CA WELLS 507**

**Water System Information:**

Prime Station Code:	01N/13W-18N01 S	User ID:	MET
FRDS Number:	1910043012	County:	Los Angeles
District Number:	15	Station Type:	WELL/AMBNT/MUN/INTAKE/SUPPLY
Water Type:	Well/Groundwater	Well Status:	Inactive Raw
Source Lat/Long:	341000.0 1181700.0	Precision:	Undefined
Source Name:	GRAND VIEW WELL 16 - INACTIVE		
System Number:	1910043		
System Name:	GLENDALÉ-CITY, WATER DEPT.		
Organization That Operates System:	141 NO. GLENDALÉ AVE. LEVEL 4 GLENDALÉ, CA 91206		
Pop Served:	184000	Connections:	32013
Area Served:	GLENDALÉ		

**15**  
**SW**  
**1/4 - 1/2 Mile**  
**Lower**

**FED USGS USGS40000142270**

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Org. Identifier:	USGS-CA		
Formal name:	USGS California Water Science Center		
Monloc Identifier:	USGS-340950118171701		
Monloc name:	001N013W18N001S		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	18070105	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	34.1638956
Longitude:	-118.2889652	Sourcemap scale:	24000
Horiz Acc measure:	1	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	Not Reported
Vert measure units:	Not Reported	Vertacc measure val:	Not Reported
Vert accmeasure units:	Not Reported		
Vertcollection method:	Not Reported		
Vert coord refsys:	Not Reported	Countrycode:	US
Aquifername:	California Coastal Basin aquifers		
Formation type:	Not Reported		
Aquifer type:	Not Reported		
Construction date:	Not Reported	Welldepth:	522
Welldepth units:	ft	Wellholedepth:	551
Wellholedepth units:	ft		

Ground-water levels, Number of Measurements: 0

**16**  
**South**  
**1/4 - 1/2 Mile**  
**Lower**

**FED USGS      USGS40000142852**

Org. Identifier:	USGS-CA		
Formal name:	USGS California Water Science Center		
Monloc Identifier:	USGS-341760118094501		
Monloc name:	001N013W19C001S		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	18070105	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	34.1625068
Longitude:	-118.2842428	Sourcemap scale:	24000
Horiz Acc measure:	1	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	Not Reported
Vert measure units:	Not Reported	Vertacc measure val:	Not Reported
Vert accmeasure units:	Not Reported		
Vertcollection method:	Not Reported		
Vert coord refsys:	Not Reported	Countrycode:	US
Aquifername:	California Coastal Basin aquifers		
Formation type:	Not Reported		
Aquifer type:	Not Reported		
Construction date:	Not Reported	Welldepth:	460
Welldepth units:	ft	Wellholedepth:	500
Wellholedepth units:	ft		

Ground-water levels, Number of Measurements: 0

# GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID  
 Direction  
 Distance  
 Elevation

Database      EDR ID Number

**17**  
**SSE**  
**1/4 - 1/2 Mile**  
**Lower**

**FED USGS      USGS40000142255**

Org. Identifier:	USGS-CA		
Formal name:	USGS California Water Science Center		
Monloc Identifier:	USGS-340943118165101		
Monloc name:	001N013W19B001S		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	18070105	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	34.1619512
Longitude:	-118.2817427	Sourcemap scale:	24000
Horiz Acc measure:	1	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	Not Reported
Vert measure units:	Not Reported	Vertacc measure val:	Not Reported
Vert accmeasure units:	Not Reported		
Vertcollection method:	Not Reported		
Vert coord refsys:	Not Reported	Countrycode:	US
Aquifername:	California Coastal Basin aquifers		
Formation type:	Not Reported		
Aquifer type:	Not Reported		
Construction date:	Not Reported	Welldepth:	480
Welldepth units:	ft	Wellholedepth:	500
Wellholedepth units:	ft		

Ground-water levels, Number of Measurements: 0

**B18**  
**WSW**  
**1/2 - 1 Mile**  
**Lower**

**FED USGS      USGS40000142286**

Org. Identifier:	USGS-CA		
Formal name:	USGS California Water Science Center		
Monloc Identifier:	USGS-340955118173001		
Monloc name:	001N014W13R002S		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	18070105	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	34.1663954
Longitude:	-118.2942432	Sourcemap scale:	24000
Horiz Acc measure:	1	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	Not Reported
Vert measure units:	Not Reported	Vertacc measure val:	Not Reported
Vert accmeasure units:	Not Reported		
Vertcollection method:	Not Reported		
Vert coord refsys:	Not Reported	Countrycode:	US
Aquifername:	California Coastal Basin aquifers		
Formation type:	Not Reported		

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Aquifer type:	Not Reported	Welldepth:	592
Construction date:	Not Reported	Wellholeddepth:	619
Welldepth units:	ft		
Wellholeddepth units:	ft		

Ground-water levels, Number of Measurements: 0

**B19**  
**WSW**  
**1/2 - 1 Mile**  
**Lower**

**FED USGS      USGS40000142301**

Org. Identifier:	USGS-CA		
Formal name:	USGS California Water Science Center		
Monloc Identifier:	USGS-340959118173601		
Monloc name:	001N014W13R001S		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	18070105	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	34.1663954
Longitude:	-118.2942432	Sourcemap scale:	24000
Horiz Acc measure:	1	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	Not Reported
Vert measure units:	Not Reported	Vertacc measure val:	Not Reported
Vert accmeasure units:	Not Reported		
Vertcollection method:	Not Reported		
Vert coord refsys:	Not Reported	Countrycode:	US
Aquifername:	California Coastal Basin aquifers		
Formation type:	Not Reported		
Aquifer type:	Not Reported		
Construction date:	Not Reported	Welldepth:	630
Welldepth units:	ft	Wellholeddepth:	640
Wellholeddepth units:	ft		

Ground-water levels, Number of Measurements: 0

**20**  
**SW**  
**1/2 - 1 Mile**  
**Lower**

**FED USGS      USGS40000142251**

Org. Identifier:	USGS-CA		
Formal name:	USGS California Water Science Center		
Monloc Identifier:	USGS-340942118172401		
Monloc name:	001N013W19D003S		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	18070105	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	34.1616734
Longitude:	-118.2909097	Sourcemap scale:	24000
Horiz Acc measure:	1	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	Not Reported
Vert measure units:	Not Reported	Vertacc measure val:	Not Reported
Vert accmeasure units:	Not Reported		
Vertcollection method:	Not Reported		
Vert coord refsys:	Not Reported	Countrycode:	US
Aquifername:	California Coastal Basin aquifers		
Formation type:	Not Reported		

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Aquifer type:	Not Reported	Welldepth:	578
Construction date:	Not Reported	Wellholedepth:	606
Welldepth units:	ft		
Wellholedepth units:	ft		

Ground-water levels, Number of Measurements: 0

**21**  
**South**  
**1/2 - 1 Mile**  
**Lower**

**FED USGS      USGS40000142182**

Org. Identifier:	USGS-CA		
Formal name:	USGS California Water Science Center		
Monloc Identifier:	USGS-340918118165601		
Monloc name:	001N013W19F003S		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	18070105	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	34.1550071
Longitude:	-118.2831315	Sourcemap scale:	24000
Horiz Acc measure:	1	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	Not Reported
Vert measure units:	Not Reported	Vertacc measure val:	Not Reported
Vert accmeasure units:	Not Reported		
Vertcollection method:	Not Reported		
Vert coord refsys:	Not Reported	Countrycode:	US
Aquifername:	Other aquifers		
Formation type:	Not Reported		
Aquifer type:	Not Reported		
Construction date:	Not Reported	Welldepth:	586
Welldepth units:	ft	Wellholedepth:	Not Reported
Wellholedepth units:	Not Reported		

Ground-water levels, Number of Measurements: 0

**C22**  
**West**  
**1/2 - 1 Mile**  
**Lower**

**CA WELLS      606**

**Water System Information:**

Prime Station Code:	01N/14W-24D04 S	User ID:	MET
FRDS Number:	1910067039	County:	Los Angeles
District Number:	15	Station Type:	WELL/AMBNT/MUN/INTAKE/SUPPLY
Water Type:	Well/Groundwater	Well Status:	Inactive Raw
Source Lat/Long:	341000.0 1181800.0	Precision:	Undefined
Source Name:	HEADWORKS WELL 27 - INACTIVE		
System Number:	1910067		
System Name:	LOS ANGELES-CITY, DEPT. OF WATER & POWER		
Organization That Operates System:	P.O. BOX 51111, ROOM 1420		
	LOS ANGELES, CA 90051		
Pop Served:	3700000	Connections:	657422
Area Served:	LOS ANGELES		



# GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID  
 Direction  
 Distance  
 Elevation

Database      EDR ID Number

**C23**  
**West**  
**1/2 - 1 Mile**  
**Lower**

**CA WELLS      605**

**Water System Information:**

Prime Station Code:	01N/14W-24D03 S	User ID:	MET
FRDS Number:	1910067038	County:	Los Angeles
District Number:	15	Station Type:	WELL/AMBNT/MUN/INTAKE/SUPPLY
Water Type:	Well/Groundwater	Well Status:	Inactive Raw
Source Lat/Long:	341000.0 1181800.0	Precision:	Undefined
Source Name:	HEADWORKS WELL 26 - INACTIVE		
System Number:	1910067		
System Name:	LOS ANGELES-CITY, DEPT. OF WATER & POWER		
Organization That Operates System:	P.O. BOX 51111, ROOM 1420 LOS ANGELES, CA 90051		
Pop Served:	3700000	Connections:	657422
Area Served:	LOS ANGELES		

**C24**  
**West**  
**1/2 - 1 Mile**  
**Lower**

**CA WELLS      607**

**Water System Information:**

Prime Station Code:	01N/14W-24D05 S	User ID:	MET
FRDS Number:	1910067040	County:	Los Angeles
District Number:	15	Station Type:	WELL/AMBNT/MUN/INTAKE/SUPPLY
Water Type:	Well/Groundwater	Well Status:	Inactive Raw
Source Lat/Long:	341000.0 1181800.0	Precision:	Undefined
Source Name:	HEADWORKS WELL 28 - INACTIVE		
System Number:	1910067		
System Name:	LOS ANGELES-CITY, DEPT. OF WATER & POWER		
Organization That Operates System:	P.O. BOX 51111, ROOM 1420 LOS ANGELES, CA 90051		
Pop Served:	3700000	Connections:	657422
Area Served:	LOS ANGELES		

**C25**  
**West**  
**1/2 - 1 Mile**  
**Lower**

**CA WELLS      609**

**Water System Information:**

Prime Station Code:	01N/14W-24F06 S	User ID:	MET
FRDS Number:	1910067037	County:	Los Angeles
District Number:	15	Station Type:	WELL/AMBNT/MUN/INTAKE/SUPPLY
Water Type:	Well/Groundwater	Well Status:	Inactive Raw
Source Lat/Long:	341000.0 1181800.0	Precision:	Undefined
Source Name:	HEADWORKS WELL 25 - INACTIVE		

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

System Number: 1910067  
System Name: LOS ANGELES-CITY, DEPT. OF WATER & POWER  
Organization That Operates System:  
P.O. BOX 51111, ROOM 1420  
LOS ANGELES, CA 90051  
Pop Served: 3700000  
Area Served: LOS ANGELES  
Connections: 657422

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**C26**  
**West**  
**1/2 - 1 Mile**  
**Lower**

**CA WELLS 608**

### Water System Information:

Prime Station Code:	01N/14W-24D06 S	User ID:	MET
FRDS Number:	1910067041	County:	Los Angeles
District Number:	15	Station Type:	WELL/AMBNT/MUN/INTAKE/SUPPLY
Water Type:	Well/Groundwater	Well Status:	Inactive Raw
Source Lat/Long:	341000.0 1181800.0	Precision:	Undefined
Source Name:	HEADWORKS WELL 29 - INACTIVE		
System Number:	1910067		
System Name:	LOS ANGELES-CITY, DEPT. OF WATER & POWER		
Organization That Operates System:	P.O. BOX 51111, ROOM 1420 LOS ANGELES, CA 90051		
Pop Served:	3700000	Connections:	657422
Area Served:	LOS ANGELES		

# GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID  
 Direction  
 Distance

Database      EDR ID Number

**1**  
**West**  
**1/2 - 1 Mile**

**OIL\_GAS      CAOG9A000033873**

Districtnu:	1	Apinumber:	03705598
Blmwell:	N	Redrillcan:	Not Reported
Dryhole:	N	Wellstatus:	I
Operatorna:	Henry E. Luttge		
Countyname:	Los Angeles	Fieldname:	Any Field
Areaname:	Any Area		
Section:	13		
Township:	01N	Range:	14W
Basemeridi:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Glat:	34.1706		
Glong:	-118.300616		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Not Reported	Wellnumber:	1
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	30-DEC-99
Welldeptha:	Not Reported	Redrillfoo:	Not Reported
Abandonedd:	//	Completion:	//
Gissymbol:	PDH	Site id:	CAOG9A000033873

# GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS RADON

## AREA RADON INFORMATION

State Database: CA Radon

### Radon Test Results

Zipcode	Num Tests	> 4 pCi/L
91201	15	0

Federal EPA Radon Zone for LOS ANGELES County: 2

- Note: Zone 1 indoor average level > 4 pCi/L.  
 : Zone 2 indoor average level >= 2 pCi/L and <= 4 pCi/L.  
 : Zone 3 indoor average level < 2 pCi/L.

---

Federal Area Radon Information for Zip Code: 91201

Number of sites tested: 1

Area	Average Activity	% <4 pCi/L	% 4-20 pCi/L	% >20 pCi/L
Living Area - 1st Floor	-1.000 pCi/L	100%	0%	0%
Living Area - 2nd Floor	Not Reported	Not Reported	Not Reported	Not Reported
Basement	Not Reported	Not Reported	Not Reported	Not Reported

# PHYSICAL SETTING SOURCE RECORDS SEARCHED

## TOPOGRAPHIC INFORMATION

### USGS 7.5' Digital Elevation Model (DEM)

Source: United States Geologic Survey

EDR acquired the USGS 7.5' Digital Elevation Model in 2002 and updated it in 2006. The 7.5 minute DEM corresponds to the USGS 1:24,000- and 1:25,000-scale topographic quadrangle maps. The DEM provides elevation data with consistent elevation units and projection.

### Scanned Digital USGS 7.5' Topographic Map (DRG)

Source: United States Geologic Survey

A digital raster graphic (DRG) is a scanned image of a U.S. Geological Survey topographic map. The map images are made by scanning published paper maps on high-resolution scanners. The raster image is georeferenced and fit to the Universal Transverse Mercator (UTM) projection.

## HYDROLOGIC INFORMATION

**Flood Zone Data:** This data, available in select counties across the country, was obtained by EDR in 2003 & 2011 from the Federal Emergency Management Agency (FEMA). Data depicts 100-year and 500-year flood zones as defined by FEMA.

**NWI:** National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002, 2005 and 2010 from the U.S. Fish and Wildlife Service.

## HYDROGEOLOGIC INFORMATION

### AQUIFLOW<sup>R</sup> Information System

Source: EDR proprietary database of groundwater flow information

EDR has developed the AQUIFLOW Information System (AIS) to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted to regulatory authorities at select sites and has extracted the date of the report, hydrogeologically determined groundwater flow direction and depth to water table information.

## GEOLOGIC INFORMATION

### Geologic Age and Rock Stratigraphic Unit

Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - A digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

### STATSGO: State Soil Geographic Database

Source: Department of Agriculture, Natural Resources Conservation Services

The U.S. Department of Agriculture's (USDA) Natural Resources Conservation Service (NRCS) leads the national Conservation Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps.

### SSURGO: Soil Survey Geographic Database

Source: Department of Agriculture, Natural Resources Conservation Services (NRCS)

Telephone: 800-672-5559

SSURGO is the most detailed level of mapping done by the Natural Resources Conservation Services, mapping scales generally range from 1:12,000 to 1:63,360. Field mapping methods using national standards are used to construct the soil maps in the Soil Survey Geographic (SSURGO) database. SSURGO digitizing duplicates the original soil survey maps. This level of mapping is designed for use by landowners, townships and county natural resource planning and management.

# PHYSICAL SETTING SOURCE RECORDS SEARCHED

## LOCAL / REGIONAL WATER AGENCY RECORDS

### FEDERAL WATER WELLS

#### PWS: Public Water Systems

Source: EPA/Office of Drinking Water

Telephone: 202-564-3750

Public Water System data from the Federal Reporting Data System. A PWS is any water system which provides water to at least 25 people for at least 60 days annually. PWSs provide water from wells, rivers and other sources.

#### PWS ENF: Public Water Systems Violation and Enforcement Data

Source: EPA/Office of Drinking Water

Telephone: 202-564-3750

Violation and Enforcement data for Public Water Systems from the Safe Drinking Water Information System (SDWIS) after August 1995. Prior to August 1995, the data came from the Federal Reporting Data System (FRDS).

#### USGS Water Wells: USGS National Water Inventory System (NWIS)

This database contains descriptive information on sites where the USGS collects or has collected data on surface water and/or groundwater. The groundwater data includes information on wells, springs, and other sources of groundwater.

### STATE RECORDS

#### Water Well Database

Source: Department of Water Resources

Telephone: 916-651-9648

#### California Drinking Water Quality Database

Source: Department of Public Health

Telephone: 916-324-2319

The database includes all drinking water compliance and special studies monitoring for the state of California since 1984. It consists of over 3,200,000 individual analyses along with well and water system information.

## OTHER STATE DATABASE INFORMATION

#### California Oil and Gas Well Locations

Source: Department of Conservation

Telephone: 916-323-1779

Oil and Gas well locations in the state.

### RADON

#### State Database: CA Radon

Source: Department of Health Services

Telephone: 916-324-2208

Radon Database for California

#### Area Radon Information

Source: USGS

Telephone: 703-356-4020

The National Radon Database has been developed by the U.S. Environmental Protection Agency (USEPA) and is a compilation of the EPA/State Residential Radon Survey and the National Residential Radon Survey. The study covers the years 1986 - 1992. Where necessary data has been supplemented by information collected at private sources such as universities and research institutions.

#### EPA Radon Zones

Source: EPA

Telephone: 703-356-4020

Sections 307 & 309 of IRAA directed EPA to list and identify areas of U.S. with the potential for elevated indoor radon levels.

## PHYSICAL SETTING SOURCE RECORDS SEARCHED

### OTHER

Airport Landing Facilities: Private and public use landing facilities  
Source: Federal Aviation Administration, 800-457-6656

Epicenters: World earthquake epicenters, Richter 5 or greater  
Source: Department of Commerce, National Oceanic and Atmospheric Administration

California Earthquake Fault Lines: The fault lines displayed on EDR's Topographic map are digitized quaternary fault lines, prepared in 1975 by the United State Geological Survey. Additional information (also from 1975) regarding activity at specific fault lines comes from California's Preliminary Fault Activity Map prepared by the California Division of Mines and Geology.

