Appendix A-1

Air Quality, Greenhouse Gas Emission, and Energy Modeling Inputs and Outputs

JPI Fontanta Apartments - South Coast AQMD Air District, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

JPI Fontanta Apartments

South Coast AQMD Air District, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	14.15	1000sqft	0.32	14,150.00	0
Parking Lot	646.00	Space	5.81	258,400.00	0
Apartments Mid Rise	437.00	Dwelling Unit	11.50	437,352.00	1250
Strip Mall	4.00	1000sqft	0.09	4,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	31
Climate Zone	10			**Operational Year**	2027
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	390.98	**CH4 Intensity (lb/MWhr)**	0.033	**N2O Intensity (lb/MWhr)**	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics - Operational year 2027.

Land Use - Residential SF updated based on Site Plan.

Construction Phase - Construction schedule information provided by the project applicant.

Trips and VMT - Water trucks were added as vendor trucks during the site preparation and grading phases.

Grading - CalEEMod defaults.

Architectural Coating - CalEEMod defaults.

Vehicle Trips - Based on Transportation analysis and VMT memorandum.

Vehicle Emission Factors - CalEEMod defaults.

Vehicle Emission Factors - CalEEMod defaults.

JPI Fontanta Apartments - South Coast AQMD Air District, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Vehicle Emission Factors - CalEEMod defaults.

Woodstoves - in complinace with SCAQMD rules no wood stoves and only gas fireplaces.

Energy Use - Residential energy use was modfied to relect electricy only design.

Construction Off-road Equipment Mitigation - Compliacne with SCAQMD Rule 403.

Mobile Land Use Mitigation - Not applied.

Energy Mitigation - On-site Renewable energy reduction based on information provided by the project applicant.

Water Mitigation - Indoor/Outdoor water use reduction based on information provided by the project applicant.

Waste Mitigation - Solid waste reduction based on information provided by the project applicant and compliance with San Bernadino County Regional GHG reduction plan

Fleet Mix - CalEEMod defaults.

Area Coating - CalEEMod defaults.

Water And Wastewater - CalEEmod defaults.

Solid Waste - CalEEmod defaults.

Table Name	Column Name	Default Value	New Value
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstructionPhase	NumDays	20.00	131.00
tblConstructionPhase	NumDays	300.00	571.00
tblConstructionPhase	NumDays	30.00	33.00
tblConstructionPhase	NumDays	20.00	88.00
tblConstructionPhase	NumDays	10.00	30.00
tblEnergyUse	NT24E	3,054.10	3,525.70
tblEnergyUse	NT24NG	6,030.00	0.00
tblEnergyUse	T24E	164.47	3,234.18
tblEnergyUse	T24NG	8,352.17	0.00
tblFireplaces	NumberWood	21.85	0.00
tblLandUse	LandUseSquareFeet	437,000.00	437,352.00
tblTripsAndVMT	VendorTripNumber	0.00	6.00
tblTripsAndVMT	VendorTripNumber	0.00	6.00
tblTripsAndVMT	WorkerTripNumber	429.00	430.00

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblTripsAndVMT	WorkerTripNumber	15.00	16.00
tblVehicleTrips	CW_TL	16.60	15.00
tblVehicleTrips	HO_TL	8.70	8.50
tblVehicleTrips	HS_TL	5.90	5.53
tblVehicleTrips	HW_TL	14.70	14.55
tblVehicleTrips	ST_TR	4.91	4.10
tblVehicleTrips	ST_TR	2.21	0.00
tblVehicleTrips	ST_TR	42.04	44.11
tblVehicleTrips	SU_TR	4.09	3.41
tblVehicleTrips	SU_TR	0.70	0.00
tblVehicleTrips	SU_TR	20.43	21.44
tblVehicleTrips	WD_TR	5.44	4.54
tblVehicleTrips	WD_TR	9.74	0.00
tblVehicleTrips	WD_TR	44.32	46.50
tblWoodstoves	NumberCatalytic	21.85	0.00
tblWoodstoves	NumberNoncatalytic	21.85	0.00

2.0 Emissions Summary

JPI Fontanta Apartments - South Coast AQMD Air District, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

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					
2024	0.1260	1.1471	1.0895	2.5900e-003	0.5128	0.0478	0.5606	0.2295	0.0441	0.2737	0.0000	231.1394	231.1394	0.0531	4.1500e-003	233.7053
2025	0.3440	2.1924	3.8578	0.0106	0.6914	0.0746	0.7660	0.1854	0.0702	0.2555	0.0000	961.2262	961.2262	0.0885	0.0408	975.6011
2026	1.8490	2.2641	4.0277	0.0110	0.7532	0.0781	0.8313	0.2018	0.0737	0.2754	0.0000	1,004.1778	1,004.1778	0.0894	0.0407	1,018.5372
2027	0.0834	0.6029	1.0394	2.1200e-003	0.0792	0.0261	0.1054	0.0212	0.0242	0.0454	0.0000	189.3352	189.3352	0.0376	4.1100e-003	191.5003
Maximum	**1.8490**	**2.2641**	**4.0277**	**0.0110**	**0.7532**	**0.0781**	**0.8313**	**0.2295**	**0.0737**	**0.2754**	**0.0000**	**1,004.1778**	**1,004.1778**	**0.0894**	**0.0408**	**1,018.5372**

JPI Fontanta Apartments - South Coast AQMD Air District, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

2.1 Overall Construction

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					
2024	0.1260	1.1471	1.0895	2.5900e-003	0.2671	0.0478	0.3149	0.1130	0.0441	0.1572	0.0000	231.1392	231.1392	0.0531	4.1500e-003	233.7051
2025	0.3440	2.1924	3.8578	0.0106	0.6914	0.0746	0.7660	0.1854	0.0702	0.2555	0.0000	961.2258	961.2258	0.0885	0.0408	975.6007
2026	1.8490	2.2641	4.0277	0.0110	0.7532	0.0781	0.8313	0.2018	0.0737	0.2754	0.0000	1,004.1774	1,004.1774	0.0894	0.0407	1,018.5368
2027	0.0834	0.6029	1.0393	2.1200e-003	0.0792	0.0261	0.1054	0.0212	0.0242	0.0454	0.0000	189.3350	189.3350	0.0376	4.1100e-003	191.5001
Maximum	**1.8490**	**2.2641**	**4.0277**	**0.0110**	**0.7532**	**0.0781**	**0.8313**	**0.2018**	**0.0737**	**0.2754**	**0.0000**	**1,004.1774**	**1,004.1774**	**0.0894**	**0.0408**	**1,018.5368**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**12.06**	**0.00**	**10.86**	**18.26**	**0.00**	**13.71**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	**9-4-2024**	**12-3-2024**	1.0447	1.0447
2	**12-4-2024**	**3-3-2025**	0.6400	0.6400
3	**3-4-2025**	**6-3-2025**	0.6343	0.6343
4	**6-4-2025**	**9-3-2025**	0.6313	0.6313
5	**9-4-2025**	**12-3-2025**	0.6314	0.6314
6	**12-4-2025**	**3-3-2026**	1.1295	1.1295
7	**3-4-2026**	**6-3-2026**	1.4308	1.4308
8	**6-4-2026**	**9-3-2026**	0.9135	0.9135

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

9	**9-4-2026**	**12-3-2026**	0.6259	0.6259
10	**12-4-2026**	**3-3-2027**	0.6555	0.6555
11	**3-4-2027**	**6-3-2027**	0.2364	0.2364
		Highest	1.4308	1.4308

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	1.9565	0.1290	4.5436	7.3000e-004		0.0312	0.0312		0.0312	0.0312	0.0000	96.5769	96.5769	8.8000e-003	1.6400e-003	97.2843
Energy	3.1000e-004	2.8100e-003	2.3600e-003	2.0000e-005		2.1000e-004	2.1000e-004		2.1000e-004	2.1000e-004	0.0000	632.1247	632.1247	0.0532	6.4900e-003	635.3881
Mobile	0.9318	1.0637	9.4347	0.0214	2.4963	0.0153	2.5115	0.6662	0.0142	0.6804	0.0000	2,053.7906	2,053.7906	0.1285	0.0880	2,083.2184
Waste						0.0000	0.0000		0.0000	0.0000	44.3292	0.0000	44.3292	2.6198	0.0000	109.8236
Water						0.0000	0.0000		0.0000	0.0000	9.9248	111.0022	120.9270	1.0287	0.0252	154.1568
Total	**2.8886**	**1.1955**	**13.9807**	**0.0221**	**2.4963**	**0.0467**	**2.5430**	**0.6662**	**0.0457**	**0.7119**	**54.2540**	**2,893.4945**	**2,947.7484**	**3.8389**	**0.1213**	**3,079.8712**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

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	1.9565	0.1290	4.5436	7.3000e-004		0.0312	0.0312		0.0312	0.0312	0.0000	96.5769	96.5769	8.8000e-003	1.6400e-003	97.2843
Energy	3.1000e-004	2.8100e-003	2.3600e-003	2.0000e-005		2.1000e-004	2.1000e-004		2.1000e-004	2.1000e-004	0.0000	393.0800	393.0800	0.0330	4.0500e-003	395.1102
Mobile	0.9318	1.0637	9.4347	0.0214	2.4963	0.0153	2.5115	0.6662	0.0142	0.6804	0.0000	2,053.7906	2,053.7906	0.1285	0.0880	2,083.2184
Waste						0.0000	0.0000		0.0000	0.0000	33.2469	0.0000	33.2469	1.9648	0.0000	82.3677
Water						0.0000	0.0000		0.0000	0.0000	7.9399	94.1897	102.1295	0.8235	0.0202	128.7411
Total	**2.8886**	**1.1955**	**13.9807**	**0.0221**	**2.4963**	**0.0467**	**2.5430**	**0.6662**	**0.0457**	**0.7119**	**41.1867**	**2,637.6372**	**2,678.8239**	**2.9585**	**0.1139**	**2,786.7217**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**24.09**	**8.84**	**9.12**	**22.93**	**6.12**	**9.52**

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	9/4/2024	10/15/2024	5	30	
2	Grading	Grading	10/16/2024	11/29/2024	5	33	
3	Building Construction	Building Construction	12/2/2024	2/8/2027	5	571	

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

4	Architectural Coating	Architectural Coating	1/5/2026	7/6/2026	5	131	
5	Paving	Paving	1/7/2027	5/10/2027	5	88	

Acres of Grading (Site Preparation Phase): 45

Acres of Grading (Grading Phase): 99

Acres of Paving: 5.81

Residential Indoor: 885,638; Residential Outdoor: 295,213; Non-Residential Indoor: 27,225; Non-Residential Outdoor: 9,075; Striped Parking Area: 15,504 (Architectural Coating – sqft)

OffRoad Equipment

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

Trips and VMT

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Site Preparation	7	18.00	6.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	6.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	430.00	92.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	16.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	86.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

3.2 Site Preparation - 2024

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					0.2949	0.0000	0.2949	0.1515	0.0000	0.1515	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0399	0.4076	0.2750	5.7000e-004		0.0184	0.0184		0.0170	0.0170	0.0000	50.1856	50.1856	0.0162	0.0000	50.5914
Total	**0.0399**	**0.4076**	**0.2750**	**5.7000e-004**	**0.2949**	**0.0184**	**0.3133**	**0.1515**	**0.0170**	**0.1685**	**0.0000**	**50.1856**	**50.1856**	**0.0162**	**0.0000**	**50.5914**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.2 Site Preparation - 2024

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	9.0000e-005	3.4400e-003	1.2800e-003	2.0000e-005	5.7000e-004	2.0000e-005	5.9000e-004	1.6000e-004	2.0000e-005	1.8000e-004	0.0000	1.5787	1.5787	5.0000e-005	2.3000e-004	1.6483
Worker	7.9000e-004	5.8000e-004	8.2100e-003	2.0000e-005	2.9600e-003	2.0000e-005	2.9800e-003	7.9000e-004	1.0000e-005	8.0000e-004	0.0000	2.2505	2.2505	5.0000e-005	6.0000e-005	2.2684
Total	**8.8000e-004**	**4.0200e-003**	**9.4900e-003**	**4.0000e-005**	**3.5300e-003**	**4.0000e-005**	**3.5700e-003**	**9.5000e-004**	**3.0000e-005**	**9.8000e-004**	**0.0000**	**3.8292**	**3.8292**	**1.0000e-004**	**2.9000e-004**	**3.9167**