### STREET AND ADDRESS INFORMATION

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# **APPENDIX III**

## **PHOTOS**



# FIGURES



**Glenoaks**

1407 W. Glenoaks Boulevard  
Glendale, CA 91201

Inquiry Number: 3960998.12  
June 05, 2014

## The EDR Aerial Photo Decade Package



6 Armstrong Road, 4th Floor  
Shelton, Connecticut 06484  
Toll Free: 800.352.0050  
[www.edrnet.com](http://www.edrnet.com)

# EDR Aerial Photo Decade Package

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**Date EDR Searched Historical Sources:**

Aerial Photography June 05, 2014

**Target Property:**

1407 W. Glenoaks Boulevard

Glendale, CA 91201

<u><i>Year</i></u>	<u><i>Scale</i></u>	<u><i>Details</i></u>	<u><i>Source</i></u>
1928	Aerial Photograph. Scale: 1"=500'	Flight Year: 1928	EDR
1938	Aerial Photograph. Scale: 1"=500'	Flight Year: 1938	EDR
1940	Aerial Photograph. Scale: 1"=500'	Flight Year: 1940	Fairchild
1952	Aerial Photograph. Scale: 1"=500'	Flight Year: 1952	EDR
1954	Aerial Photograph. Scale: 1"=500'	Flight Year: 1954	EDR
1964	Aerial Photograph. Scale: 1"=500'	Flight Year: 1964	EDR
1972	Aerial Photograph. Scale: 1"=500'	Flight Year: 1972	EDR
1981	Aerial Photograph. Scale: 1"=500'	Flight Year: 1981	AMI
1989	Aerial Photograph. Scale: 1"=500'	Flight Year: 1989	USGS
1994	Aerial Photograph. Scale: 1"=500'	/DOQQ - acquisition dates: 1994	EDR
2005	Aerial Photograph. Scale: 1"=500'	Flight Year: 2005	EDR
2009	Aerial Photograph. Scale: 1"=500'	Flight Year: 2009	EDR
2010	Aerial Photograph. Scale: 1"=500'	Flight Year: 2010	EDR
2012	Aerial Photograph. Scale: 1"=500'	Flight Year: 2012	EDR



SITE

INQUIRY #: 3960998.12

YEAR: 1928

| = 500'





SITE

INQUIRY #: 3960998.12

YEAR: 1938

| = 500'





Site

INQUIRY #: 3960998.12

YEAR: 1940

| = 500'





SITE

INQUIRY #: 3960998.12

YEAR: 1954

| = 500'







SITE

INQUIRY #: 3960998.12

YEAR: 1964

| = 500'





SITE



INQUIRY #: 3960998.12

YEAR: 1989

| = 500'





SITE

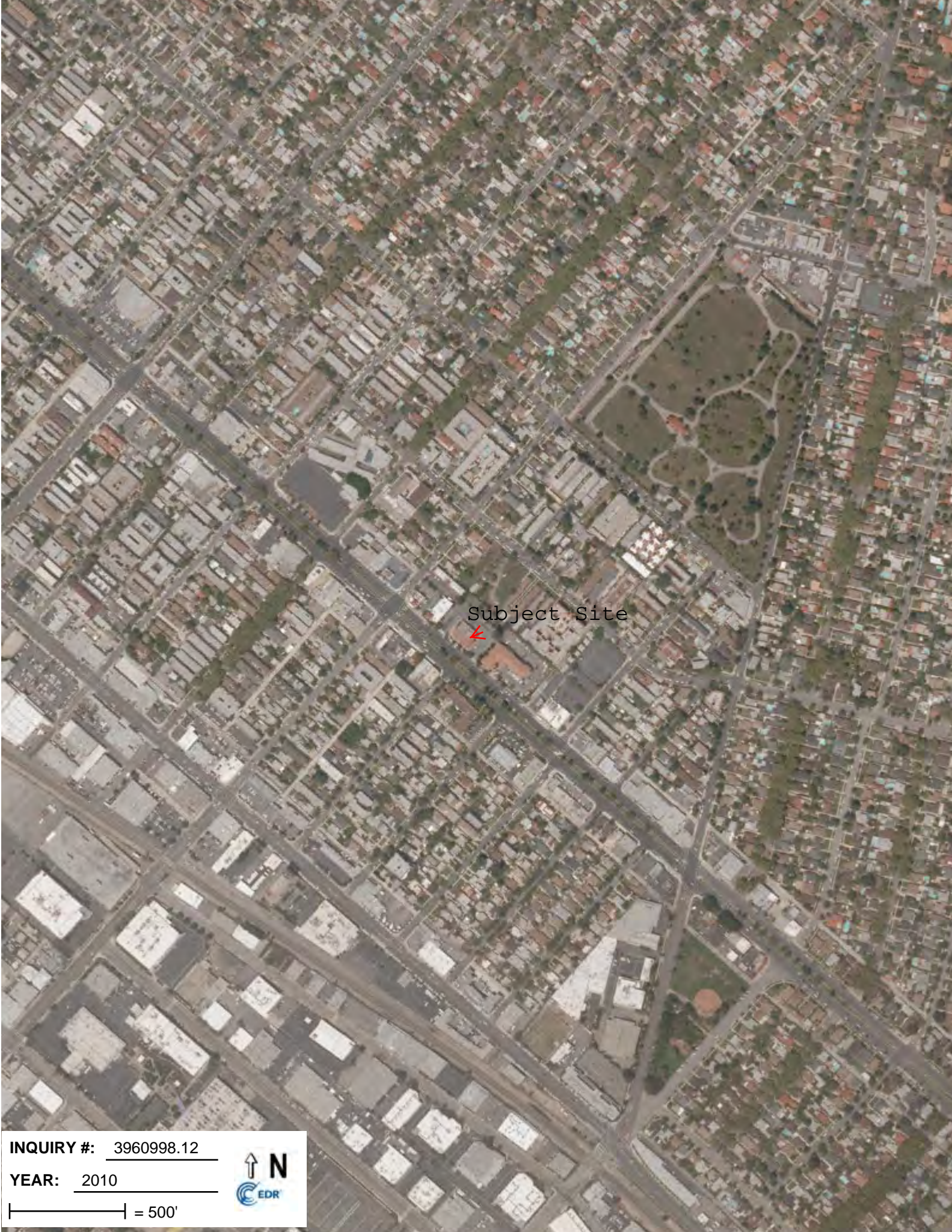


INQUIRY #: 3960998.12

YEAR: 1994

| = 500'





Subject Site

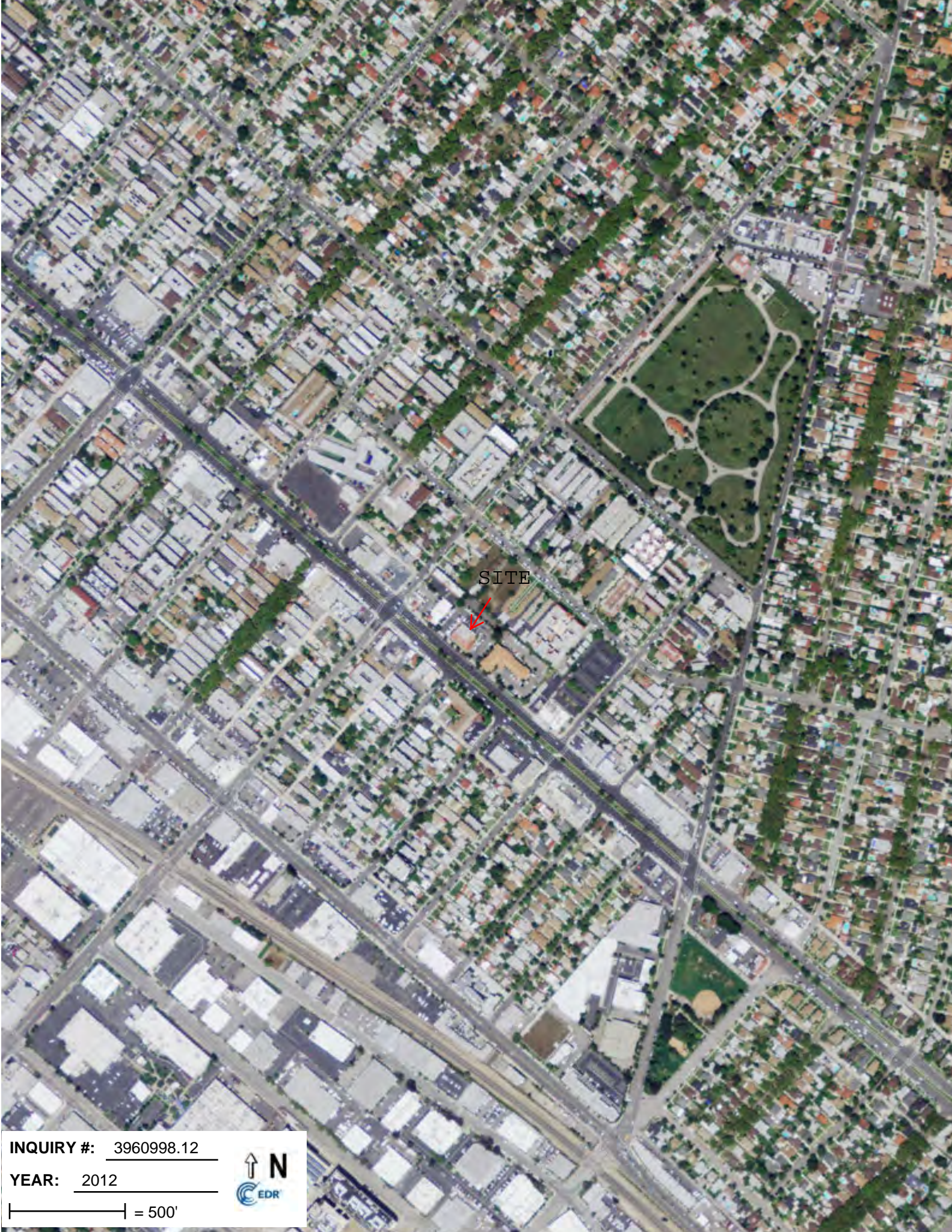


INQUIRY #: 3960998.12

YEAR: 2010

| = 500'





SITE



INQUIRY #: 3960998.12

YEAR: 2012

| = 500'



# DRAWINGS



**Summary**

**Filename** 831\_Data.034  
**Serial Number** 3171  
**Model** Model 831  
**Firmware Version** 2.205  
**User**  
**Location**  
**Job Description**  
**Note**  
**Measurement Description**  
**Start** 2014/07/23 7:24:59  
**Stop** 2014/07/23 7:41:01  
**Duration** 0:16:01.9  
**Run Time** 0:16:01.9  
**Pause** 0:00:00.0

**Pre Calibration** 2014/07/22 14:42:31  
**Post Calibration** None  
**Calibration Deviation** ---

**Overall Settings**

**RMS Weight** A Weighting  
**Peak Weight** A Weighting  
**Detector** Slow  
**Preamp** PRM831  
**Microphone Correction** Off  
**Integration Method** Linear  
**OBA Range** Normal  
**OBA Bandwidth** 1/1 and 1/3  
**OBA Freq. Weighting** A Weighting  
**OBA Max Spectrum** Bin Max  
**Gain** 0.0 dB  
**Overload** 144.8 dB

	<b>A</b>	<b>C</b>	<b>Z</b>
<b>Under Range Peak</b>	<b>77.3</b>	74.3	79.3 dB
<b>Under Range Limit</b>	<b>26.5</b>	26.9	32.6 dB
<b>Noise Floor</b>	17.3	17.7	23.1 dB

**Results**

**LAeq** 57.4 dB  
**LAE** 87.2 dB  
**EA** 58.761  $\mu\text{Pa}^2\text{h}$   
**LApeak (max)** 2014/07/23 7:34:51 87.7 dB  
**LASmax** 2014/07/23 7:31:27 71.2 dB  
**LASmin** 2014/07/23 7:27:03 45.2 dB



**Summary**

**Filename** 831\_Data.035  
**Serial Number** 3171  
**Model** Model 831  
**Firmware Version** 2.205  
**User**  
**Location**  
**Job Description**  
**Note**  
**Measurement Description**  
**Start** 2014/07/23 7:47:52  
**Stop** 2014/07/23 8:03:54  
**Duration** 0:16:01.8  
**Run Time** 0:16:01.8  
**Pause** 0:00:00.0

**Pre Calibration** 2014/07/22 14:42:31  
**Post Calibration** None  
**Calibration Deviation** ---

**Overall Settings**

**RMS Weight** A Weighting  
**Peak Weight** A Weighting  
**Detector** Slow  
**Preamp** PRM831  
**Microphone Correction** Off  
**Integration Method** Linear  
**OBA Range** Normal  
**OBA Bandwidth** 1/1 and 1/3  
**OBA Freq. Weighting** A Weighting  
**OBA Max Spectrum** Bin Max  
**Gain** 0.0 dB  
**Overload** 144.8 dB

	<b>A</b>	<b>C</b>	<b>Z</b>
<b>Under Range Peak</b>	<b>77.3</b>	74.3	79.3 dB
<b>Under Range Limit</b>	<b>26.5</b>	26.9	32.6 dB
<b>Noise Floor</b>	17.3	17.7	23.1 dB

**Results**

**LAeq** 61.2 dB  
**LAE** 91.0 dB  
**EA** 140.196  $\mu\text{Pa}^2\text{h}$   
**LApeak (max)** 2014/07/23 7:58:05 92.8 dB  
**LASmax** 2014/07/23 7:57:16 78.9 dB  
**LASmin** 2014/07/23 7:47:52 48.4 dB

**Summary**

**Filename** 831\_Data.037  
**Serial Number** 3171  
**Model** Model 831  
**Firmware Version** 2.205  
**User**  
**Location**  
**Job Description**  
**Note**  
**Measurement Description**  
**Start** 2014/07/23 8:30:46  
**Stop** 2014/07/23 8:46:48  
**Duration** 0:16:01.6  
**Run Time** 0:16:01.6  
**Pause** 0:00:00.0

**Pre Calibration** 2014/07/22 14:42:31  
**Post Calibration** None  
**Calibration Deviation** ---

**Overall Settings**

**RMS Weight** A Weighting  
**Peak Weight** A Weighting  
**Detector** Slow  
**Preamp** PRM831  
**Microphone Correction** Off  
**Integration Method** Linear  
**OBA Range** Normal  
**OBA Bandwidth** 1/1 and 1/3  
**OBA Freq. Weighting** A Weighting  
**OBA Max Spectrum** Bin Max  
**Gain** 0.0 dB  
**Overload** 144.8 dB

	<b>A</b>	<b>C</b>	<b>Z</b>
<b>Under Range Peak</b>	<b>77.3</b>	74.3	79.3 dB
<b>Under Range Limit</b>	<b>26.5</b>	26.9	32.6 dB
<b>Noise Floor</b>	17.3	17.7	23.1 dB

**Results**

**LAeq** 58.3 dB  
**LAE** 88.1 dB  
**EA** 71.449  $\mu\text{Pa}^2\text{h}$   
**LApeak (max)** 2014/07/23 8:35:53 95.0 dB  
**LASmax** 2014/07/23 8:32:53 74.2 dB  
**LASmin** 2014/07/23 8:35:08 40.8 dB

**Summary**

**Filename** 831\_Data.036  
**Serial Number** 3171  
**Model** Model 831  
**Firmware Version** 2.205  
**User**  
**Location**  
**Job Description**  
**Note**  
**Measurement Description**  
**Start** 2014/07/23 8:10:20  
**Stop** 2014/07/23 8:26:21  
**Duration** 0:16:01.6  
**Run Time** 0:16:01.6  
**Pause** 0:00:00.0

**Pre Calibration** 2014/07/22 14:42:31  
**Post Calibration** None  
**Calibration Deviation** ---

**Overall Settings**

**RMS Weight** A Weighting  
**Peak Weight** A Weighting  
**Detector** Slow  
**Preamp** PRM831  
**Microphone Correction** Off  
**Integration Method** Linear  
**OBA Range** Normal  
**OBA Bandwidth** 1/1 and 1/3  
**OBA Freq. Weighting** A Weighting  
**OBA Max Spectrum** Bin Max  
**Gain** 0.0 dB  
**Overload** 144.8 dB

	<b>A</b>	<b>C</b>	<b>Z</b>
<b>Under Range Peak</b>	<b>77.3</b>	74.3	79.3 dB
<b>Under Range Limit</b>	<b>26.5</b>	26.9	32.6 dB
<b>Noise Floor</b>	17.3	17.7	23.1 dB

**Results**

**LAeq** 57.2 dB  
**LAE** 87.0 dB  
**EA** 56.251  $\mu\text{Pa}^2\text{h}$   
**LApeak (max)** 2014/07/23 8:26:04 90.5 dB  
**LASmax** 2014/07/23 8:14:04 70.6 dB  
**LASmin** 2014/07/23 8:23:58 45.1 dB





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**1407 W. Glenoaks**  
**Traffic Impact Analysis**  
City Of Glendale, CA  
September 10, 2014



Prepared by:

Jano Baghdanian, P.E.

Jano Baghdanian & Associates

Traffic, Transportation & Parking Consultants

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## Appendix

Appendix A: Manual Traffic Counts

Appendix B: Level of Service Worksheets

Appendix C: Explanation of Level of Service Categories

Appendix D: Related Project Trip Assignment

## 1.0 INTRODUCTION

This Traffic and Parking Analysis study is consistent with the traffic study guidelines as set forth by the City of Glendale and follows the requirements of the *2010 Congestion Management Program for Los Angeles County*. After a consultation with the City of Glendale Traffic & Transportation Division Staff, it was determined that a total of (2) intersections would be analyzed and evaluated for potential project related traffic impacts. The method used by this traffic analysis to analyze the required intersections is the Intersection Capacity Utilization (ICU) Method. This method was used to evaluate the Level of Service (LOS) at each intersection by first determining their respective volume-to-capacity ratios.

The following scenarios were evaluated in this analysis:

- Existing AM and PM Peak Conditions
- Existing AM and PM Peak Conditions with proposed project
- Future conditions (Year 2016) without project (Existing plus related projects/ambient growth)
- Future conditions (Year 2016) with proposed project

The potential project related impacts were determined and required mitigations, if necessary, are included as part of the traffic analysis.



## 2.0 PROJECT DESCRIPTION

The Project site is bound by Glenoaks Boulevard to the south, Extended Stay America hotel to the east along Glenoaks Boulevard, and a 1-story commercial buildings to the west along Glenoaks Boulevard. The project consists of the construction of approximately 76 multi-family residential units (Studio, 1 bedroom, and 2 bedroom) and a 12,900 Sq. Ft. Retail space. The proposed project would include the demolition and removal of the existing vacant restaurant building.

## 3.0 PROJECT ACCESS

The entrance to the Project site would be from a driveway that provides access to Glenoaks Boulevard. Due to the raised center median on Glenoaks Boulevard, project traffic entering and exiting the site must travel westbound on Glenoaks Boulevard. Please refer to **Figure 1** for an illustration of the proposed project's site plan.

## 4.0 EXISTING DAILY VOLUME TRAFFIC

Traffic counts were taken for vehicular turning movements at the following signalized intersections:

- (1) Glenoaks Boulevard and Sonora Avenue
- (2) Glenoaks Boulevard and Grandview Avenue

The traffic counts were performed on August 28, 2014 at the above intersections during typical commuter hours to determine peak traffic counts. The findings show that typical peak traffic for morning and afternoon hours occur during the hours of 7:00 - 9:00 A.M. and 4:00 – 6:00 P.M. respectively.