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					0.1327	0.0000	0.1327	0.0682	0.0000	0.0682	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0399	0.4076	0.2750	5.7000e-004		0.0184	0.0184		0.0170	0.0170	0.0000	50.1855	50.1855	0.0162	0.0000	50.5913
Total	**0.0399**	**0.4076**	**0.2750**	**5.7000e-004**	**0.1327**	**0.0184**	**0.1511**	**0.0682**	**0.0170**	**0.0852**	**0.0000**	**50.1855**	**50.1855**	**0.0162**	**0.0000**	**50.5913**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.2 Site Preparation - 2024

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	9.0000e-005	3.4400e-003	1.2800e-003	2.0000e-005	5.7000e-004	2.0000e-005	5.9000e-004	1.6000e-004	2.0000e-005	1.8000e-004	0.0000	1.5787	1.5787	5.0000e-005	2.3000e-004	1.6483
Worker	7.9000e-004	5.8000e-004	8.2100e-003	2.0000e-005	2.9600e-003	2.0000e-005	2.9800e-003	7.9000e-004	1.0000e-005	8.0000e-004	0.0000	2.2505	2.2505	5.0000e-005	6.0000e-005	2.2684
Total	**8.8000e-004**	**4.0200e-003**	**9.4900e-003**	**4.0000e-005**	**3.5300e-003**	**4.0000e-005**	**3.5700e-003**	**9.5000e-004**	**3.0000e-005**	**9.8000e-004**	**0.0000**	**3.8292**	**3.8292**	**1.0000e-004**	**2.9000e-004**	**3.9167**

3.3 Grading - 2024

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					0.1519	0.0000	0.1519	0.0603	0.0000	0.0603	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0531	0.5342	0.4574	1.0200e-003		0.0220	0.0220		0.0203	0.0203	0.0000	89.9572	89.9572	0.0291	0.0000	90.6846
Total	**0.0531**	**0.5342**	**0.4574**	**1.0200e-003**	**0.1519**	**0.0220**	**0.1739**	**0.0603**	**0.0203**	**0.0806**	**0.0000**	**89.9572**	**89.9572**	**0.0291**	**0.0000**	**90.6846**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.3 Grading - 2024

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	1.0000e-004	3.7900e-003	1.4100e-003	2.0000e-005	6.2000e-004	2.0000e-005	6.5000e-004	1.8000e-004	2.0000e-005	2.0000e-004	0.0000	1.7366	1.7366	6.0000e-005	2.5000e-004	1.8132
Worker	9.6000e-004	7.1000e-004	0.0100	3.0000e-005	3.6200e-003	2.0000e-005	3.6400e-003	9.6000e-004	2.0000e-005	9.8000e-004	0.0000	2.7506	2.7506	7.0000e-005	7.0000e-005	2.7725
Total	**1.0600e-003**	**4.5000e-003**	**0.0114**	**5.0000e-005**	**4.2400e-003**	**4.0000e-005**	**4.2900e-003**	**1.1400e-003**	**4.0000e-005**	**1.1800e-003**	**0.0000**	**4.4872**	**4.4872**	**1.3000e-004**	**3.2000e-004**	**4.5856**

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					0.0683	0.0000	0.0683	0.0271	0.0000	0.0271	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0531	0.5342	0.4574	1.0200e-003		0.0220	0.0220		0.0203	0.0203	0.0000	89.9571	89.9571	0.0291	0.0000	90.6845
Total	**0.0531**	**0.5342**	**0.4574**	**1.0200e-003**	**0.0683**	**0.0220**	**0.0904**	**0.0271**	**0.0203**	**0.0474**	**0.0000**	**89.9571**	**89.9571**	**0.0291**	**0.0000**	**90.6845**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.3 Grading - 2024

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	1.0000e-004	3.7900e-003	1.4100e-003	2.0000e-005	6.2000e-004	2.0000e-005	6.5000e-004	1.8000e-004	2.0000e-005	2.0000e-004	0.0000	1.7366	1.7366	6.0000e-005	2.5000e-004	1.8132
Worker	9.6000e-004	7.1000e-004	0.0100	3.0000e-005	3.6200e-003	2.0000e-005	3.6400e-003	9.6000e-004	2.0000e-005	9.8000e-004	0.0000	2.7506	2.7506	7.0000e-005	7.0000e-005	2.7725
Total	**1.0600e-003**	**4.5000e-003**	**0.0114**	**5.0000e-005**	**4.2400e-003**	**4.0000e-005**	**4.2900e-003**	**1.1400e-003**	**4.0000e-005**	**1.1800e-003**	**0.0000**	**4.4872**	**4.4872**	**1.3000e-004**	**3.2000e-004**	**4.5856**

3.4 Building Construction - 2024

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	0.0162	0.1479	0.1778	3.0000e-004		6.7500e-003	6.7500e-003		6.3500e-003	6.3500e-003	0.0000	25.5034	25.5034	6.0300e-003	0.0000	25.6542
Total	**0.0162**	**0.1479**	**0.1778**	**3.0000e-004**		**6.7500e-003**	**6.7500e-003**		**6.3500e-003**	**6.3500e-003**	**0.0000**	**25.5034**	**25.5034**	**6.0300e-003**	**0.0000**	**25.6542**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.4 Building Construction - 2024

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	1.0700e-003	0.0387	0.0144	1.8000e-004	6.3800e-003	2.1000e-004	6.6000e-003	1.8400e-003	2.1000e-004	2.0500e-003	0.0000	17.7519	17.7519	6.0000e-004	2.5800e-003	18.5345
Worker	0.0138	0.0101	0.1438	4.3000e-004	0.0519	2.8000e-004	0.0522	0.0138	2.6000e-004	0.0140	0.0000	39.4250	39.4250	9.5000e-004	9.7000e-004	39.7384
Total	**0.0149**	**0.0489**	**0.1582**	**6.1000e-004**	**0.0583**	**4.9000e-004**	**0.0588**	**0.0156**	**4.7000e-004**	**0.0161**	**0.0000**	**57.1769**	**57.1769**	**1.5500e-003**	**3.5500e-003**	**58.2729**