Please refer to **Appendix A** for the manual traffic counts. Please also refer to **Figure 2** for a depiction of the lane configurations for the study intersections and **Figure 3** for an illustration of the AM and PM peak hour turning movement counts for the study intersections.

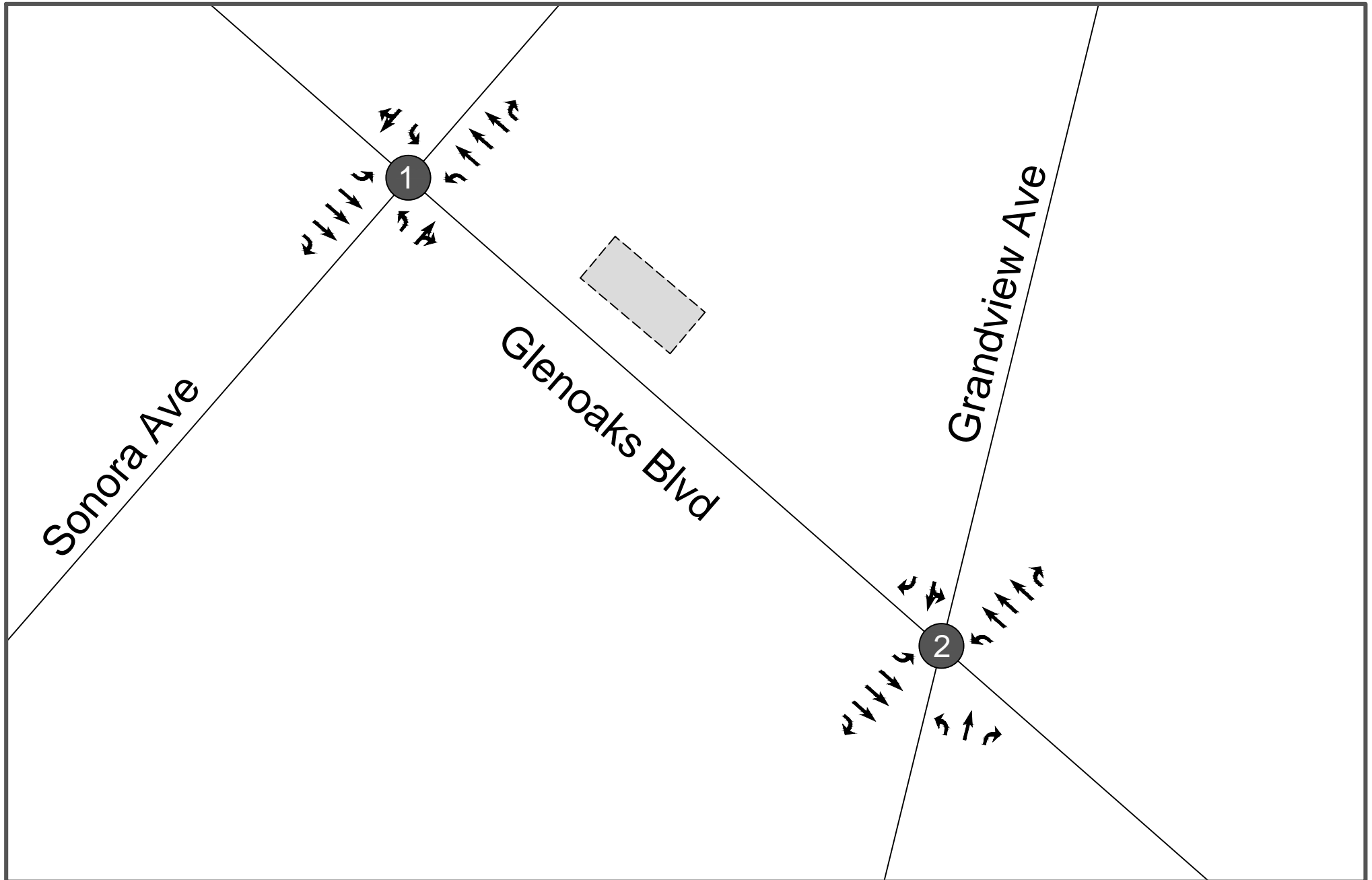


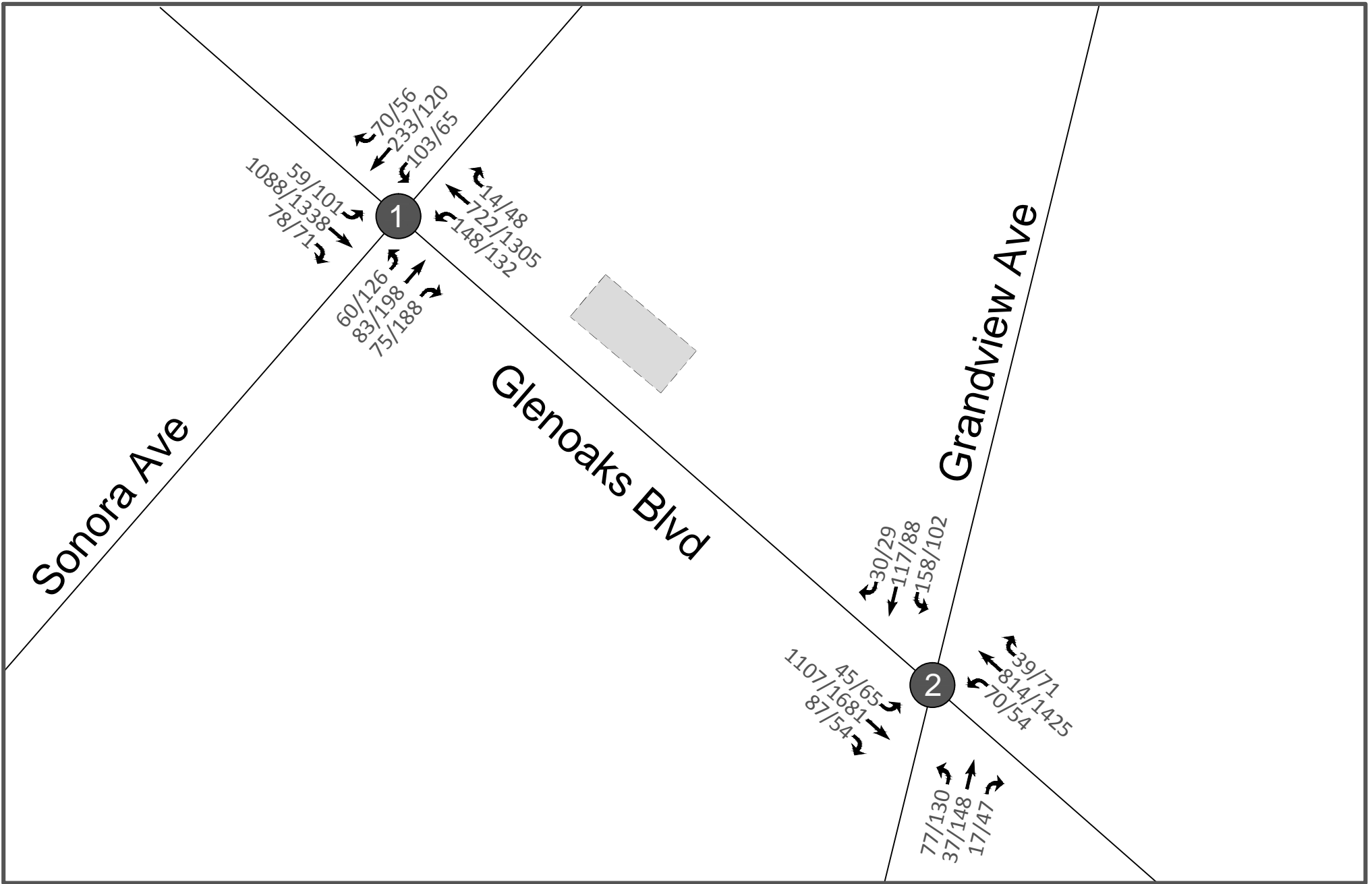
GROUND LEVEL PLAN

0 10' 30' 60' SCALE: NTS  
05.29.2014



GROUND LEVEL PLAN  
PROJECT: 1407 W GLENOAKS BLVD., GLENDALE, CA





XXX/XXX = AM Peak/PM Peak

= Project Site



## 5.0 PROJECT TRIP GENERATION

Trip rates from the Institute of Transportation Engineers (ITE) *Trip Generation Manual 9<sup>th</sup> Edition* were used in this analysis.

The trip generation calculations are consistent with recently approved Traffic Impact Studies. In particular the following reductions for walk-in/internal capture is the same as that used on the recently approved Glendale Link Project located on the corner of San Fernando Road and Central Avenue.

- A 10% walk-in/internal capture reduction was applied to the Retail component of the project as the tenants of this component of the development are expected to attract a significant portion of its customers from either within the project site itself or the surrounding commercial and residential areas.

**Table 1** summarizes the trip generation findings. As shown in the table, the proposed project is forecast to result in 50 net new a.m. peak hour trips and 90 net new p.m. peak hour trips.

*Table 1: Project Trip Generation<sup>1</sup>*

Land Use (ITE Code)	Size	Units	AM Peak Hour Trips				PM Peak Hour Trips				Daily Trips	
			Rate	Total	In	Out	Rate	Total	In	Out	Rate	Total
<b>New Project Land Use Added</b>												
Residential Apartments (220)	76	du	0.51	39	20% 8	80% 31	0.62	47	65% 31	35% 16	6.65	505
Retail (820)	12.9	tsf	0.96	12	48% 6	52% 6	3.71	48	44% 21	56% 27	42.7	551
10% Less Walk-In/Internal Capture Reduction <sup>2</sup>				-1	0	-1	-	-5	-2	-3	-	-55
<b>Net Trip Generation</b>				50	14	36	-	90	50	40	-	1001

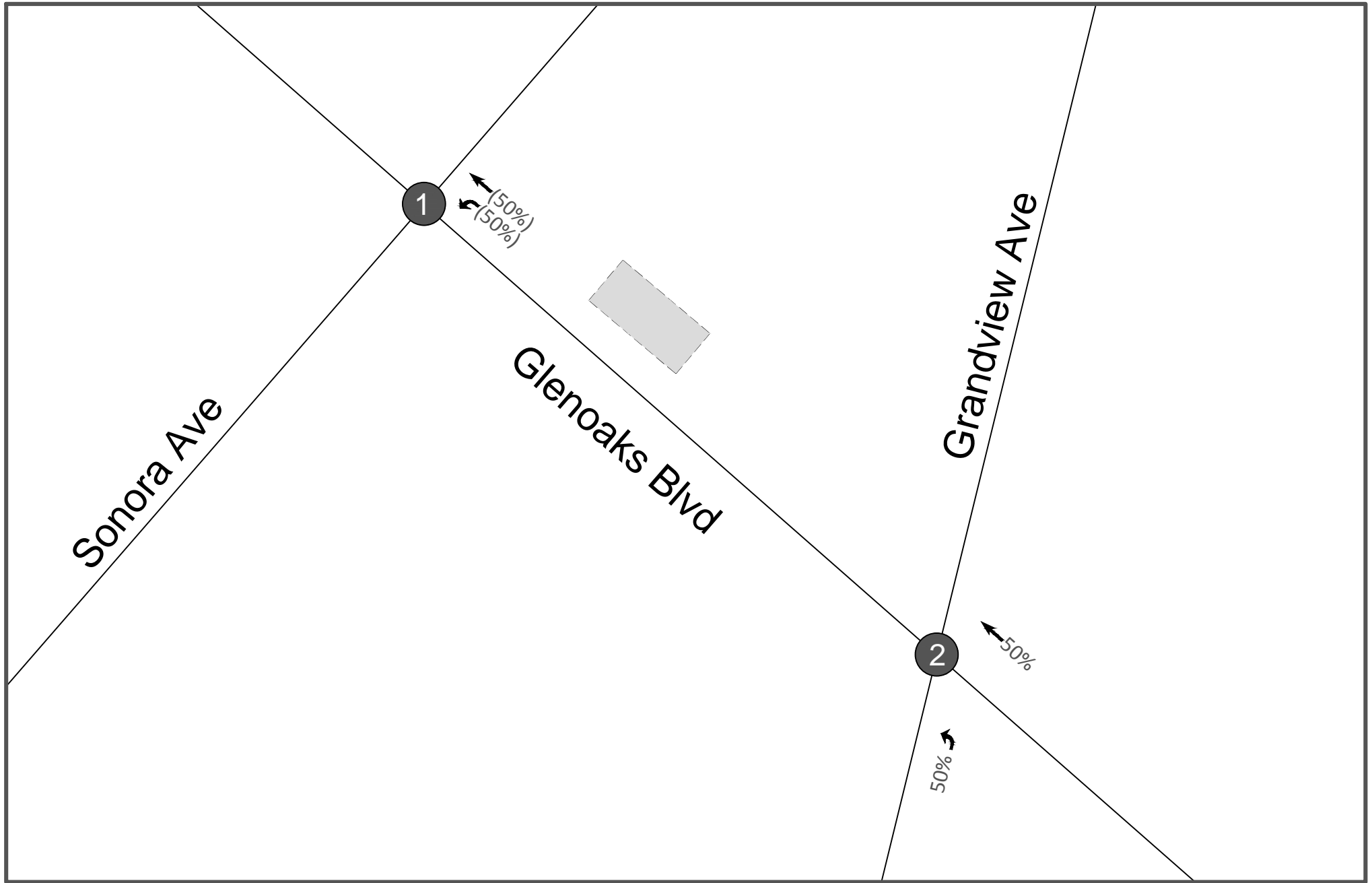
<sup>1</sup> ITE "Trip Generation" Manual, 9th Edition, 2012

<sup>2</sup> A Walk-In/Internal Capture rate was applied to account for walk-in patrons and the mixed-use development characteristic


## 6.0 PROJECT TRIP DISTRIBUTION/ASSIGNMENT

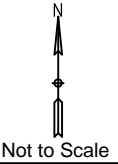
Trip distribution assumptions are used to determine the origin and destination of new vehicle trips associated with the project. The geographic distribution of project trips is based on recently completed traffic studies (provided by the City of Glendale) in the area, functional classification of streets in the vicinity, the magnitude of traffic volumes, as well as local knowledge of the roadway network. The Proposed Project Trip Distribution in the project vicinity is shown in **Figure 4**. Please also refer to **Figures 5 & 6** for the Trip Assignment at the Project Driveways and Surrounding Roadway Systems respectively.

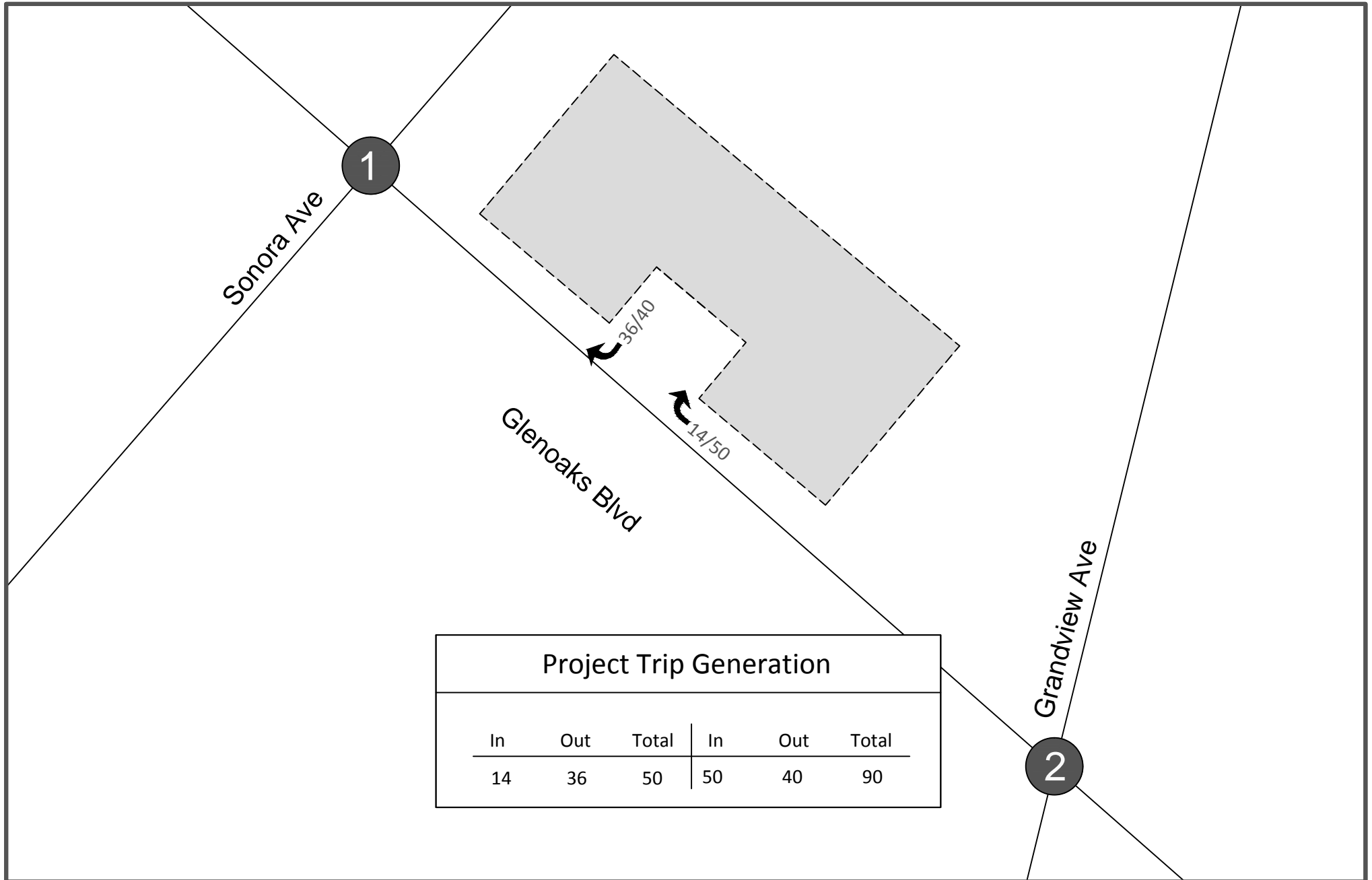
Based on the project trip generation shown in **Table 1** and the proposed trip distribution patterns shown in **Figure 4**, a proposed study area for the future traffic analysis was derived. The location and the number of the intersections to be analyzed was reviewed and approved by the Department of Public Works Traffic and Transportation staff.



XX (XX) = Inbound (Outbound)

 = Project Site

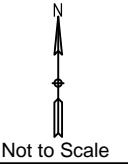




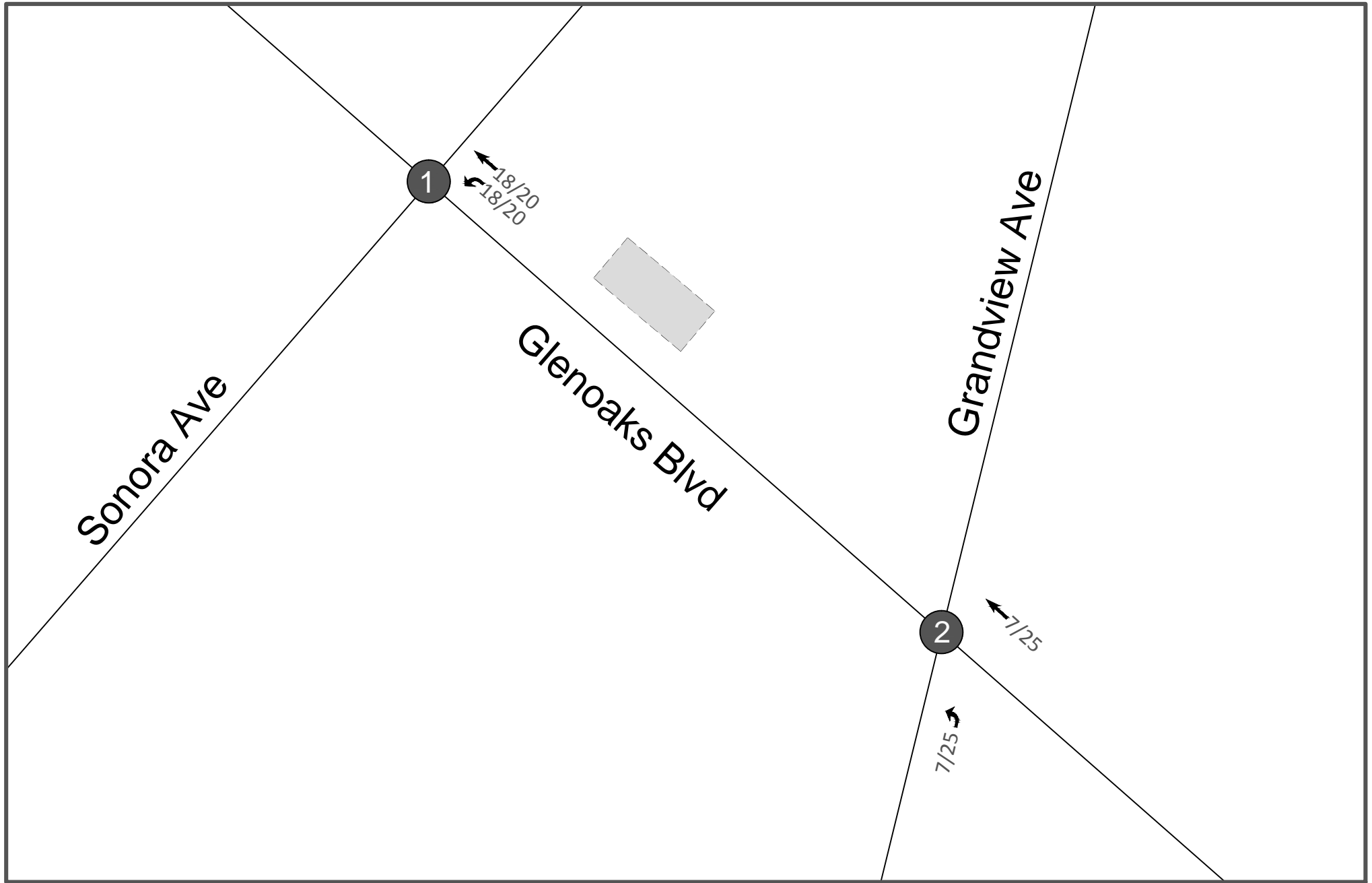
Project Trip Generation					
In	Out	Total	In	Out	Total
14	36	50	50	40	90

XXX/XXX = AM PEAK/PM PEAK


= Project Site

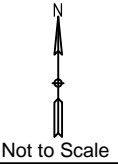






XXX/XXX = AM PEAK/PM PEAK

 = Project Site



Not to Scale

## 7.0 RELATED PROJECTS & AMBIENT GROWTH

Future peak hour traffic projections for the study intersections have been evaluated to include growth due to (1) related projects in development and (2) ambient traffic growth.

### 7.1 Trip Generation for Related Projects

To understand the relative traffic impacts for the projected year of completion (2016), this traffic study analyzed potential traffic trips due to the development of related projects in the area. A list of related projects was provided by the City of Glendale Planning Department and their associated trip volumes were calculated using the ITE Trip Generation Manual, 9<sup>th</sup> edition. A list of these projects, with their corresponding traffic volumes, can be viewed in **Table 2**. Moreover, a map of the locations of these related projects, with respect to the Project, is shown in **Figure 7**. Please also refer to **Appendix D** for the related project trip assignment at the study intersections.

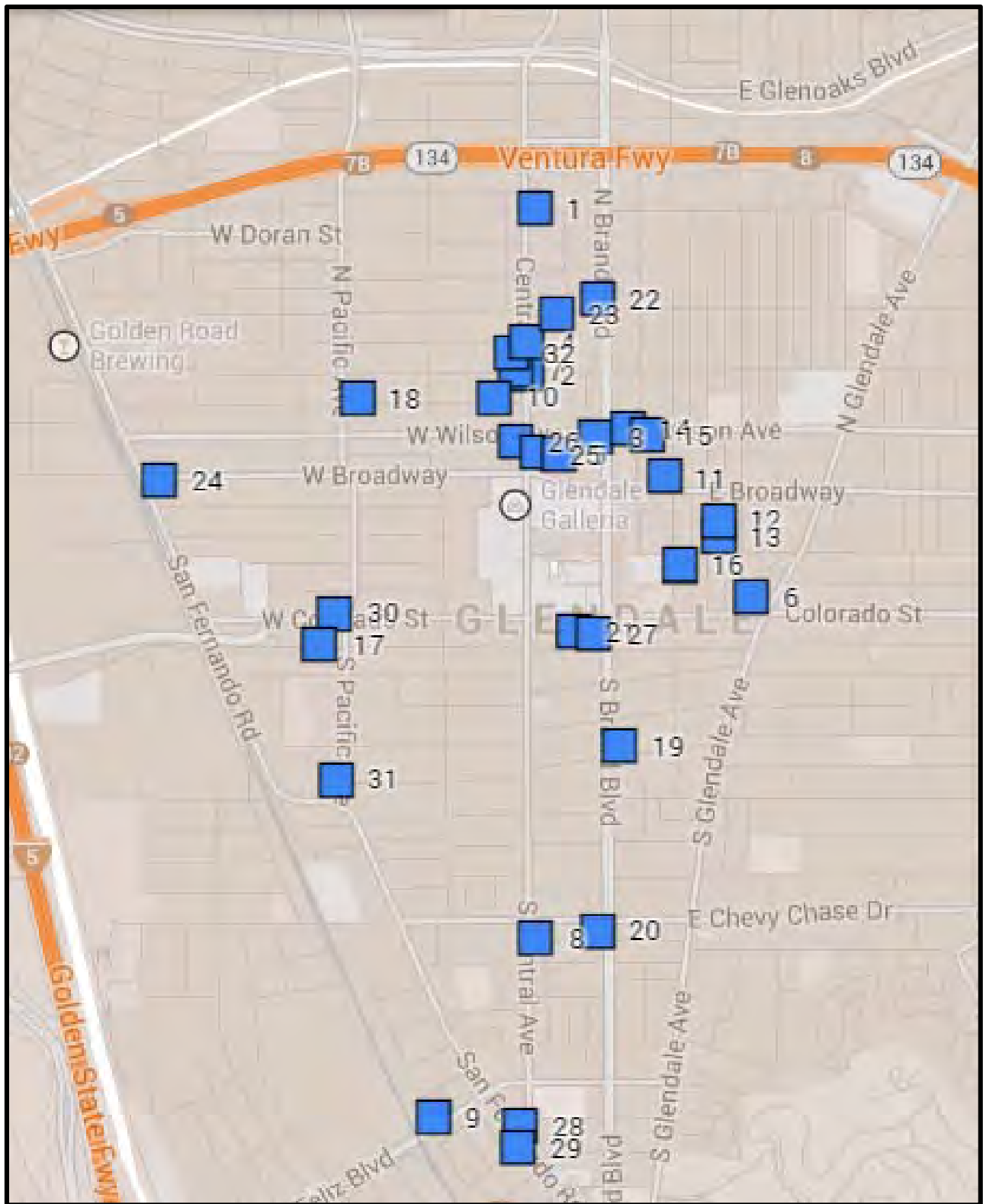
Only those projects with a potentially significant impact, and therefore a required traffic study, were included in the related projects list. Any other developing projects, that were considered small in nature, were encompassed in area wide ambient growth.

### 7.2 Ambient Traffic Growth

To account for the future traffic growth not included in the above related projects list (i.e. continuing development and intensification of existing development), the existing traffic volumes were increased by an ambient growth rate of 1% per year to the anticipated year of completion (2016). These values were then added to the potential traffic generated by the aforementioned related projects to accurately forecast future traffic conditions.

**TABLE 2: RELATED PROJECT TRIP GENERATION**

Project #	Project Name	Location	Land Use	Size	Unit	Daily Trips	Weekday Peak Hour					
							Morning			Evening		
							Inbound	Outbound	Total	Inbound	Outbound	Total
1	Verdugo Gardens	610 N. Central Ave	Multi-Family	235	DU	1563	24	96	120	95	54	146
2	Legendary Towers	300 N. Central Ave	Multi-Family	72	DU	479	7	30	37	29	16	45
			Live/Work	8	DU	53	1	3	4	3	2	5
			Commercial	1240	Sq.Ft.	53	1	0	1	2	3	5
3	Brand + Wilson	124 W. Wilson Ave	Multi-Family	235	DU	1563	24	96	120	95	51	146
			Commercial	9800	Sq.Ft.	418	6	3	9	17	19	36
			Multi-Family	307	DU	2042	31	126	157	124	66	190
4	The Lex on Orange	320-324 N. Central Ave.; 208 W. Lexington Dr.; and 317-345 N. Orange St.	Multi-Family	166	DU	1104	17	67	85	67	36	103
			Live/Work	5	DU	33	1	2	3	2	1	3
			Restaurant	2649	Sq.Ft.	337	16	13	29	16	10	26
6	Jackson & Colorado	228 S. Jackson St.	Multi-Family	28	DU	186	3	11	14	11	6	17
			Office	11470	Sq.Ft.	127	16	2	18	3	14	17
			Multi-Family	84	DU	559	9	34	43	34	18	52
7	Unnamed Project	301 N. Central Ave.	Commercial	3000	Sq.Ft.	128	2	1	3	5	6	11
			Office	4500	Sq.Ft.	50	6	1	7	1	6	7
8	Unnamed Project	1110 S. Central Ave.	Office	4500	Sq.Ft.	50	6	1	7	1	6	7
9	Tropico Apartments	435 W. Los Feliz	Multi-family	238	du	1583	24	97	121	96	52	148
10	Veterans Village of Glendale	327 Salem St.	Multi-Family	44	DU	293	4	18	22	18	9	27
11	Louise Gardens	111 N. Louise St.	Multi-Family	63	DU	419	6	26	32	25	14	39
12	Unnamed Project	118 S. Kenwood St.	Multi-Family	35	DU	233	4	14	18	14	8	22
13	Unnamed Project	128-132 S. Kenwood St.	Multi-Family	28	DU	186	3	11	14	11	6	17
14	Laemmle Cinema Lofts	111 E. Wilson Ave. and 215 N. Maryland Ave.	Multi-Family	42	DU	279	4	17	21	17	9	26
			Movie Theater	9690	Sq.Ft.	756	2	0	2	56	4	60
15	Hyatt Place Glendale	225 Wilson Ave.	Hotel	172	Room	1534	67	48	115	59	61	120
			Restaurant	1950	Sq.Ft.	248	12	9	21	11	8	19
16	Unnamed Project	200 S. Louise St.	Commercial Addition	3240	Sq.Ft.	138	2	1	3	6	6	12
17	Unnamed Project	525 W. Elk Ave.	Multi-Family	71	DU	472	7	29	36	29	15	44
18	Unnamed Project	463 Salem St.	Multi-Family	10	DU	67	1	4	5	4	2	6
19	Mercedes-Benz Dealership	622 S. Brand Ave.	Car Dealership	41000	Sq.Ft.	1324	59	20	79	43	64	107
20	Star Ford Dealership	1101 S. Brand Blvd.	Car Dealership	47977	Sq.Ft.	1550	69	23	92	50	76	126
21	Unnamed Project	124 W. Colorado St.	Multi-Family	50	DU	333	5	21	26	20	11	31
22	Brand Mixed-Use	411 N. Brand Blvd.	Multi-Family	229	DU	1419	10	92	102	90	38	128
			Restaurant	5000	Sq.Ft.							
23	Citi Bank Site	210 W. Lexington and 418 N. Central Ave	Multi-Family	540	DU	1510	-87	142	55	91	-55	36
			Drive-In Bank	4200	Sq.Ft.							
24	Unnamed Project	604-610 W. Broadway	Office	12802	Sq.Ft.	141	18	2	20	3	16	19
			Commercial	1620	Sq.Ft.	69	1	1	2	3	3	6
25	Central + Wilson	130 N. Central Ave	Multi-family	153	DU	1017	16	62	78	62	33	95
			Commercial	4900	Sq.Ft.	209	2	2	5	8	10	18
26	Unnamed Project	125 N Central Avenue	Multi-Family	164	DU	1,608	17	80	97	88	42	130
			Commercial Pharmacy	14,600	Sq.Ft.							
27	Hampton Inn & Suites	315 S. Brand Boulevard	Hotel	94	rooms	768	30	20	50	29	27	56
28	Glendale Triangle Project	3900 San Fernando Rd	Multi-Family	287	DU	1909	29	117	146	116	62	178
			Commercial	37,000	Sq.Ft.	1580	17	18	36	60	77	137
29	The Link	3901-3915 San Fernando Rd	Multi-family	142	DU	944	14	58	72	57	31	88
			Commercial	11,600	Sq.Ft.	495	5	6	11	19	24	43
			Studio	5,000	Sq.Ft.	55	7	1	8	1	6	7
30	CCTAN/Colorado Mixed-Use	507-525 W. Colorado St	Multi-family	90	DU	599	9	37	46	36	20	56
			Medical Office	18,000	Sq.Ft.	650	34	9	43	18	46	64
			Commercial	1,000	Sq.Ft.	43	0	0	1	2	2	4
31	Unnamed Project	619 S. Pacific	Multi-family	27	DU	180	3	11	14	11	6	17
32	Unnamed Project	319 N. Central Avenue	Apartments	94	du	625	10	38	48	38	20	58
			Retail	1987	sf	85	1	1	2	3	4	7
			(Less Internal Capture/Walk in)	-	-	-17	0	0	0	-1	-1	-2
			(Less Existing Office)	5977	sf	-66	-8	-1	-9	-2	-7	-9



**Figure 7**  
Related Project Map

## 8.0 METHOD OF TRAFFIC IMPACT ANALYSIS

The City of Glendale uses the Intersection Capacity Utilization (ICU) method to analyze the potential traffic related impacts created by the proposed development. This method relies on the determination of a Level of Service (LOS) at each of the study intersections by first determining their corresponding Volume-to-Capacity (v/c) ratios. The ICU method therefore essentially compares the volume of traffic against the capacity of an intersection. Please refer to **Appendix B** for the ICU calculations for the study intersections.

Level of Service varies from at best LOS A (free flow/excellent) to at worst LOS of F (stop-and-go/failure). A LOS A and F, according to the Highway Capacity Manual, correspond to a v/c ratio less than 0.600 and a v/c greater than 1.001 respectively. Please refer to **Appendix C** for a more detailed description of the various Levels of Services.

The v/c ratios are determined for the study intersection by analyzing both their A.M. and P.M. peak hours for each of the following scenarios:

- (1) Existing Traffic Condition
- (2) Existing Plus Project Traffic Condition
- (3) Future (2016) Without Project Traffic Conditions (Existing plus ambient growth & related projects)
- (4) Future (2016) With Project Traffic Conditions

To determine if the project would cause a significant increase in traffic, relative to the existing traffic system, the City of Glendale uses the following thresholds:

*Table 3: City of Glendale LOS Thresholds*

City of Glendale Signalized Intersection Impact Threshold Criteria		
Final v/c	Level of Service	Project-Related Increase in v/c
>0.800-.900	D	Equal to or greater than 0.020
>0.900-1.00	E	Equal to or greater than 0.020
>1.000	F	Equal to or greater than 0.020

Essentially, if a signalized intersection operates at a LOS of D or worse and has a project-related increase in its volume-to-capacity ratio of 0.020 or more, then a significant traffic impact would be caused by the project and mitigations may be needed.

## 9.0 TRAFFIC IMPACT ANALYSIS FINDINGS

The following scenarios were analyzed to determine the proposed project impact at the 2 study intersections. Each individual scenario is presented and analyzed in a table form to show the Volume to Capacity ratios as well as the individual turning movement volumes in the corresponding figures:

- (1) Existing Traffic Condition .....**Table 4, Figure 3**
- (2) Existing Plus Project Traffic Condition .....**Table 5, Figure 14**
- (3) Future (2016) Without Project Traffic Conditions .....**Table 6, Figure 15**  
(Existing plus ambient growth & related projects)
- (4) Future (2016) With Project Traffic Conditions.....**Table 7, Figure 16**

Overall, as shown in the referenced tables, there are no significant impacts due to the project for any of the listed scenarios.

## 9.1 Existing Level of Service

Please refer to **Table 4** for a list of the study intersections and their corresponding existing Levels of Services. Please note that both of the study intersections operate at a LOS of C or better in both the AM and PM Peak periods.

*Table 4: Existing Level of Service*

Intersection	Existing			
	AM		PM	
	V/C	LOS	V/C	LOS
<b>Glenoaks Boulevard &amp; Sonora Avenue</b>	0.646	B	0.743	C
<b>Glenoaks Boulevard &amp; Grandview Avenue</b>	0.514	A	0.640	B

## 9.2 Existing Plus Project Traffic Conditions

Please refer to **Table 5** for a list of the study intersections and their corresponding Levels of Services for the Existing Plus Project Traffic Conditions scenario.