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	0.0162	0.1479	0.1778	3.0000e-004		6.7500e-003	6.7500e-003		6.3500e-003	6.3500e-003	0.0000	25.5034	25.5034	6.0300e-003	0.0000	25.6541
Total	**0.0162**	**0.1479**	**0.1778**	**3.0000e-004**		**6.7500e-003**	**6.7500e-003**		**6.3500e-003**	**6.3500e-003**	**0.0000**	**25.5034**	**25.5034**	**6.0300e-003**	**0.0000**	**25.6541**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.4 Building Construction - 2024

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	1.0700e-003	0.0387	0.0144	1.8000e-004	6.3800e-003	2.1000e-004	6.6000e-003	1.8400e-003	2.1000e-004	2.0500e-003	0.0000	17.7519	17.7519	6.0000e-004	2.5800e-003	18.5345
Worker	0.0138	0.0101	0.1438	4.3000e-004	0.0519	2.8000e-004	0.0522	0.0138	2.6000e-004	0.0140	0.0000	39.4250	39.4250	9.5000e-004	9.7000e-004	39.7384
Total	**0.0149**	**0.0489**	**0.1582**	**6.1000e-004**	**0.0583**	**4.9000e-004**	**0.0588**	**0.0156**	**4.7000e-004**	**0.0161**	**0.0000**	**57.1769**	**57.1769**	**1.5500e-003**	**3.5500e-003**	**58.2729**

3.4 Building Construction - 2025

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	0.1785	1.6273	2.0991	3.5200e-003		0.0689	0.0689		0.0648	0.0648	0.0000	302.6549	302.6549	0.0711	0.0000	304.4335
Total	**0.1785**	**1.6273**	**2.0991**	**3.5200e-003**		**0.0689**	**0.0689**		**0.0648**	**0.0648**	**0.0000**	**302.6549**	**302.6549**	**0.0711**	**0.0000**	**304.4335**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.4 Building Construction - 2025

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	0.0124	0.4573	0.1687	2.1100e-003	0.0757	2.5600e-003	0.0783	0.0219	2.4500e-003	0.0243	0.0000	206.7653	206.7653	7.1900e-003	0.0300	215.8949
Worker	0.1532	0.1079	1.5900	4.9300e-003	0.6157	3.2100e-003	0.6189	0.1635	2.9500e-003	0.1665	0.0000	451.8060	451.8060	0.0102	0.0108	455.2727
Total	**0.1656**	**0.5651**	**1.7587**	**7.0400e-003**	**0.6914**	**5.7700e-003**	**0.6971**	**0.1854**	**5.4000e-003**	**0.1907**	**0.0000**	**658.5713**	**658.5713**	**0.0173**	**0.0408**	**671.1676**

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	0.1784	1.6273	2.0991	3.5200e-003		0.0689	0.0689		0.0648	0.0648	0.0000	302.6545	302.6545	0.0711	0.0000	304.4331
Total	**0.1784**	**1.6273**	**2.0991**	**3.5200e-003**		**0.0689**	**0.0689**		**0.0648**	**0.0648**	**0.0000**	**302.6545**	**302.6545**	**0.0711**	**0.0000**	**304.4331**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.4 Building Construction - 2025

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	0.0124	0.4573	0.1687	2.1100e-003	0.0757	2.5600e-003	0.0783	0.0219	2.4500e-003	0.0243	0.0000	206.7653	206.7653	7.1900e-003	0.0300	215.8949
Worker	0.1532	0.1079	1.5900	4.9300e-003	0.6157	3.2100e-003	0.6189	0.1635	2.9500e-003	0.1665	0.0000	451.8060	451.8060	0.0102	0.0108	455.2727
Total	**0.1656**	**0.5651**	**1.7587**	**7.0400e-003**	**0.6914**	**5.7700e-003**	**0.6971**	**0.1854**	**5.4000e-003**	**0.1907**	**0.0000**	**658.5713**	**658.5713**	**0.0173**	**0.0408**	**671.1676**

3.4 Building Construction - 2026

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	0.1785	1.6273	2.0991	3.5200e-003		0.0689	0.0689		0.0648	0.0648	0.0000	302.6549	302.6549	0.0711	0.0000	304.4335
Total	**0.1785**	**1.6273**	**2.0991**	**3.5200e-003**		**0.0689**	**0.0689**		**0.0648**	**0.0648**	**0.0000**	**302.6549**	**302.6549**	**0.0711**	**0.0000**	**304.4335**

JPI Fontanta Apartments - South Coast AQMD Air District, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.4 Building Construction - 2026

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	0.0121	0.4540	0.1667	2.0700e-003	0.0757	2.5500e-003	0.0783	0.0219	2.4400e-003	0.0243	0.0000	202.8897	202.8897	7.2000e-003	0.0295	211.8601
Worker	0.1444	0.0979	1.4935	4.7800e-003	0.6157	3.0400e-003	0.6187	0.1635	2.8000e-003	0.1663	0.0000	437.9469	437.9469	9.2300e-003	0.0102	441.2072
Total	**0.1565**	**0.5519**	**1.6602**	**6.8500e-003**	**0.6914**	**5.5900e-003**	**0.6970**	**0.1854**	**5.2400e-003**	**0.1906**	**0.0000**	**640.8366**	**640.8366**	**0.0164**	**0.0397**	**653.0673**

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	0.1784	1.6273	2.0991	3.5200e-003		0.0689	0.0689		0.0648	0.0648	0.0000	302.6545	302.6545	0.0711	0.0000	304.4331
Total	**0.1784**	**1.6273**	**2.0991**	**3.5200e-003**		**0.0689**	**0.0689**		**0.0648**	**0.0648**	**0.0000**	**302.6545**	**302.6545**	**0.0711**	**0.0000**	**304.4331**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.4 Building Construction - 2026

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	0.0121	0.4540	0.1667	2.0700e-003	0.0757	2.5500e-003	0.0783	0.0219	2.4400e-003	0.0243	0.0000	202.8897	202.8897	7.2000e-003	0.0295	211.8601
Worker	0.1444	0.0979	1.4935	4.7800e-003	0.6157	3.0400e-003	0.6187	0.1635	2.8000e-003	0.1663	0.0000	437.9469	437.9469	9.2300e-003	0.0102	441.2072
Total	**0.1565**	**0.5519**	**1.6602**	**6.8500e-003**	**0.6914**	**5.5900e-003**	**0.6970**	**0.1854**	**5.2400e-003**	**0.1906**	**0.0000**	**640.8366**	**640.8366**	**0.0164**	**0.0397**	**653.0673**