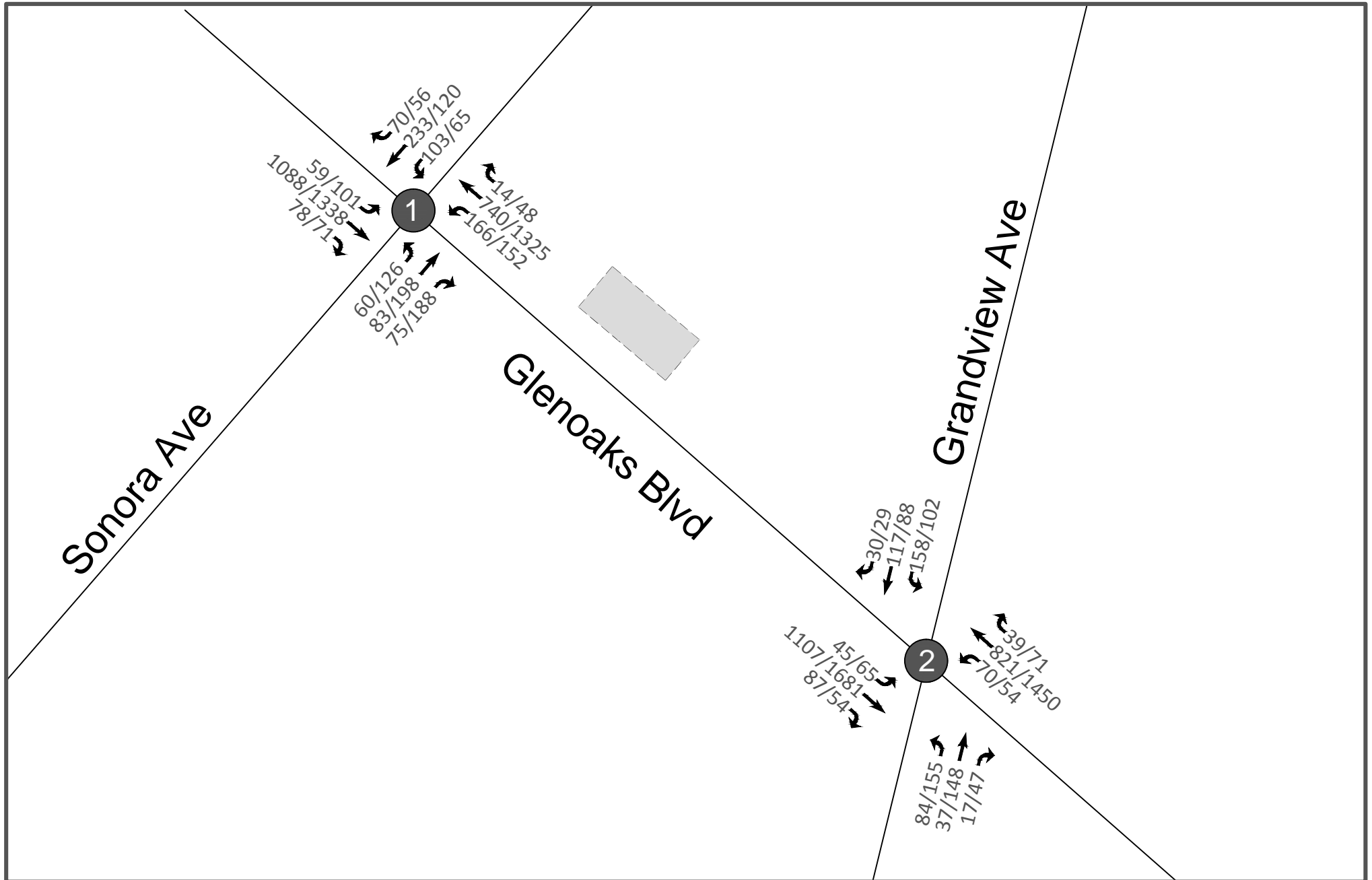
To determine the Existing Plus Project Traffic Conditions, the project related traffic was added to existing traffic conditions. Please refer to **Figure 8** for an illustration of the Existing Plus Project morning and evening peak hour intersection volumes.

Based on the City’s significance criteria, the study intersections would not be significantly impacted as a result of the addition of the project traffic.

*Table 5: Existing Plus Project Level of Service*

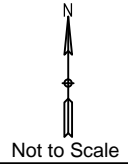
Intersection	Existing				Existing + Project							
	AM		PM		AM		Change in V/C	Significant Impact?	PM		Change in V/C	Significant Impact?
	V/C	LOS	V/C	LOS	V/C	LOS			V/C	LOS		
Glenoaks Boulevard & Sonora Avenue	0.646	B	0.743	C	0.657	B	0.011	No	0.756	C	0.013	No
Glenoaks Boulevard & Grandview Avenue	0.514	A	0.640	B	0.519	A	0.005	No	0.654	B	0.014	No





XXX/XXX = AM Peak/PM Peak

▭ = Project Site



### 9.3 Future (Year 2016) Without Project Traffic Conditions

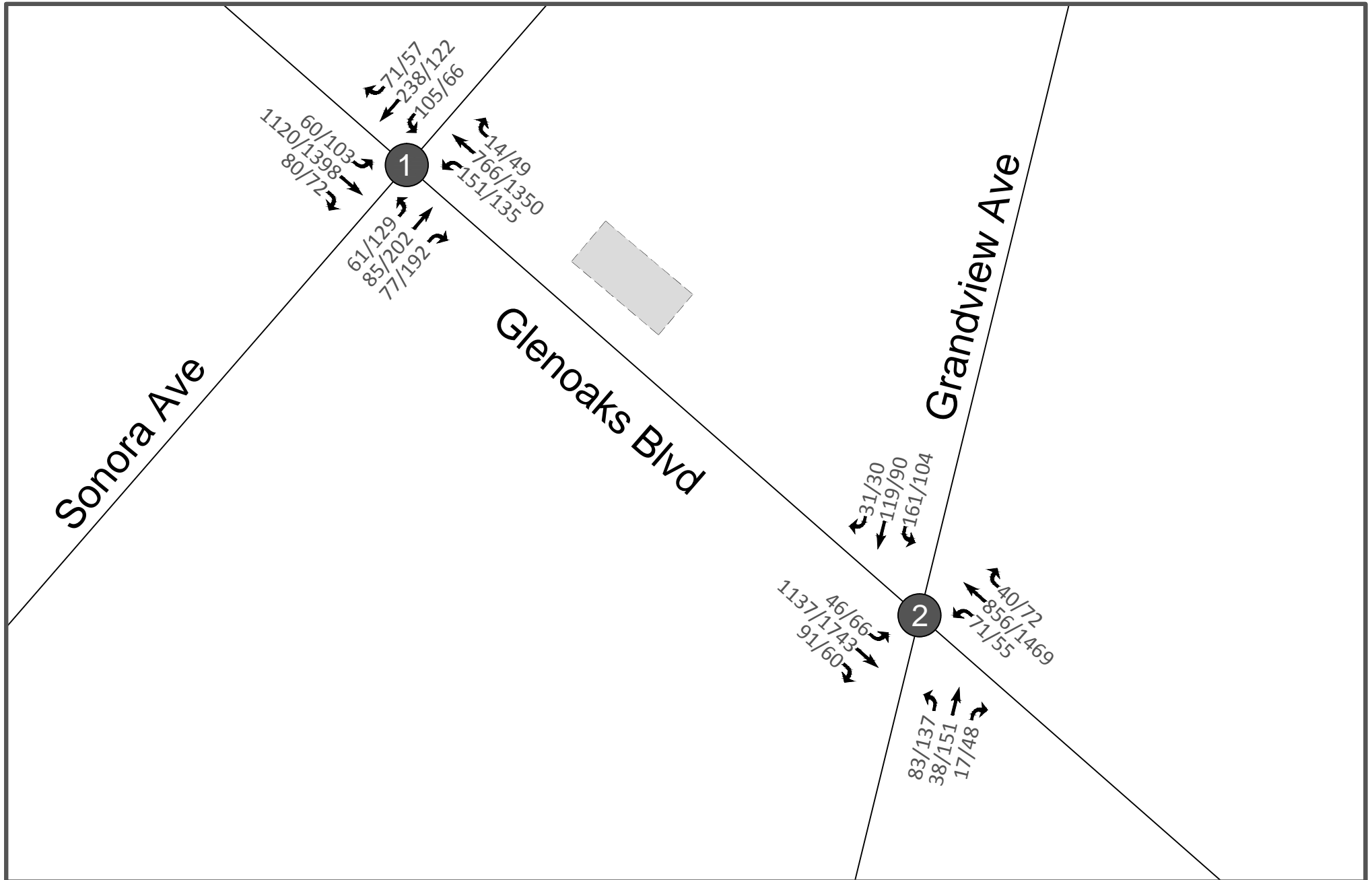
Please refer to **Table 6** for a list of the study intersections and their corresponding Levels of Services for the Future (Year 2016) Without Project Traffic Conditions scenario.

To determine the Future (Year 2016) Without Project Traffic Conditions, the trips generated by related projects (projects under construction, approved, and planned) was added to existing conditions. In addition an ambient growth factor was assumed for a general increase in traffic conditions in the area of the project. Annual ambient growth, per the City of Glendale Traffic & Transportation Division, is considered to be 1% per year for the purpose of this study. This will ensure that the evaluation of the future without project conditions versus the future with project conditions are done in a way that more accurately depicts actual future conditions.

**Table 2** lists the proposed land uses for the nearby related projects. Please refer to **Figure 9** for an illustration of the Future (Year 2016) without project traffic morning and evening peak hour intersection volumes.

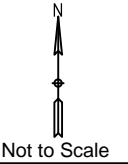
*Table 6: Future Without Project Level of Service*

Intersection	Future w/o Project			
	AM		PM	
	V/C	LOS	V/C	LOS
<b>Glenoaks Boulevard &amp; Sonora Avenue</b>	0.659	B	0.763	C
<b>Glenoaks Boulevard &amp; Grandview Avenue</b>	0.527	A	0.658	B



XXX/XXX = AM Peak/PM Peak

= Project Site



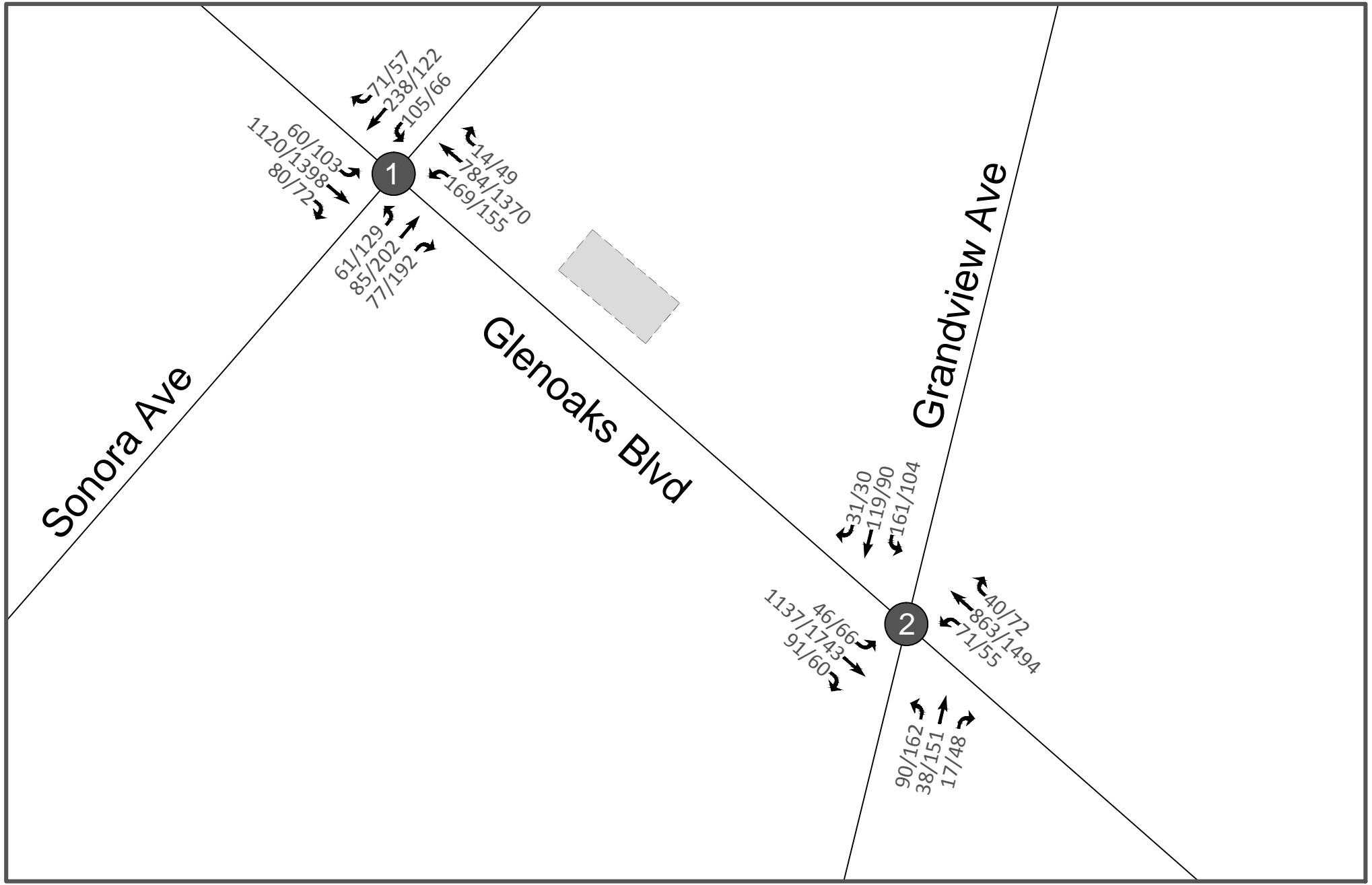
## 9.4 Future (Year 2016) With Project Traffic Conditions

Please refer to **Table 7** for a list of the study intersections and their corresponding Levels of Services for the Future (Year 2016) With Project Traffic Conditions scenario. To determine the Future (Year 2016) With Project Traffic Conditions, the traffic generated by the proposed project was added to the Future (Year 2016) Without Project Traffic Conditions. Please refer to **Figure 10** for an illustration of the Future (Year 2016) with project traffic morning and evening peak hour intersection volumes.

Based on the City’s significance criteria, the study intersections would not be significantly impacted as a result of the addition of the project traffic.

Table 7: Future Plus Project Level of Service

Intersection	Future w/o Project				Future + Project							
	AM		PM		AM		Change in V/C	Significant Impact?	PM		Change in V/C	Significant Impact?
	V/C	LOS	V/C	LOS	V/C	LOS			V/C	LOS		
Glenoaks Boulevard & Sonora Avenue	0.659	B	0.763	C	0.670	B	0.011	No	0.776	C	0.013	No
Glenoaks Boulevard & Grandview Avenue	0.527	A	0.658	B	0.531	A	0.004	No	0.674	B	0.016	No



XXX/XXX = AM Peak/PM Peak

= Project Site

N  
↑  
↓  
Not to Scale

## 10.0 CONGESTION MANAGEMENT PROGRAM (CMP) TRAFFIC IMPACT

Proposition 111, enacted in June 1990 by California voters, established a nine cent per gallon gas tax for the purpose of funding transportation related improvements statewide. In order to be eligible for the revenues created by the proposition, counties in California must adopt a Congestion Management Program. The purpose of the CMP is to ensure that a more collaborative approach is taken towards addressing traffic related impacts due to local growth. The proposed project follows the guidelines as set forth by the *2010 Congestion Management Program for Los Angeles County*. This traffic impact study analyzed CMP concerns related to Intersections, Freeways, and Transit.

### 10.1 Intersections

As set forth by the *2010 Congestion Management Program for Los Angeles County*, intersections designated to as CMP intersections must be identified and examined if the proposed project will add 50 or more trips during the A.M. or P.M. peak periods. There are no CMP intersection monitoring locations in the project study area. Therefore, no further review of potential impacts at any further intersections is needed to be in compliance with the *2010 Congestion Management Program for Los Angeles County*.

### 10.2 Freeways

The following CMP freeway monitoring locations have been identified in the project vicinity:

<u>CMP Station</u>	<u>Segment</u>
No. 1005	I-5 Freeway south of Colorado Boulevard Extension
No. 1055	SR-134 Freeway east of Central Avenue

The CMP guidelines, according to the *2010 Congestion Management Program for Los Angeles County*, require that freeway monitoring stations be examined if the proposed project will add 150 or more trips during either the A.M. or P.M. weekday peak periods. Given that the Project will not add 150 or more trips in either the A.M. or P.M. peaks, no further analysis is required.

### 10.3 Transit

Transit service is provided in the vicinity of the proposed Project. Therefore, as required by the *2010 Congestion Management Program for Los Angeles County*, a review has been made of the CMP transit service.

The CMP provides adjusted values to be used to evaluate the calculated project trip generation. The transit adjustment is as follows:

Person Trips = 1.4 times vehicle trips

Transit Trips = 3.5% (.035) of total person trips

Therefore, according to the Congestion Management Program guidelines, the proposed project is forecast to generate 3 transit trips during the A.M. peak hour and 5 transit trips during the P.M. Peak hour. Over a 24 hour period, the proposed project is forecast to generate 49 transit trips. The calculations are as follows:

A.M. Peak Hour = 50 Vehicle Trips x 1.4 x 0.035 = 3 Transit Trips

P.M. Peak Hour = 90 Vehicle Trips x 1.4 x 0.035 = 5 Transit Trips

Daily (24 hour period) = 1001 Vehicle Trips x 1.4 x 0.035 = 49 Transit Trips

The proposed Project is conveniently located in close proximity to several different transit routes including MTA Routes 92, 94, 183, and 794 as well as local transit route Glendale Beeline 7. It is therefore expected that the current transit system can adequately provide transit services based on the number of generated trips above. Therefore no transit related impacts are expected to occur as a result of the proposed project.

## 11.0 CONCLUSION/MITIGATION MEASURES

The Traffic Analysis study projected the trip generated by the proposed Project for the construction of 76 residential units and 12,900 Sqft retail center located at 1407 W. Glenoaks Blvd, Glendale, California. To evaluate the impacts of the trips projected to be generated by the project, 2 intersections were analyzed during the AM and PM peak hours. New traffic counts were conducted at both intersections and the Level of Service (LOS) of these intersections was evaluated under the following scenarios:

- (1) Existing Traffic Condition
- (2) Existing With Project Traffic Condition
- (3) Future (2016) Without Project Traffic Conditions (Existing plus ambient growth & related projects)
- (4) Future (2016) With Project Traffic Conditions

Based on the City's significance criteria, the study intersections would not be significantly impacted as a result of the addition of the project traffic.



Appendix A  
Manual Traffic Counts

# CITY TRAFFIC COUNTERS

626.991.7522

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Site Code : 00000000

Start Date : 8/28/2014

Page No : 1

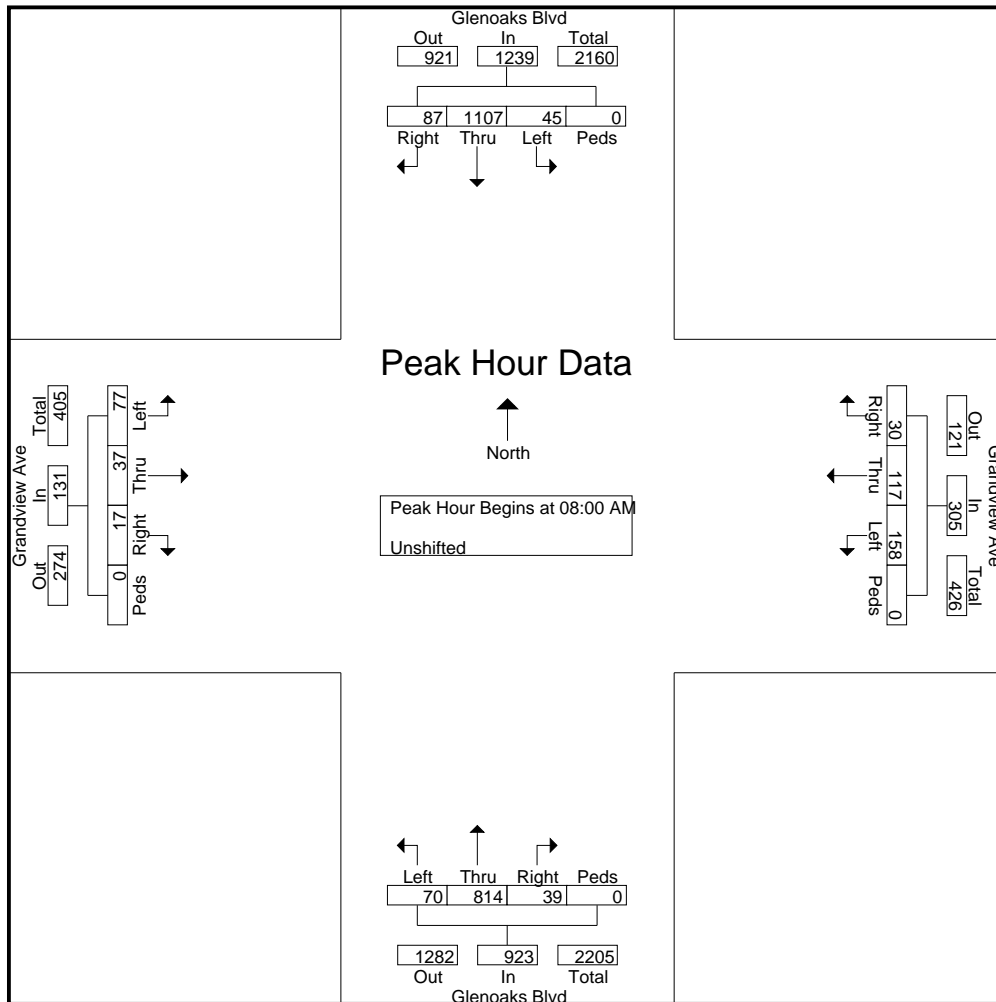
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	Left	Thru	Right	Peds	Left	Thru	Right	Peds	Left	Thru	Right	Peds	Left	Thru	Right	Peds	
07:00 AM	3	101	6	0	21	14	3	0	5	68	10	0	9	8	1	0	249
07:15 AM	4	123	12	0	31	18	4	0	9	108	10	0	11	5	3	0	338
07:30 AM	4	176	15	0	30	21	8	0	7	146	3	0	11	8	4	0	433
07:45 AM	6	195	13	0	41	16	7	0	19	167	6	0	21	10	1	0	502
Total	17	595	46	0	123	69	22	0	40	489	29	0	52	31	9	0	1522
08:00 AM	10	314	18	0	49	43	4	0	19	202	10	0	23	8	2	0	702
08:15 AM	8	270	18	0	43	33	4	0	15	195	12	0	22	10	8	0	638
08:30 AM	15	276	17	0	46	19	7	0	19	208	2	0	13	9	2	0	633
08:45 AM	12	247	34	0	20	22	15	0	17	209	15	0	19	10	5	0	625
Total	45	1107	87	0	158	117	30	0	70	814	39	0	77	37	17	0	2598
04:00 PM	14	254	11	0	31	15	8	0	10	269	10	0	25	27	8	0	682
04:15 PM	24	311	14	0	20	19	8	0	10	298	20	0	21	27	3	0	775
04:30 PM	14	289	17	0	38	11	10	0	14	295	22	0	35	28	5	0	778
04:45 PM	11	358	21	0	31	18	7	0	15	314	22	0	22	20	8	0	847
Total	63	1212	63	0	120	63	33	0	49	1176	74	0	103	102	24	0	3082
05:00 PM	14	388	9	0	25	17	6	0	20	339	10	0	31	28	17	0	904
05:15 PM	13	409	16	0	20	24	7	0	14	367	20	0	24	28	9	0	951
05:30 PM	16	453	15	0	28	24	6	0	10	360	17	0	37	44	10	0	1020
05:45 PM	22	431	14	0	29	23	10	0	10	359	24	0	38	48	11	0	1019
Total	65	1681	54	0	102	88	29	0	54	1425	71	0	130	148	47	0	3894
Grand Total	190	4595	250	0	503	337	114	0	213	3904	213	0	362	318	97	0	11096
Apprch %	3.8	91.3	5	0	52.7	35.3	11.9	0	4.9	90.2	4.9	0	46.6	40.9	12.5	0	
Total %	1.7	41.4	2.3	0	4.5	3	1	0	1.9	35.2	1.9	0	3.3	2.9	0.9	0	

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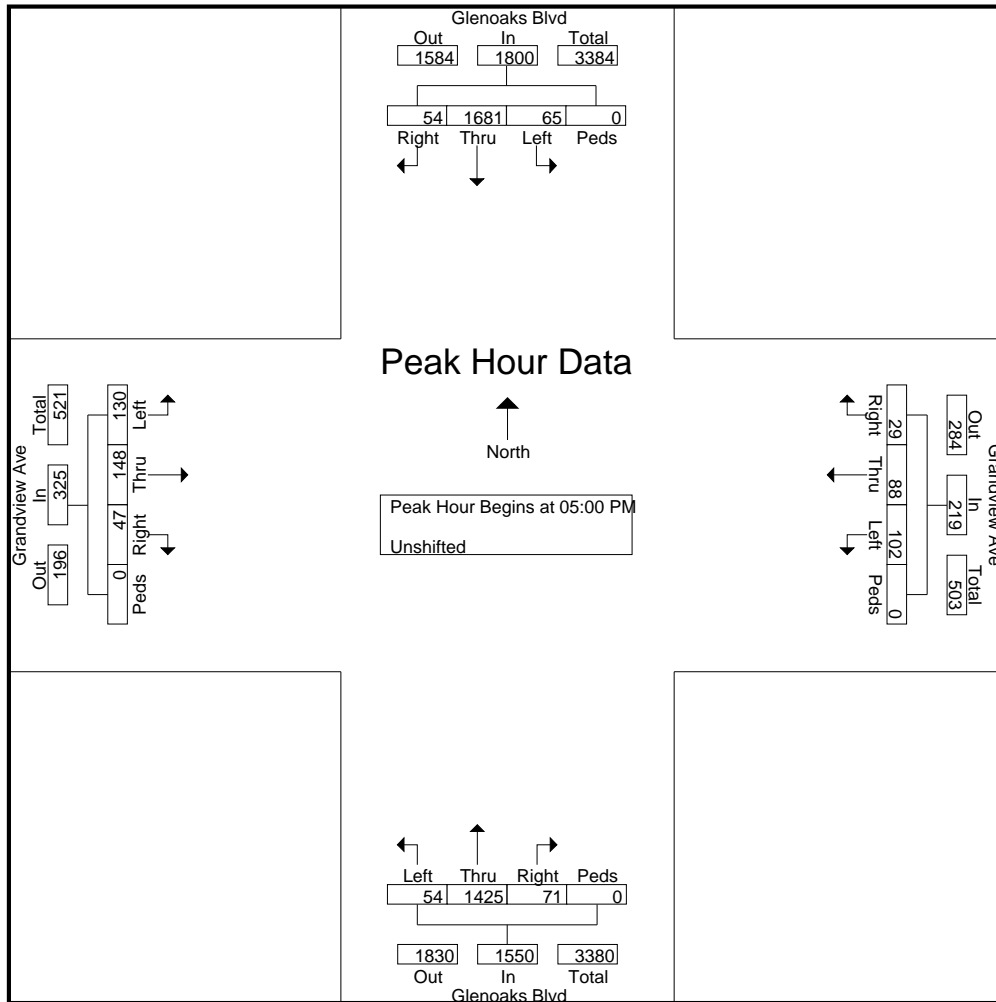
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Peak Hour Analysis From 07:00 AM to 11:45 AM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 08:00 AM																					
08:00 AM	10	314	18	0	342	49	43	4	0	96	19	202	10	0	231	23	8	2	0	33	702
08:15 AM	8	270	18	0	296	43	33	4	0	80	15	195	12	0	222	22	10	8	0	40	638
08:30 AM	15	276	17	0	308	46	19	7	0	72	19	208	2	0	229	13	9	2	0	24	633
08:45 AM	12	247	34	0	293	20	22	15	0	57	17	209	15	0	241	19	10	5	0	34	625
Total Volume	45	1107	87	0	1239	158	117	30	0	305	70	814	39	0	923	77	37	17	0	131	2598
% App. Total	3.6	89.3	7	0		51.8	38.4	9.8	0		7.6	88.2	4.2	0		58.8	28.2	13	0		
PHF	.750	.881	.640	.000	.906	.806	.680	.500	.000	.794	.921	.974	.650	.000	.957	.837	.925	.531	.000	.819	.925



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Peak Hour for Entire Intersection Begins at 05:00 PM																					
05:00 PM	14	388	9	0	411	25	17	6	0	48	20	339	10	0	369	31	28	17	0	76	904
05:15 PM	13	409	16	0	438	20	24	7	0	51	14	367	20	0	401	24	28	9	0	61	951
05:30 PM	16	453	15	0	484	28	24	6	0	58	10	360	17	0	387	37	44	10	0	91	1020
05:45 PM	22	431	14	0	467	29	23	10	0	62	10	359	24	0	393	38	48	11	0	97	1019
Total Volume	65	1681	54	0	1800	102	88	29	0	219	54	1425	71	0	1550	130	148	47	0	325	3894
% App. Total	3.6	93.4	3	0		46.6	40.2	13.2	0		3.5	91.9	4.6	0		40	45.5	14.5	0		
PHF	.739	.928	.844	.000	.930	.879	.917	.725	.000	.883	.675	.971	.740	.000	.966	.855	.771	.691	.000	.838	.954



# CITY TRAFFIC COUNTERS

626.991.7522

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Start Date : 8/28/2014

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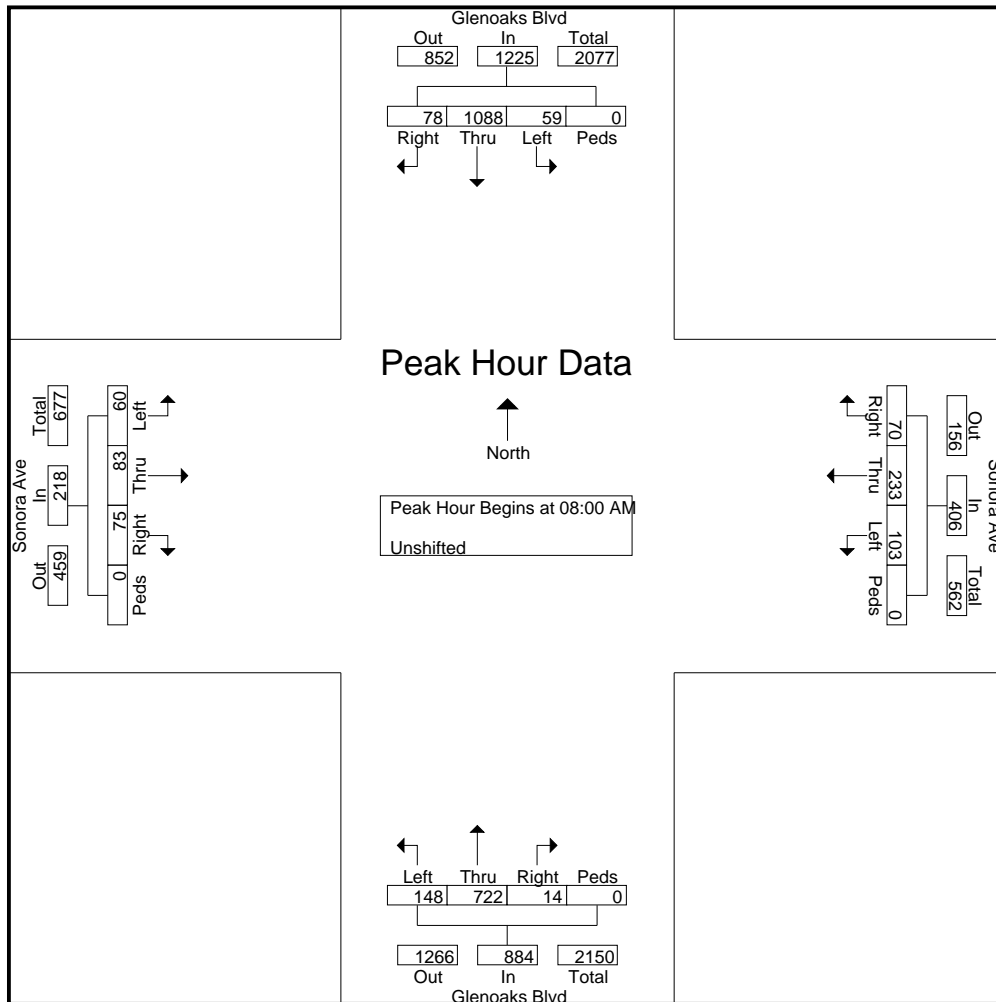
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07:15 AM	10	149	10	0	12	34	11	0	18	97	2	0	7	10	14	0	374
07:30 AM	10	162	11	0	15	52	15	0	21	119	3	0	15	20	14	0	457
07:45 AM	12	164	24	0	17	31	16	0	21	126	5	0	1	17	12	0	446
Total	40	538	56	0	52	151	51	0	76	406	13	0	31	57	43	0	1514
08:00 AM	21	259	24	0	36	73	20	0	36	201	6	0	30	29	12	0	747
08:15 AM	17	285	17	0	32	60	21	0	30	171	2	0	16	11	19	0	681
08:30 AM	14	264	18	0	16	56	15	0	44	169	3	0	11	16	25	0	651
08:45 AM	7	280	19	0	19	44	14	0	38	181	3	0	3	27	19	0	654
Total	59	1088	78	0	103	233	70	0	148	722	14	0	60	83	75	0	2733
04:00 PM	12	228	17	0	18	27	15	0	41	258	9	0	24	37	29	0	715
04:15 PM	28	291	22	0	14	30	11	0	33	273	11	0	19	35	37	0	804
04:30 PM	31	228	14	0	20	38	13	0	38	306	19	0	26	38	35	0	806
04:45 PM	15	322	17	0	23	21	19	0	40	278	5	0	23	42	36	0	841
Total	86	1069	70	0	75	116	58	0	152	1115	44	0	92	152	137	0	3166
05:00 PM	24	316	19	0	14	29	13	0	36	334	17	0	32	48	42	0	924
05:15 PM	21	343	19	0	15	31	18	0	37	313	11	0	27	45	49	0	929
05:30 PM	23	313	21	0	21	26	10	0	27	333	8	0	33	52	50	0	917
05:45 PM	33	366	12	0	15	34	15	0	32	325	12	0	34	53	47	0	978
Total	101	1338	71	0	65	120	56	0	132	1305	48	0	126	198	188	0	3748
Grand Total	286	4033	275	0	295	620	235	0	508	3548	119	0	309	490	443	0	11161
Apprch %	6.2	87.8	6	0	25.7	53.9	20.4	0	12.2	85	2.9	0	24.9	39.5	35.7	0	
Total %	2.6	36.1	2.5	0	2.6	5.6	2.1	0	4.6	31.8	1.1	0	2.8	4.4	4	0	

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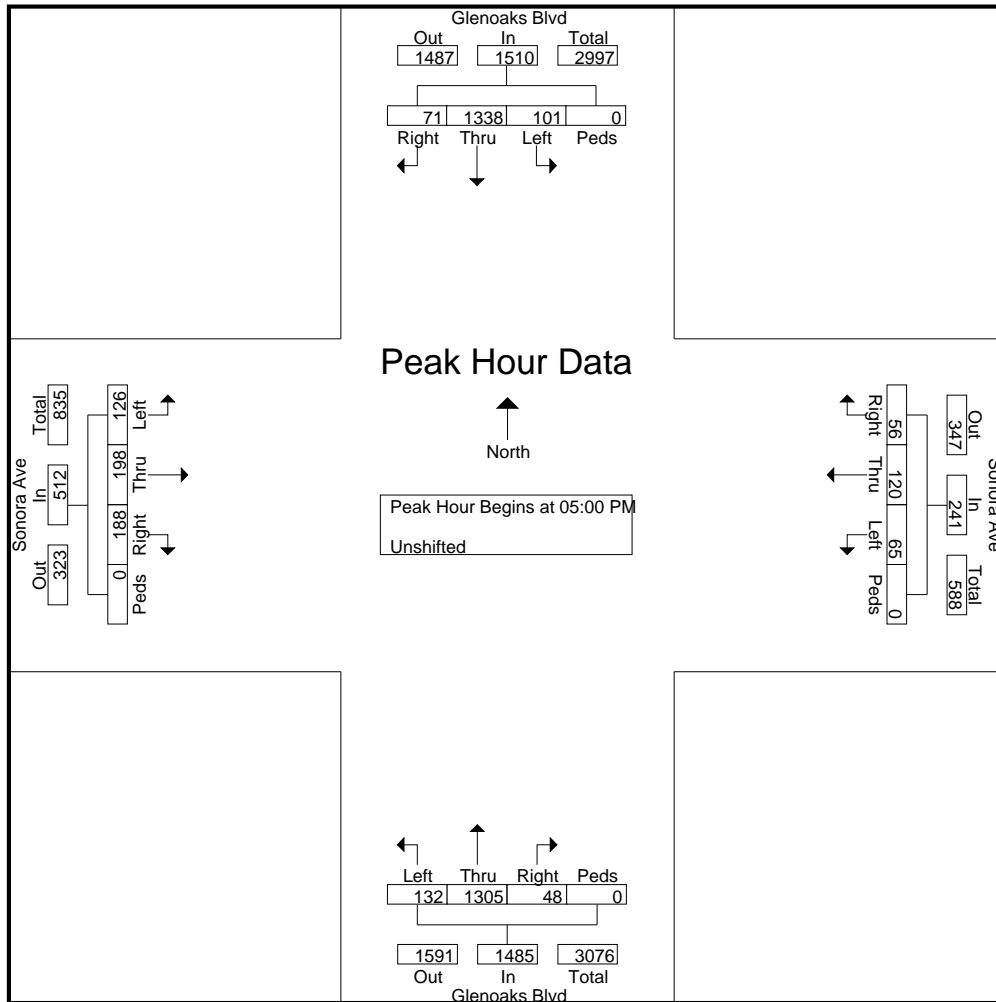
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Peak Hour Analysis From 07:00 AM to 11:45 AM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 08:00 AM																					
08:00 AM	21	259	24	0	304	36	73	20	0	129	36	201	6	0	243	30	29	12	0	71	747
08:15 AM	17	285	17	0	319	32	60	21	0	113	30	171	2	0	203	16	11	19	0	46	681
08:30 AM	14	264	18	0	296	16	56	15	0	87	44	169	3	0	216	11	16	25	0	52	651
08:45 AM	7	280	19	0	306	19	44	14	0	77	38	181	3	0	222	3	27	19	0	49	654
Total Volume	59	1088	78	0	1225	103	233	70	0	406	148	722	14	0	884	60	83	75	0	218	2733
% App. Total	4.8	88.8	6.4	0		25.4	57.4	17.2	0		16.7	81.7	1.6	0		27.5	38.1	34.4	0		
PHF	.702	.954	.813	.000	.960	.715	.798	.833	.000	.787	.841	.898	.583	.000	.909	.500	.716	.750	.000	.768	.915