3.4 Building Construction - 2027

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	0.0185	0.1683	0.2171	3.6000e-004		7.1200e-003	7.1200e-003		6.7000e-003	6.7000e-003	0.0000	31.3091	31.3091	7.3600e-003	0.0000	31.4931
Total	**0.0185**	**0.1683**	**0.2171**	**3.6000e-004**		**7.1200e-003**	**7.1200e-003**		**6.7000e-003**	**6.7000e-003**	**0.0000**	**31.3091**	**31.3091**	**7.3600e-003**	**0.0000**	**31.4931**

JPI Fontanta Apartments - South Coast AQMD Air District, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.4 Building Construction - 2027

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	1.2300e-003	0.0466	0.0171	2.1000e-004	7.8300e-003	2.6000e-004	8.1000e-003	2.2600e-003	2.5000e-004	2.5100e-003	0.0000	20.5705	20.5705	7.4000e-004	2.9900e-003	21.4813
Worker	0.0141	9.2600e-003	0.1460	4.8000e-004	0.0637	3.0000e-004	0.0640	0.0169	2.7000e-004	0.0172	0.0000	44.0310	44.0310	8.7000e-004	1.0000e-003	44.3504
Total	**0.0153**	**0.0559**	**0.1631**	**6.9000e-004**	**0.0715**	**5.6000e-004**	**0.0721**	**0.0192**	**5.2000e-004**	**0.0197**	**0.0000**	**64.6015**	**64.6015**	**1.6100e-003**	**3.9900e-003**	**65.8316**

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	0.0185	0.1683	0.2171	3.6000e-004		7.1200e-003	7.1200e-003		6.7000e-003	6.7000e-003	0.0000	31.3091	31.3091	7.3600e-003	0.0000	31.4931
Total	**0.0185**	**0.1683**	**0.2171**	**3.6000e-004**		**7.1200e-003**	**7.1200e-003**		**6.7000e-003**	**6.7000e-003**	**0.0000**	**31.3091**	**31.3091**	**7.3600e-003**	**0.0000**	**31.4931**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.4 Building Construction - 2027

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	1.2300e-003	0.0466	0.0171	2.1000e-004	7.8300e-003	2.6000e-004	8.1000e-003	2.2600e-003	2.5000e-004	2.5100e-003	0.0000	20.5705	20.5705	7.4000e-004	2.9900e-003	21.4813
Worker	0.0141	9.2600e-003	0.1460	4.8000e-004	0.0637	3.0000e-004	0.0640	0.0169	2.7000e-004	0.0172	0.0000	44.0310	44.0310	8.7000e-004	1.0000e-003	44.3504
Total	**0.0153**	**0.0559**	**0.1631**	**6.9000e-004**	**0.0715**	**5.6000e-004**	**0.0721**	**0.0192**	**5.2000e-004**	**0.0197**	**0.0000**	**64.6015**	**64.6015**	**1.6100e-003**	**3.9900e-003**	**65.8316**

3.5 Architectural Coating - 2026

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	1.4884					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0112	0.0750	0.1185	1.9000e-004		3.3700e-003	3.3700e-003		3.3700e-003	3.3700e-003	0.0000	16.7238	16.7238	9.1000e-004	0.0000	16.7466
Total	**1.4996**	**0.0750**	**0.1185**	**1.9000e-004**		**3.3700e-003**	**3.3700e-003**		**3.3700e-003**	**3.3700e-003**	**0.0000**	**16.7238**	**16.7238**	**9.1000e-004**	**0.0000**	**16.7466**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.5 Architectural Coating - 2026

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0145	9.8300e-003	0.1499	4.8000e-004	0.0618	3.1000e-004	0.0621	0.0164	2.8000e-004	0.0167	0.0000	43.9625	43.9625	9.3000e-004	1.0200e-003	44.2898
Total	**0.0145**	**9.8300e-003**	**0.1499**	**4.8000e-004**	**0.0618**	**3.1000e-004**	**0.0621**	**0.0164**	**2.8000e-004**	**0.0167**	**0.0000**	**43.9625**	**43.9625**	**9.3000e-004**	**1.0200e-003**	**44.2898**

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	1.4884					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0112	0.0750	0.1185	1.9000e-004		3.3700e-003	3.3700e-003		3.3700e-003	3.3700e-003	0.0000	16.7238	16.7238	9.1000e-004	0.0000	16.7466
Total	**1.4996**	**0.0750**	**0.1185**	**1.9000e-004**		**3.3700e-003**	**3.3700e-003**		**3.3700e-003**	**3.3700e-003**	**0.0000**	**16.7238**	**16.7238**	**9.1000e-004**	**0.0000**	**16.7466**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.5 Architectural Coating - 2026

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0145	9.8300e-003	0.1499	4.8000e-004	0.0618	3.1000e-004	0.0621	0.0164	2.8000e-004	0.0167	0.0000	43.9625	43.9625	9.3000e-004	1.0200e-003	44.2898
Total	**0.0145**	**9.8300e-003**	**0.1499**	**4.8000e-004**	**0.0618**	**3.1000e-004**	**0.0621**	**0.0164**	**2.8000e-004**	**0.0167**	**0.0000**	**43.9625**	**43.9625**	**9.3000e-004**	**1.0200e-003**	**44.2898**

3.6 Paving - 2027

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	0.0403	0.3776	0.6414	1.0000e-003		0.0184	0.0184		0.0169	0.0169	0.0000	88.0847	88.0847	0.0285	0.0000	88.7969
Paving	7.6100e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0479**	**0.3776**	**0.6414**	**1.0000e-003**		**0.0184**	**0.0184**		**0.0169**	**0.0169**	**0.0000**	**88.0847**	**88.0847**	**0.0285**	**0.0000**	**88.7969**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.6 Paving - 2027