**CITY TRAFFIC COUNTERS**  
**626.991.7522**  
**www.ctcounters.com**

File Name : glenoaks\_sonora  
 Site Code : 00000000  
 Start Date : 8/28/2014  
 Page No : 3

Start Time	Glenoaks Blvd Southbound					Sonora Ave Westbound					Glenoaks Blvd Northbound					Sonora Ave Eastbound					Int. Total
	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	
Peak Hour Analysis From 12:00 PM to 05:45 PM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 05:00 PM																					
05:00 PM	24	316	19	0	359	14	29	13	0	56	36	334	17	0	387	32	48	42	0	122	924
05:15 PM	21	343	19	0	383	15	31	18	0	64	37	313	11	0	361	27	45	49	0	121	929
05:30 PM	23	313	21	0	357	21	26	10	0	57	27	333	8	0	368	33	52	50	0	135	917
05:45 PM	33	366	12	0	411	15	34	15	0	64	32	325	12	0	369	34	53	47	0	134	978
Total Volume	101	1338	71	0	1510	65	120	56	0	241	132	1305	48	0	1485	126	198	188	0	512	3748
% App. Total	6.7	88.6	4.7	0		27	49.8	23.2	0		8.9	87.9	3.2	0		24.6	38.7	36.7	0		
PHF	.765	.914	.845	.000	.918	.774	.882	.778	.000	.941	.892	.977	.706	.000	.959	.926	.934	.940	.000	.948	.958



## Appendix B

### Level of Service Worksheets



**Intersection Level Of Service Report**

**#1: Glenoaks & Sonora**

Control Type:	Signalized	Delay (sec / veh):	-
Analysis Method:	ICU1	Level Of Service:	B
Analysis Period:	15 minutes	Volume to Capacity (v/c):	0.646

**Intersection Setup**

Name	Sonora			Sonora			Glenoaks			Glenoaks		
Approach	Northeastbound			Southwestbound			Northwestbound			Southeastbound		
Lane Configuration	↵↵			↵↵			↵↵↵↵			↵↵↵↵		
Turning Movement	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
Lane Width [ft]	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Pocket	0	0	0	0	0	0	0	0	0	0	0	0
Pocket Length [ft]	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
Speed [mph]	30.00			30.00			30.00			30.00		
Grade [%]	0.00			0.00			0.00			0.00		
Crosswalk	yes			yes			yes			yes		

**Volumes**

Name	Sonora			Sonora			Glenoaks			Glenoaks		
Base Volume Input [veh/h]	60	83	75	103	233	70	148	722	14	59	1088	78
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00
Growth Rate	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
In-Process Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Site-Generated Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Diverted Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Pass-by Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Total Hourly Volume [veh/h]	60	83	75	103	233	70	148	722	14	59	1088	78
Peak Hour Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	15	21	19	26	58	18	37	181	4	15	272	20
Total Analysis Volume [veh/h]	60	83	75	103	233	70	148	722	14	59	1088	78
Pedestrian Volume [ped/h]	0			0			0			0		
Bicycle Volume [bicycles/h]	0			0			0			0		

**Intersection Settings**

Cycle Length [s]	100
Lost time [s]	10.00

**Phasing & Timing**

Control Type	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss
Signal Group	0	1	0	0	1	0	0	1	0	0	1	0	0
Lead / Lag	-	-	-	-	-	-	-	-	-	-	-	-	-

**Movement, Approach, & Intersection Results**

Intersection LOS	B
Intersection V/C	0.646

**Intersection Level Of Service Report  
#2: Glenoaks & Grandview**

Control Type: Signalized  
 Analysis Method: ICU1  
 Analysis Period: 15 minutes

Delay (sec / veh): -  
 Level Of Service: A  
 Volume to Capacity (v/c): 0.514

**Intersection Setup**

Name	Grandview			Grandview			Glenoaks			Glenoaks		
Approach	Northbound			Southbound			Northwestbound			Southeastbound		
Lane Configuration												
Turning Movement	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
Lane Width [ft]	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Pocket	0	0	0	0	0	0	0	0	0	0	0	0
Pocket Length [ft]	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
Speed [mph]	30.00			30.00			30.00			30.00		
Grade [%]	0.00			0.00			0.00			0.00		
Crosswalk	yes			yes			yes			yes		

**Volumes**

Name	Grandview			Grandview			Glenoaks			Glenoaks		
Base Volume Input [veh/h]	77	37	17	158	117	30	70	814	39	45	1107	87
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00
Growth Rate	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
In-Process Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Site-Generated Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Diverted Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Pass-by Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Total Hourly Volume [veh/h]	77	37	17	158	117	30	70	814	39	45	1107	87
Peak Hour Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	19	9	4	40	29	8	18	204	10	11	277	22
Total Analysis Volume [veh/h]	77	37	17	158	117	30	70	814	39	45	1107	87
Pedestrian Volume [ped/h]	0			0			0			0		
Bicycle Volume [bicycles/h]	0			0			0			0		

**Intersection Settings**

Cycle Length [s]	100
Lost time [s]	10.00

**Phasing & Timing**

Control Type	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss
Signal Group	0	1	0	0	1	0	0	1	0	0	0	1	0
Lead / Lag	-	-	-	-	-	-	-	-	-	-	-	-	-

**Movement, Approach, & Intersection Results**

Intersection LOS	A
Intersection V/C	0.514

**Intersection Level Of Service Report  
#1: Glenoaks & Sonora**

Control Type: Signalized  
Analysis Method: ICU1  
Analysis Period: 15 minutes

Delay (sec / veh): -  
Level Of Service: B  
Volume to Capacity (v/c): 0.657

**Intersection Setup**

Name	Sonora			Sonora			Glenoaks			Glenoaks		
Approach	Northeastbound			Southwestbound			Northwestbound			Southeastbound		
Lane Configuration	↵↵			↵↵			↵↵↵↵			↵↵↵↵		
Turning Movement	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
Lane Width [ft]	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Pocket	0	0	0	0	0	0	0	0	0	0	0	0
Pocket Length [ft]	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
Speed [mph]	30.00			30.00			30.00			30.00		
Grade [%]	0.00			0.00			0.00			0.00		
Crosswalk	yes			yes			yes			yes		

**Volumes**

Name	Sonora			Sonora			Glenoaks			Glenoaks		
Base Volume Input [veh/h]	60	83	75	103	233	70	148	722	14	59	1088	78
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00
Growth Rate	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
In-Process Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Site-Generated Trips [veh/h]	0	0	0	0	0	0	18	18	0	0	0	0
Diverted Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Pass-by Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Total Hourly Volume [veh/h]	60	83	75	103	233	70	166	740	14	59	1088	78
Peak Hour Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	15	21	19	26	58	18	42	185	4	15	272	20
Total Analysis Volume [veh/h]	60	83	75	103	233	70	166	740	14	59	1088	78
Pedestrian Volume [ped/h]	0			0			0			0		
Bicycle Volume [bicycles/h]	0			0			0			0		

**Intersection Settings**

Cycle Length [s]	100
Lost time [s]	10.00

**Phasing & Timing**

Control Type	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss
Signal Group	0	1	0	0	1	0	0	1	0	0	0	1	0
Lead / Lag	-	-	-	-	-	-	-	-	-	-	-	-	-

**Movement, Approach, & Intersection Results**

Intersection LOS	B
Intersection V/C	0.657

**Intersection Level Of Service Report  
#2: Glenoaks & Grandview**

Control Type: Signalized  
Analysis Method: ICU1  
Analysis Period: 15 minutes

Delay (sec / veh): -  
Level Of Service: A  
Volume to Capacity (v/c): 0.519

**Intersection Setup**

Name	Grandview			Grandview			Glenoaks			Glenoaks		
Approach	Northbound			Southbound			Northwestbound			Southeastbound		
Lane Configuration												
Turning Movement	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
Lane Width [ft]	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Pocket	0	0	0	0	0	0	0	0	0	0	0	0
Pocket Length [ft]	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
Speed [mph]	30.00			30.00			30.00			30.00		
Grade [%]	0.00			0.00			0.00			0.00		
Crosswalk	yes			yes			yes			yes		

**Volumes**

Name	Grandview			Grandview			Glenoaks			Glenoaks		
Base Volume Input [veh/h]	77	37	17	158	117	30	70	814	39	45	1107	87
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00
Growth Rate	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
In-Process Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Site-Generated Trips [veh/h]	7	0	0	0	0	0	0	7	0	0	0	0
Diverted Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Pass-by Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Total Hourly Volume [veh/h]	84	37	17	158	117	30	70	821	39	45	1107	87
Peak Hour Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	21	9	4	40	29	8	18	205	10	11	277	22
Total Analysis Volume [veh/h]	84	37	17	158	117	30	70	821	39	45	1107	87
Pedestrian Volume [ped/h]	0			0			0			0		
Bicycle Volume [bicycles/h]	0			0			0			0		

**Intersection Settings**

Cycle Length [s]	100
Lost time [s]	10.00

**Phasing & Timing**

Control Type	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss
Signal Group	0	1	0	0	1	0	0	1	0	0	0	1	0
Lead / Lag	-	-	-	-	-	-	-	-	-	-	-	-	-

**Movement, Approach, & Intersection Results**

Intersection LOS	A
Intersection V/C	0.519



**Intersection Level Of Service Report  
#1: Glenoaks & Sonora**

Control Type:	Signalized	Delay (sec / veh):	-
Analysis Method:	ICU1	Level Of Service:	B
Analysis Period:	15 minutes	Volume to Capacity (v/c):	0.659

**Intersection Setup**

Name	Sonora			Sonora			Glenoaks			Glenoaks		
Approach	Northeastbound			Southwestbound			Northwestbound			Southeastbound		
Lane Configuration	↵↵			↵↵			↵↵↵↵			↵↵↵↵		
Turning Movement	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
Lane Width [ft]	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Pocket	0	0	0	0	0	0	0	0	0	0	0	0
Pocket Length [ft]	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
Speed [mph]	30.00			30.00			30.00			30.00		
Grade [%]	0.00			0.00			0.00			0.00		
Crosswalk	yes			yes			yes			yes		

**Volumes**

Name	Sonora			Sonora			Glenoaks			Glenoaks		
Base Volume Input [veh/h]	60	83	75	103	233	70	148	722	14	59	1088	78
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00
Growth Rate	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02
In-Process Volume [veh/h]	0	0	0	0	0	0	0	30	0	0	10	0
Site-Generated Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Diverted Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Pass-by Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Total Hourly Volume [veh/h]	61	85	77	105	238	71	151	766	14	60	1120	80
Peak Hour Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	15	21	19	26	60	18	38	192	4	15	280	20
Total Analysis Volume [veh/h]	61	85	77	105	238	71	151	766	14	60	1120	80
Pedestrian Volume [ped/h]	0			0			0			0		
Bicycle Volume [bicycles/h]	0			0			0			0		

**Intersection Settings**

Cycle Length [s]	100
Lost time [s]	10.00

**Phasing & Timing**

Control Type	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss
Signal Group	0	1	0	0	1	0	0	1	0	0	0	1	0
Lead / Lag	-	-	-	-	-	-	-	-	-	-	-	-	-

**Movement, Approach, & Intersection Results**

Intersection LOS	B
Intersection V/C	0.659

**Intersection Level Of Service Report  
#2: Glenoaks & Grandview**

Control Type:	Signalized	Delay (sec / veh):	-
Analysis Method:	ICU1	Level Of Service:	A
Analysis Period:	15 minutes	Volume to Capacity (v/c):	0.527

**Intersection Setup**

Name	Grandview			Grandview			Glenoaks			Glenoaks		
Approach	Northbound			Southbound			Northwestbound			Southeastbound		
Lane Configuration												
Turning Movement	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
Lane Width [ft]	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Pocket	0	0	0	0	0	0	0	0	0	0	0	0
Pocket Length [ft]	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
Speed [mph]	30.00			30.00			30.00			30.00		
Grade [%]	0.00			0.00			0.00			0.00		
Crosswalk	yes			yes			yes			yes		

**Volumes**

Name	Grandview			Grandview			Glenoaks			Glenoaks		
Base Volume Input [veh/h]	77	37	17	158	117	30	70	814	39	45	1107	87
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00
Growth Rate	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02
In-Process Volume [veh/h]	4	0	0	0	0	0	0	26	0	0	8	2
Site-Generated Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Diverted Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Pass-by Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Total Hourly Volume [veh/h]	83	38	17	161	119	31	71	856	40	46	1137	91
Peak Hour Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	21	10	4	40	30	8	18	214	10	12	284	23
Total Analysis Volume [veh/h]	83	38	17	161	119	31	71	856	40	46	1137	91
Pedestrian Volume [ped/h]	0			0			0			0		
Bicycle Volume [bicycles/h]	0			0			0			0		

**Intersection Settings**

Cycle Length [s]	100
Lost time [s]	10.00

**Phasing & Timing**

Control Type	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss
Signal Group	0	1	0	0	1	0	0	1	0	0	0	1	0
Lead / Lag	-	-	-	-	-	-	-	-	-	-	-	-	-

**Movement, Approach, & Intersection Results**

Intersection LOS	A
Intersection V/C	0.527

**Intersection Level Of Service Report  
#1: Glenoaks & Sonora**

Control Type: Signalized  
Analysis Method: ICU1  
Analysis Period: 15 minutes

Delay (sec / veh): -  
Level Of Service: B  
Volume to Capacity (v/c): 0.670

**Intersection Setup**

Name	Sonora			Sonora			Glenoaks			Glenoaks		
Approach	Northeastbound			Southwestbound			Northwestbound			Southeastbound		
Lane Configuration	↵↵			↵↵			↵↵↵↵			↵↵↵↵		
Turning Movement	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
Lane Width [ft]	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Pocket	0	0	0	0	0	0	0	0	0	0	0	0
Pocket Length [ft]	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
Speed [mph]	30.00			30.00			30.00			30.00		
Grade [%]	0.00			0.00			0.00			0.00		
Crosswalk	yes			yes			yes			yes		

**Volumes**

Name	Sonora			Sonora			Glenoaks			Glenoaks		
Base Volume Input [veh/h]	60	83	75	103	233	70	148	722	14	59	1088	78
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00
Growth Rate	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02
In-Process Volume [veh/h]	0	0	0	0	0	0	0	30	0	0	10	0
Site-Generated Trips [veh/h]	0	0	0	0	0	0	18	18	0	0	0	0
Diverted Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Pass-by Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Total Hourly Volume [veh/h]	61	85	77	105	238	71	169	784	14	60	1120	80
Peak Hour Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	15	21	19	26	60	18	42	196	4	15	280	20
Total Analysis Volume [veh/h]	61	85	77	105	238	71	169	784	14	60	1120	80
Pedestrian Volume [ped/h]	0			0			0			0		
Bicycle Volume [bicycles/h]	0			0			0			0		

**Intersection Settings**

Cycle Length [s]	100
Lost time [s]	10.00

**Phasing & Timing**

Control Type	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss
Signal Group	0	1	0	0	1	0	0	1	0	0	1	0	0
Lead / Lag	-	-	-	-	-	-	-	-	-	-	-	-	-

**Movement, Approach, & Intersection Results**

Intersection LOS	B
Intersection V/C	0.670

**Intersection Level Of Service Report  
#2: Glenoaks & Grandview**

Control Type:	Signalized	Delay (sec / veh):	-
Analysis Method:	ICU1	Level Of Service:	A
Analysis Period:	15 minutes	Volume to Capacity (v/c):	0.531

**Intersection Setup**

Name	Grandview			Grandview			Glenoaks			Glenoaks		
Approach	Northbound			Southbound			Northwestbound			Southeastbound		
Lane Configuration												
Turning Movement	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
Lane Width [ft]	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Pocket	0	0	0	0	0	0	0	0	0	0	0	0
Pocket Length [ft]	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
Speed [mph]	30.00			30.00			30.00			30.00		
Grade [%]	0.00			0.00			0.00			0.00		
Crosswalk	yes			yes			yes			yes		

**Volumes**

Name	Grandview			Grandview			Glenoaks			Glenoaks		
Base Volume Input [veh/h]	77	37	17	158	117	30	70	814	39	45	1107	87
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00
Growth Rate	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02
In-Process Volume [veh/h]	4	0	0	0	0	0	0	26	0	0	8	2
Site-Generated Trips [veh/h]	7	0	0	0	0	0	0	7	0	0	0	0
Diverted Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Pass-by Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Total Hourly Volume [veh/h]	90	38	17	161	119	31	71	863	40	46	1137	91
Peak Hour Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	23	10	4	40	30	8	18	216	10	12	284	23
Total Analysis Volume [veh/h]	90	38	17	161	119	31	71	863	40	46	1137	91
Pedestrian Volume [ped/h]	0			0			0			0		
Bicycle Volume [bicycles/h]	0			0			0			0		

**Intersection Settings**

Cycle Length [s]	100
Lost time [s]	10.00

**Phasing & Timing**

Control Type	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss
Signal Group	0	1	0	0	1	0	0	1	0	0	0	1	0
Lead / Lag	-	-	-	-	-	-	-	-	-	-	-	-	-

**Movement, Approach, & Intersection Results**

Intersection LOS	A
Intersection V/C	0.531



**Intersection Level Of Service Report  
#1: Glenoaks & Sonora**

Control Type: Signalized  
 Analysis Method: ICU1  
 Analysis Period: 15 minutes

Delay (sec / veh): -  
 Level Of Service: C  
 Volume to Capacity (v/c): 0.743

**Intersection Setup**

Name	Sonora			Sonora			Glenoaks			Glenoaks		
Approach	Northeastbound			Southwestbound			Northwestbound			Southeastbound		
Lane Configuration	↵↵			↵↵			↵↵↵↵			↵↵↵↵		
Turning Movement	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
Lane Width [ft]	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Pocket	0	0	0	0	0	0	0	0	0	0	0	0
Pocket Length [ft]	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
Speed [mph]	30.00			30.00			30.00			30.00		
Grade [%]	0.00			0.00			0.00			0.00		
Crosswalk	yes			yes			yes			yes		

**Volumes**

Name	Sonora			Sonora			Glenoaks			Glenoaks		
Base Volume Input [veh/h]	126	198	188	65	120	56	132	1305	48	101	1338	71
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00
Growth Rate	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
In-Process Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Site-Generated Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Diverted Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Pass-by Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Total Hourly Volume [veh/h]	126	198	188	65	120	56	132	1305	48	101	1338	71
Peak Hour Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	32	50	47	16	30	14	33	326	12	25	335	18
Total Analysis Volume [veh/h]	126	198	188	65	120	56	132	1305	48	101	1338	71
Pedestrian Volume [ped/h]	0			0			0			0		
Bicycle Volume [bicycles/h]	0			0			0			0		

**Intersection Settings**

Cycle Length [s]	100
Lost time [s]	10.00

**Phasing & Timing**

Control Type	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss
Signal Group	0	1	0	0	1	0	0	1	0	0	0	1	0
Lead / Lag	-	-	-	-	-	-	-	-	-	-	-	-	-

**Movement, Approach, & Intersection Results**

Intersection LOS	C
Intersection V/C	0.743

**Intersection Level Of Service Report  
#2: Glenoaks & Grandview**

Control Type: Signalized  
 Analysis Method: ICU1  
 Analysis Period: 15 minutes

Delay (sec / veh): -  
 Level Of Service: B  
 Volume to Capacity (v/c): 0.640

**Intersection Setup**

Name	Grandview			Grandview			Glenoaks			Glenoaks		
Approach	Northbound			Southbound			Northwestbound			Southeastbound		
Lane Configuration												
Turning Movement	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
Lane Width [ft]	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Pocket	0	0	0	0	0	0	0	0	0	0	0	0
Pocket Length [ft]	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
Speed [mph]	30.00			30.00			30.00			30.00		
Grade [%]	0.00			0.00			0.00			0.00		
Crosswalk	yes			yes			yes			yes		

**Volumes**

Name	Grandview			Grandview			Glenoaks			Glenoaks		
Base Volume Input [veh/h]	130	148	47	102	88	29	54	1425	71	65	1681	54
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00
Growth Rate	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
In-Process Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Site-Generated Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Diverted Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Pass-by Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Total Hourly Volume [veh/h]	130	148	47	102	88	29	54	1425	71	65	1681	54
Peak Hour Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	33	37	12	26	22	7	14	356	18	16	420	14
Total Analysis Volume [veh/h]	130	148	47	102	88	29	54	1425	71	65	1681	54
Pedestrian Volume [ped/h]	0			0			0			0		
Bicycle Volume [bicycles/h]	0			0			0			0		

**Intersection Settings**

Cycle Length [s]	100
Lost time [s]	10.00

**Phasing & Timing**

Control Type	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss
Signal Group	0	1	0	0	1	0	0	1	0	0	0	1	0
Lead / Lag	-	-	-	-	-	-	-	-	-	-	-	-	-

**Movement, Approach, & Intersection Results**

Intersection LOS	B
Intersection V/C	0.640

**Intersection Level Of Service Report  
#1: Glenoaks & Sonora**

Control Type: Signalized  
Analysis Method: ICU1  
Analysis Period: 15 minutes

Delay (sec / veh): -  
Level Of Service: C  
Volume to Capacity (v/c): 0.756

**Intersection Setup**

Name	Sonora			Sonora			Glenoaks			Glenoaks		
Approach	Northeastbound			Southwestbound			Northwestbound			Southeastbound		
Lane Configuration	↵↵			↵↵			↵↵↵↵			↵↵↵↵		
Turning Movement	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
Lane Width [ft]	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Pocket	0	0	0	0	0	0	0	0	0	0	0	0
Pocket Length [ft]	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
Speed [mph]	30.00			30.00			30.00			30.00		
Grade [%]	0.00			0.00			0.00			0.00		
Crosswalk	yes			yes			yes			yes		

**Volumes**

Name	Sonora			Sonora			Glenoaks			Glenoaks		
Base Volume Input [veh/h]	126	198	188	65	120	56	132	1305	48	101	1338	71
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00
Growth Rate	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
In-Process Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Site-Generated Trips [veh/h]	0	0	0	0	0	0	20	20	0	0	0	0
Diverted Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Pass-by Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Total Hourly Volume [veh/h]	126	198	188	65	120	56	152	1325	48	101	1338	71
Peak Hour Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	32	50	47	16	30	14	38	331	12	25	335	18
Total Analysis Volume [veh/h]	126	198	188	65	120	56	152	1325	48	101	1338	71
Pedestrian Volume [ped/h]	0			0			0			0		
Bicycle Volume [bicycles/h]	0			0			0			0		

**Intersection Settings**

Cycle Length [s]	100
Lost time [s]	10.00

**Phasing & Timing**

Control Type	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss
Signal Group	0	1	0	0	1	0	0	1	0	0	0	1	0
Lead / Lag	-	-	-	-	-	-	-	-	-	-	-	-	-

**Movement, Approach, & Intersection Results**

Intersection LOS	C
Intersection V/C	0.756

**Intersection Level Of Service Report  
#2: Glenoaks & Grandview**

Control Type:	Signalized	Delay (sec / veh):	-
Analysis Method:	ICU1	Level Of Service:	B
Analysis Period:	15 minutes	Volume to Capacity (v/c):	0.654

**Intersection Setup**

Name	Grandview			Grandview			Glenoaks			Glenoaks		
Approach	Northbound			Southbound			Northwestbound			Southeastbound		
Lane Configuration												
Turning Movement	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
Lane Width [ft]	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Pocket	0	0	0	0	0	0	0	0	0	0	0	0
Pocket Length [ft]	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
Speed [mph]	30.00			30.00			30.00			30.00		
Grade [%]	0.00			0.00			0.00			0.00		
Crosswalk	yes			yes			yes			yes		

**Volumes**

Name	Grandview			Grandview			Glenoaks			Glenoaks		
Base Volume Input [veh/h]	130	148	47	102	88	29	54	1425	71	65	1681	54
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00
Growth Rate	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
In-Process Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Site-Generated Trips [veh/h]	25	0	0	0	0	0	0	25	0	0	0	0
Diverted Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Pass-by Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Total Hourly Volume [veh/h]	155	148	47	102	88	29	54	1450	71	65	1681	54
Peak Hour Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	39	37	12	26	22	7	14	363	18	16	420	14
Total Analysis Volume [veh/h]	155	148	47	102	88	29	54	1450	71	65	1681	54
Pedestrian Volume [ped/h]	0			0			0			0		
Bicycle Volume [bicycles/h]	0			0			0			0		

**Intersection Settings**

Cycle Length [s]	100
Lost time [s]	10.00

**Phasing & Timing**

Control Type	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss
Signal Group	0	1	0	0	1	0	0	1	0	0	0	1	0
Lead / Lag	-	-	-	-	-	-	-	-	-	-	-	-	-

**Movement, Approach, & Intersection Results**

Intersection LOS	B
Intersection V/C	0.654



**Intersection Level Of Service Report  
#1: Glenoaks & Sonora**

Control Type: Signalized  
Analysis Method: ICU1  
Analysis Period: 15 minutes

Delay (sec / veh): -  
Level Of Service: C  
Volume to Capacity (v/c): 0.763

**Intersection Setup**

Name	Sonora			Sonora			Glenoaks			Glenoaks		
Approach	Northeastbound			Southwestbound			Northwestbound			Southeastbound		
Lane Configuration	↵↵			↵↵			↵↵↵↵			↵↵↵↵		
Turning Movement	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
Lane Width [ft]	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Pocket	0	0	0	0	0	0	0	0	0	0	0	0
Pocket Length [ft]	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
Speed [mph]	30.00			30.00			30.00			30.00		
Grade [%]	0.00			0.00			0.00			0.00		
Crosswalk	yes			yes			yes			yes		

**Volumes**

Name	Sonora			Sonora			Glenoaks			Glenoaks		
Base Volume Input [veh/h]	126	198	188	65	120	56	132	1305	48	101	1338	71
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00
Growth Rate	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02
In-Process Volume [veh/h]	0	0	0	0	0	0	0	19	0	0	33	0
Site-Generated Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Diverted Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Pass-by Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Total Hourly Volume [veh/h]	129	202	192	66	122	57	135	1350	49	103	1398	72
Peak Hour Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	32	51	48	17	31	14	34	338	12	26	350	18
Total Analysis Volume [veh/h]	129	202	192	66	122	57	135	1350	49	103	1398	72
Pedestrian Volume [ped/h]	0			0			0			0		
Bicycle Volume [bicycles/h]	0			0			0			0		

**Intersection Settings**

Cycle Length [s]	100
Lost time [s]	10.00

**Phasing & Timing**

Control Type	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss
Signal Group	0	1	0	0	1	0	0	1	0	0	1	0
Lead / Lag	-	-	-	-	-	-	-	-	-	-	-	-

**Movement, Approach, & Intersection Results**

Intersection LOS	C
Intersection V/C	0.763

**Intersection Level Of Service Report  
#2: Glenoaks & Grandview**

Control Type:	Signalized	Delay (sec / veh):	-
Analysis Method:	ICU1	Level Of Service:	B
Analysis Period:	15 minutes	Volume to Capacity (v/c):	0.658

**Intersection Setup**

Name	Grandview			Grandview			Glenoaks			Glenoaks		
Approach	Northbound			Southbound			Northwestbound			Southeastbound		
Lane Configuration												
Turning Movement	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
Lane Width [ft]	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Pocket	0	0	0	0	0	0	0	0	0	0	0	0
Pocket Length [ft]	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
Speed [mph]	30.00			30.00			30.00			30.00		
Grade [%]	0.00			0.00			0.00			0.00		
Crosswalk	yes			yes			yes			yes		

**Volumes**

Name	Grandview			Grandview			Glenoaks			Glenoaks		
Base Volume Input [veh/h]	130	148	47	102	88	29	54	1425	71	65	1681	54
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00
Growth Rate	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02
In-Process Volume [veh/h]	4	0	0	0	0	0	0	15	0	0	28	5
Site-Generated Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Diverted Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Pass-by Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Total Hourly Volume [veh/h]	137	151	48	104	90	30	55	1469	72	66	1743	60
Peak Hour Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	34	38	12	26	23	8	14	367	18	17	436	15
Total Analysis Volume [veh/h]	137	151	48	104	90	30	55	1469	72	66	1743	60
Pedestrian Volume [ped/h]	0			0			0			0		
Bicycle Volume [bicycles/h]	0			0			0			0		

**Intersection Settings**

Cycle Length [s]	100
Lost time [s]	10.00

**Phasing & Timing**

Control Type	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss
Signal Group	0	1	0	0	1	0	0	1	0	0	0	1	0
Lead / Lag	-	-	-	-	-	-	-	-	-	-	-	-	-

**Movement, Approach, & Intersection Results**

Intersection LOS	B
Intersection V/C	0.658

**Intersection Level Of Service Report  
#1: Glenoaks & Sonora**

Control Type:	Signalized	Delay (sec / veh):	-
Analysis Method:	ICU1	Level Of Service:	C
Analysis Period:	15 minutes	Volume to Capacity (v/c):	0.776

**Intersection Setup**

Name	Sonora			Sonora			Glenoaks			Glenoaks		
Approach	Northeastbound			Southwestbound			Northwestbound			Southeastbound		
Lane Configuration	↵↵			↵↵			↵   ↵			↵   ↵		
Turning Movement	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
Lane Width [ft]	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Pocket	0	0	0	0	0	0	0	0	0	0	0	0
Pocket Length [ft]	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
Speed [mph]	30.00			30.00			30.00			30.00		
Grade [%]	0.00			0.00			0.00			0.00		
Crosswalk	yes			yes			yes			yes		

**Volumes**

Name	Sonora			Sonora			Glenoaks			Glenoaks		
Base Volume Input [veh/h]	126	198	188	65	120	56	132	1305	48	101	1338	71
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00
Growth Rate	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02
In-Process Volume [veh/h]	0	0	0	0	0	0	0	19	0	0	33	0
Site-Generated Trips [veh/h]	0	0	0	0	0	0	20	20	0	0	0	0
Diverted Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Pass-by Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Total Hourly Volume [veh/h]	129	202	192	66	122	57	155	1370	49	103	1398	72
Peak Hour Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	32	51	48	17	31	14	39	343	12	26	350	18
Total Analysis Volume [veh/h]	129	202	192	66	122	57	155	1370	49	103	1398	72
Pedestrian Volume [ped/h]	0			0			0			0		
Bicycle Volume [bicycles/h]	0			0			0			0		

**Intersection Settings**

Cycle Length [s]	100
Lost time [s]	10.00

**Phasing & Timing**

Control Type	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss
Signal Group	0	1	0	0	1	0	0	1	0	0	1	0	0
Lead / Lag	-	-	-	-	-	-	-	-	-	-	-	-	-

**Movement, Approach, & Intersection Results**

Intersection LOS	C
Intersection V/C	0.776

**Intersection Level Of Service Report  
#2: Glenoaks & Grandview**

Control Type: Signalized  
Analysis Method: ICU1  
Analysis Period: 15 minutes

Delay (sec / veh): -  
Level Of Service: B  
Volume to Capacity (v/c): 0.674

**Intersection Setup**

Name	Grandview			Grandview			Glenoaks			Glenoaks		
Approach	Northbound			Southbound			Northwestbound			Southeastbound		
Lane Configuration												
Turning Movement	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
Lane Width [ft]	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Pocket	0	0	0	0	0	0	0	0	0	0	0	0
Pocket Length [ft]	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
Speed [mph]	30.00			30.00			30.00			30.00		
Grade [%]	0.00			0.00			0.00			0.00		
Crosswalk	yes			yes			yes			yes		

**Volumes**

Name	Grandview			Grandview			Glenoaks			Glenoaks		
Base Volume Input [veh/h]	130	148	47	102	88	29	54	1425	71	65	1681	54
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00
Growth Rate	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02
In-Process Volume [veh/h]	4	0	0	0	0	0	0	15	0	0	28	5
Site-Generated Trips [veh/h]	25	0	0	0	0	0	0	25	0	0	0	0
Diverted Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Pass-by Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Total Hourly Volume [veh/h]	162	151	48	104	90	30	55	1494	72	66	1743	60
Peak Hour Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	41	38	12	26	23	8	14	374	18	17	436	15
Total Analysis Volume [veh/h]	162	151	48	104	90	30	55	1494	72	66	1743	60
Pedestrian Volume [ped/h]	0			0			0			0		
Bicycle Volume [bicycles/h]	0			0			0			0		

**Intersection Settings**

Cycle Length [s]	100
Lost time [s]	10.00

**Phasing & Timing**

Control Type	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss
Signal Group	0	1	0	0	1	0	0	1	0	0	0	1	0
Lead / Lag	-	-	-	-	-	-	-	-	-	-	-	-	-

**Movement, Approach, & Intersection Results**

Intersection LOS	B
Intersection V/C	0.674



## Appendix C

### Explanation of LOS Categories

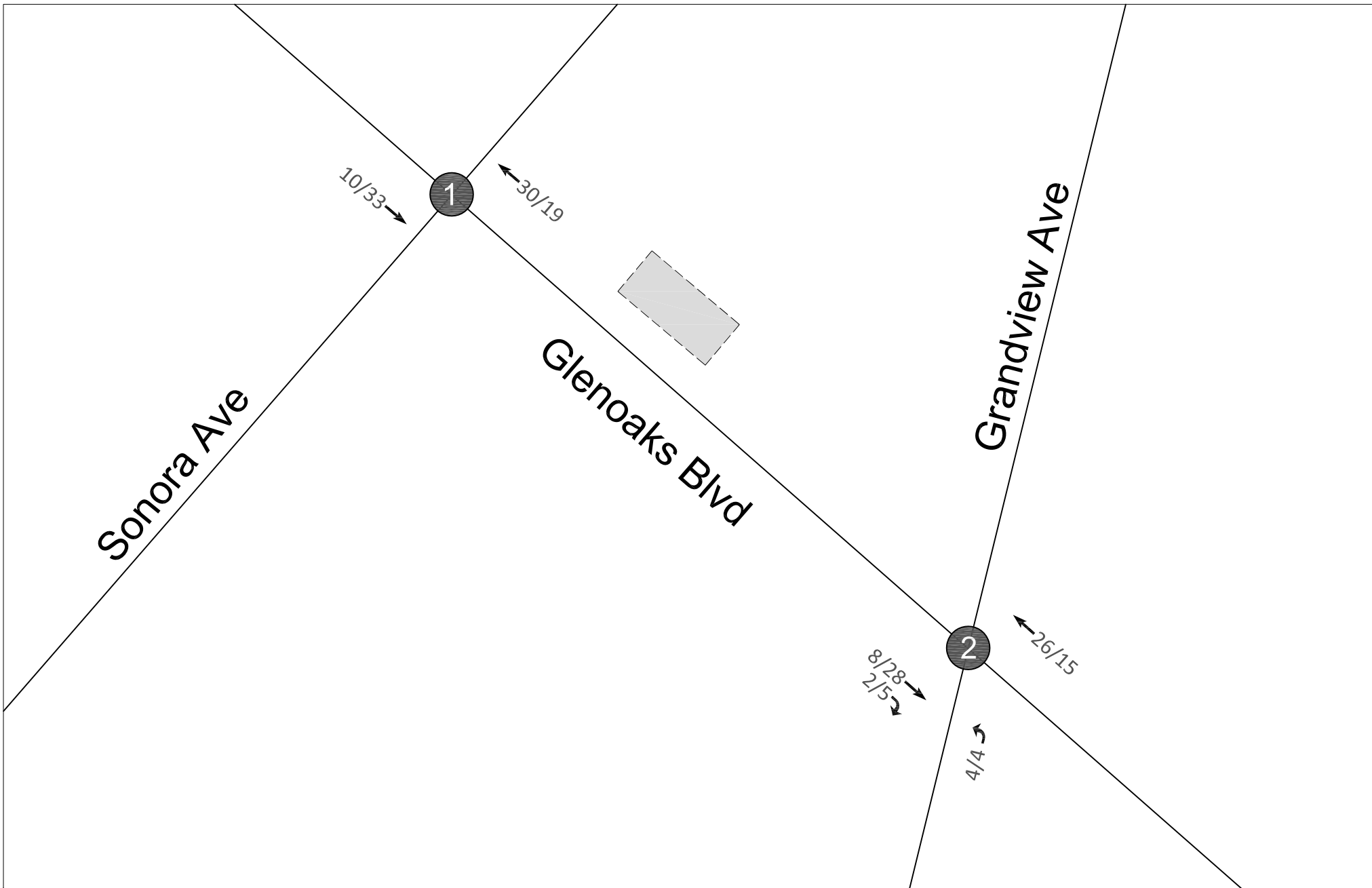
## Level of Service (LOS) Descriptions<sup>1</sup>

Level of Service	Description	Volume to Capacity (v/c) Ratio
A	Level of Service A occurs when progression is extremely favorable and vehicles arrive during the green phase. Most vehicles do not stop at all. Short cycle lengths may also contribute to low delay.	0.600 and below
B	Level of Service B generally occurs with good progression and/or short cycle lengths. More vehicles stop than for Level of Service A, causing higher levels of delay.	0.601 to 0.700
C	Level of Service C generally result from fair progression and/or longer cycle lengths. Individual cycle failures may begin to appear at this level. The number of vehicles stopping is significant at this level although many still pass through the intersection without stopping.	0.701 to 0.800
D	Level of Service D describes a situation in which the influence of congestion becomes more noticeable. Longer delays may result from some combination of unfavorable progression, long cycle lengths, and/or high traffic volumes as compared to the roadway capacity. Many vehicles are required to stop and the number of vehicle that do not have to stop declines. Individual cycle failures are therefore more noticeable.	0.801 to 0.900
E	Level of Service E is considered to be the limit of acceptable conditions. High delay values generally indicate poor progression, long cycle lengths, and high traffic volumes. Individual cycle failures frequently occur.	0.901 to 1.000
F	Level of Service F is generally considered to be unacceptable to most drivers. This condition often occurs with over-saturation, i.e., when traffic arrives at a flow rate that exceeds the capacity of the intersection.	1.001 and above


<sup>1</sup> Source: Highway Capacity Manual Special Report 209, Transportation Research Board, National Research Council Washington D.C., 2000.

## Appendix D

### Related Project Trip Assignment



XXX/XXX = AM Peak/PM Peak

 = Project Site



Not to Scale