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	1.7100e-003	1.1200e-003	0.0177	6.0000e-005	7.7200e-003	4.0000e-005	7.7600e-003	2.0500e-003	3.0000e-005	2.0800e-003	0.0000	5.3399	5.3399	1.1000e-004	1.2000e-004	5.3786
Total	**1.7100e-003**	**1.1200e-003**	**0.0177**	**6.0000e-005**	**7.7200e-003**	**4.0000e-005**	**7.7600e-003**	**2.0500e-003**	**3.0000e-005**	**2.0800e-003**	**0.0000**	**5.3399**	**5.3399**	**1.1000e-004**	**1.2000e-004**	**5.3786**

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	0.0403	0.3776	0.6414	1.0000e-003		0.0184	0.0184		0.0169	0.0169	0.0000	88.0846	88.0846	0.0285	0.0000	88.7968
Paving	7.6100e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0479**	**0.3776**	**0.6414**	**1.0000e-003**		**0.0184**	**0.0184**		**0.0169**	**0.0169**	**0.0000**	**88.0846**	**88.0846**	**0.0285**	**0.0000**	**88.7968**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.6 Paving - 2027

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	1.7100e-003	1.1200e-003	0.0177	6.0000e-005	7.7200e-003	4.0000e-005	7.7600e-003	2.0500e-003	3.0000e-005	2.0800e-003	0.0000	5.3399	5.3399	1.1000e-004	1.2000e-004	5.3786
Total	**1.7100e-003**	**1.1200e-003**	**0.0177**	**6.0000e-005**	**7.7200e-003**	**4.0000e-005**	**7.7600e-003**	**2.0500e-003**	**3.0000e-005**	**2.0800e-003**	**0.0000**	**5.3399**	**5.3399**	**1.1000e-004**	**1.2000e-004**	**5.3786**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

	ROG	NOx	CO	SO2	Fugitive 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	0.9318	1.0637	9.4347	0.0214	2.4963	0.0153	2.5115	0.6662	0.0142	0.6804	0.0000	2,053.7906	2,053.7906	0.1285	0.0880	2,083.2184
Unmitigated	0.9318	1.0637	9.4347	0.0214	2.4963	0.0153	2.5115	0.6662	0.0142	0.6804	0.0000	2,053.7906	2,053.7906	0.1285	0.0880	2,083.2184

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Mid Rise	1,983.98	1,791.70	1490.17	6,315,144	6,315,144
General Office Building	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Strip Mall	186.00	176.44	85.76	314,983	314,983
Total	2,169.98	1,968.14	1,575.93	6,630,127	6,630,127

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Apartments Mid Rise	14.55	5.53	8.50	40.20	19.20	40.60	86	11	3
General Office Building	16.60	8.40	6.90	33.00	48.00	19.00	77	19	4
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Strip Mall	15.00	8.40	6.90	16.60	64.40	19.00	45	40	15

4.4 Fleet Mix

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Mid Rise	0.540015	0.063309	0.186717	0.127205	0.023780	0.006682	0.012512	0.009167	0.000820	0.000485	0.025014	0.000756	0.003538
General Office Building	0.540015	0.063309	0.186717	0.127205	0.023780	0.006682	0.012512	0.009167	0.000820	0.000485	0.025014	0.000756	0.003538
Parking Lot	0.540015	0.063309	0.186717	0.127205	0.023780	0.006682	0.012512	0.009167	0.000820	0.000485	0.025014	0.000756	0.003538
Strip Mall	0.540015	0.063309	0.186717	0.127205	0.023780	0.006682	0.012512	0.009167	0.000820	0.000485	0.025014	0.000756	0.003538

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Percent of Electricity Use Generated with Renewable 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	390.0204	390.0204	0.0329	3.9900e-003	392.0324
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	629.0651	629.0651	0.0531	6.4400e-003	632.3103
NaturalGas Mitigated	3.1000e-004	2.8100e-003	2.3600e-003	2.0000e-005		2.1000e-004	2.1000e-004		2.1000e-004	2.1000e-004	0.0000	3.0596	3.0596	6.0000e-005	6.0000e-005	3.0778
NaturalGas Unmitigated	3.1000e-004	2.8100e-003	2.3600e-003	2.0000e-005		2.1000e-004	2.1000e-004		2.1000e-004	2.1000e-004	0.0000	3.0596	3.0596	6.0000e-005	6.0000e-005	3.0778

JPI Fontanta Apartments - South Coast AQMD Air District, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

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					
Apartments Mid Rise	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
General Office Building	48534.5	2.6000e-004	2.3800e-003	2.0000e-003	1.0000e-005		1.8000e-004	1.8000e-004		1.8000e-004	1.8000e-004	0.0000	2.5900	2.5900	5.0000e-005	5.0000e-005	2.6054
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Strip Mall	8800	5.0000e-005	4.3000e-004	3.6000e-004	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005	0.0000	0.4696	0.4696	1.0000e-005	1.0000e-005	0.4724
Total		**3.1000e-004**	**2.8100e-003**	**2.3600e-003**	**1.0000e-005**		**2.1000e-004**	**2.1000e-004**		**2.1000e-004**	**2.1000e-004**	**0.0000**	**3.0596**	**3.0596**	**6.0000e-005**	**6.0000e-005**	**3.0778**

JPI Fontanta Apartments - South Coast AQMD Air District, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

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					
Apartments Mid Rise	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
General Office Building	48534.5	2.6000e-004	2.3800e-003	2.0000e-003	1.0000e-005		1.8000e-004	1.8000e-004		1.8000e-004	1.8000e-004	0.0000	2.5900	2.5900	5.0000e-005	5.0000e-005	2.6054
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Strip Mall	8800	5.0000e-005	4.3000e-004	3.6000e-004	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005	0.0000	0.4696	0.4696	1.0000e-005	1.0000e-005	0.4724
Total		**3.1000e-004**	**2.8100e-003**	**2.3600e-003**	**1.0000e-005**		**2.1000e-004**	**2.1000e-004**		**2.1000e-004**	**2.1000e-004**	**0.0000**	**3.0596**	**3.0596**	**6.0000e-005**	**6.0000e-005**	**3.0778**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments Mid Rise	3.27808e+006	581.3523	0.0491	5.9500e-003	584.3514
General Office Building	130039	23.0618	1.9500e-003	2.4000e-004	23.1807
Parking Lot	90440	16.0391	1.3500e-003	1.6000e-004	16.1219
Strip Mall	48560	8.6119	7.3000e-004	9.0000e-005	8.6563
Total		**629.0651**	**0.0531**	**6.4400e-003**	**632.3103**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

5.3 Energy by Land Use - Electricity

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments Mid Rise	2.03241e+006	360.4384	0.0304	3.6900e-003	362.2979
General Office Building	80623.9	14.2983	1.2100e-003	1.5000e-004	14.3721
Parking Lot	56072.8	9.9443	8.4000e-004	1.0000e-004	9.9956
Strip Mall	30107.2	5.3394	4.5000e-004	5.0000e-005	5.3669
Total		**390.0204**	**0.0329**	**3.9900e-003**	**392.0324**

6.0 Area Detail

6.1 Mitigation Measures Area

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

	ROG	NOx	CO	SO2	Fugitive 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	1.9565	0.1290	4.5436	7.3000e-004		0.0312	0.0312		0.0312	0.0312	0.0000	96.5769	96.5769	8.8000e-003	1.6400e-003	97.2843
Unmitigated	1.9565	0.1290	4.5436	7.3000e-004		0.0312	0.0312		0.0312	0.0312	0.0000	96.5769	96.5769	8.8000e-003	1.6400e-003	97.2843

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	0.1488					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	1.6627					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	9.0100e-003	0.0770	0.0328	4.9000e-004		6.2300e-003	6.2300e-003		6.2300e-003	6.2300e-003	0.0000	89.1989	89.1989	1.7100e-003	1.6400e-003	89.7290
Landscaping	0.1360	0.0519	4.5108	2.4000e-004		0.0250	0.0250		0.0250	0.0250	0.0000	7.3780	7.3780	7.0900e-003	0.0000	7.5553
Total	**1.9565**	**0.1290**	**4.5436**	**7.3000e-004**		**0.0312**	**0.0312**		**0.0312**	**0.0312**	**0.0000**	**96.5769**	**96.5769**	**8.8000e-003**	**1.6400e-003**	**97.2843**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

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	0.1488					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	1.6627					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	9.0100e-003	0.0770	0.0328	4.9000e-004		6.2300e-003	6.2300e-003		6.2300e-003	6.2300e-003	0.0000	89.1989	89.1989	1.7100e-003	1.6400e-003	89.7290
Landscaping	0.1360	0.0519	4.5108	2.4000e-004		0.0250	0.0250		0.0250	0.0250	0.0000	7.3780	7.3780	7.0900e-003	0.0000	7.5553
Total	**1.9565**	**0.1290**	**4.5436**	**7.3000e-004**		**0.0312**	**0.0312**		**0.0312**	**0.0312**	**0.0000**	**96.5769**	**96.5769**	**8.8000e-003**	**1.6400e-003**	**97.2843**

7.0 Water Detail

7.1 Mitigation Measures Water

Install Low Flow Bathroom Faucet

Install Low Flow Kitchen Faucet

Install Low Flow Toilet

Install Low Flow Shower

Use Water Efficient Irrigation System

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	102.1295	0.8235	0.0202	128.7411
Unmitigated	120.9270	1.0287	0.0252	154.1568

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Mid Rise	28.4723 / 17.9499	110.1486	0.9363	0.0229	140.3927
General Office Building	2.51493 / 1.54141	9.6425	0.0827	2.0300e-003	12.3134
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Strip Mall	0.29629 / 0.181597	1.1360	9.7400e-003	2.4000e-004	1.4507
Total		**120.9270**	**1.0288**	**0.0252**	**154.1568**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

7.2 Water by Land Use

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Mid Rise	22.7778 / 16.855	93.0349	0.7495	0.0184	117.2555
General Office Building	2.01195 / 1.44738	8.1361	0.0662	1.6200e-003	10.2751
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Strip Mall	0.237032 / 0.17052	0.9585	7.8000e-003	1.9000e-004	1.2105
Total		**102.1295**	**0.8235**	**0.0202**	**128.7411**

8.0 Waste Detail

8.1 Mitigation Measures Waste

Institute Recycling and Composting Services

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	33.2469	1.9648	0.0000	82.3677
Unmitigated	44.3292	2.6198	0.0000	109.8236

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Mid Rise	201.02	40.8052	2.4115	0.0000	101.0933
General Office Building	13.16	2.6714	0.1579	0.0000	6.6182
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Strip Mall	4.2	0.8526	0.0504	0.0000	2.1122
Total		**44.3292**	**2.6198**	**0.0000**	**109.8236**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

8.2 Waste by Land Use

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Mid Rise	150.765	30.6039	1.8086	0.0000	75.8200
General Office Building	9.87	2.0035	0.1184	0.0000	4.9636
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Strip Mall	3.15	0.6394	0.0378	0.0000	1.5841
Total		**33.2469**	**1.9648**	**0.0000**	**82.3677**

9.0 Operational Offroad

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

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

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

Boilers

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

User Defined Equipment

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Equipment Type	Number

11.0 Vegetation

JPI Fontanta Apartments - South Coast AQMD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

JPI Fontanta Apartments

South Coast AQMD Air District, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	14.15	1000sqft	0.32	14,150.00	0
Parking Lot	646.00	Space	5.81	258,400.00	0
Apartments Mid Rise	437.00	Dwelling Unit	11.50	437,352.00	1250
Strip Mall	4.00	1000sqft	0.09	4,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	31
Climate Zone	10			**Operational Year**	2027
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	390.98	**CH4 Intensity (lb/MWhr)**	0.033	**N2O Intensity (lb/MWhr)**	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics - Operational year 2027.

Land Use - Residential SF updated based on Site Plan.

Construction Phase - Construction schedule information provided by the project applicant.

Trips and VMT - Water trucks were added as vendor trucks during the site preparation and grading phases.

Grading - CalEEMod defaults.

Architectural Coating - CalEEMod defaults.

Vehicle Trips - Based on Transportation analysis and VMT memorandum.

Vehicle Emission Factors - CalEEMod defaults.

Vehicle Emission Factors - CalEEMod defaults.

JPI Fontanta Apartments - South Coast AQMD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Vehicle Emission Factors - CalEEMod defaults.

Woodstoves - in complinace with SCAQMD rules no wood stoves and only gas fireplaces.

Energy Use - Residential energy use was modfied to relect electricy only design.

Construction Off-road Equipment Mitigation - Compliacne with SCAQMD Rule 403.

Mobile Land Use Mitigation - Not applied.

Energy Mitigation - On-site Renewable energy reduction based on information provided by the project applicant.

Water Mitigation - Indoor/Outdoor water use reduction based on information provided by the project applicant.

Waste Mitigation - Solid waste reduction based on information provided by the project applicant and compliance with San Bernadino County Regional GHG reduction plan

Fleet Mix - CalEEMod defaults.

Area Coating - CalEEMod defaults.

Water And Wastewater - CalEEmod defaults.

Solid Waste - CalEEmod defaults.

Table Name	Column Name	Default Value	New Value
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstructionPhase	NumDays	20.00	131.00
tblConstructionPhase	NumDays	300.00	571.00
tblConstructionPhase	NumDays	30.00	33.00
tblConstructionPhase	NumDays	20.00	88.00
tblConstructionPhase	NumDays	10.00	30.00
tblEnergyUse	NT24E	3,054.10	3,525.70
tblEnergyUse	NT24NG	6,030.00	0.00
tblEnergyUse	T24E	164.47	3,234.18
tblEnergyUse	T24NG	8,352.17	0.00
tblFireplaces	NumberWood	21.85	0.00
tblLandUse	LandUseSquareFeet	437,000.00	437,352.00
tblTripsAndVMT	VendorTripNumber	0.00	6.00
tblTripsAndVMT	VendorTripNumber	0.00	6.00
tblTripsAndVMT	WorkerTripNumber	429.00	430.00

JPI Fontanta Apartments - South Coast AQMD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblTripsAndVMT	WorkerTripNumber	15.00	16.00
tblVehicleTrips	CW_TL	16.60	15.00
tblVehicleTrips	HO_TL	8.70	8.50
tblVehicleTrips	HS_TL	5.90	5.53
tblVehicleTrips	HW_TL	14.70	14.55
tblVehicleTrips	ST_TR	4.91	4.10
tblVehicleTrips	ST_TR	2.21	0.00
tblVehicleTrips	ST_TR	42.04	44.11
tblVehicleTrips	SU_TR	4.09	3.41
tblVehicleTrips	SU_TR	0.70	0.00
tblVehicleTrips	SU_TR	20.43	21.44
tblVehicleTrips	WD_TR	5.44	4.54
tblVehicleTrips	WD_TR	9.74	0.00
tblVehicleTrips	WD_TR	44.32	46.50
tblWoodstoves	NumberCatalytic	21.85	0.00
tblWoodstoves	NumberNoncatalytic	21.85	0.00

2.0 Emissions Summary

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

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					
2024	3.2842	32.6340	31.5075	0.0843	19.8966	1.3379	21.1283	10.1669	1.2309	11.3001	0.0000	8,464.0904	8,464.0904	1.9520	0.3482	8,586.8134
2025	2.6642	16.5484	30.4446	0.0826	5.3955	0.5717	5.9672	1.4443	0.5376	1.9819	0.0000	8,291.6750	8,291.6750	0.7461	0.3379	8,411.0272
2026	25.7117	17.7368	33.8968	0.0917	6.3568	0.6265	6.9833	1.6992	0.5922	2.2914	0.0000	9,191.3862	9,191.3862	0.7691	0.3446	9,313.2983
2027	3.6538	24.9799	43.9476	0.1039	5.5743	0.9882	6.5625	1.4917	0.9208	2.4125	0.0000	10,340.1171	10,340.1171	1.4481	0.3227	10,472.4938
Maximum	**25.7117**	**32.6340**	**43.9476**	**0.1039**	**19.8966**	**1.3379**	**21.1283**	**10.1669**	**1.2309**	**11.3001**	**0.0000**	**10,340.1171**	**10,340.1171**	**1.9520**	**0.3482**	**10,472.4938**

JPI Fontanta Apartments - South Coast AQMD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

2.1 Overall Construction (Maximum Daily Emission)

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					
2024	3.2842	32.6340	31.5075	0.0843	9.0853	1.3379	10.3170	4.6105	1.2309	5.7437	0.0000	8,464.0904	8,464.0904	1.9520	0.3482	8,586.8134
2025	2.6642	16.5484	30.4446	0.0826	5.3955	0.5717	5.9672	1.4443	0.5376	1.9819	0.0000	8,291.6750	8,291.6750	0.7461	0.3379	8,411.0272
2026	25.7117	17.7368	33.8968	0.0917	6.3568	0.6265	6.9833	1.6992	0.5922	2.2914	0.0000	9,191.3862	9,191.3862	0.7691	0.3446	9,313.2983
2027	3.6538	24.9799	43.9476	0.1039	5.5743	0.9882	6.5625	1.4917	0.9208	2.4125	0.0000	10,340.1171	10,340.1171	1.4481	0.3227	10,472.4938
Maximum	**25.7117**	**32.6340**	**43.9476**	**0.1039**	**9.0853**	**1.3379**	**10.3170**	**4.6105**	**1.2309**	**5.7437**	**0.0000**	**10,340.1171**	**10,340.1171**	**1.9520**	**0.3482**	**10,472.4938**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**29.04**	**0.00**	**26.60**	**37.54**	**0.00**	**30.89**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

JPI Fontanta Apartments - South Coast AQMD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

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	11.7347	6.5772	38.7085	0.0412		0.6983	0.6983		0.6983	0.6983	0.0000	7,931.0627	7,931.0627	0.2133	0.1442	7,979.3700
Energy	1.6900e-003	0.0154	0.0129	9.0000e-005		1.1700e-003	1.1700e-003		1.1700e-003	1.1700e-003		18.4801	18.4801	3.5000e-004	3.4000e-004	18.5899
Mobile	5.6929	5.6698	55.7221	0.1284	14.7241	0.0885	14.8125	3.9239	0.0823	4.0062		13,596.2527	13,596.2527	0.8019	0.5385	13,776.7664
Total	**17.4294**	**12.2625**	**94.4436**	**0.1697**	**14.7241**	**0.7879**	**15.5120**	**3.9239**	**0.7817**	**4.7056**	**0.0000**	**21,545.7955**	**21,545.7955**	**1.0156**	**0.6830**	**21,774.7263**

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	11.7347	6.5772	38.7085	0.0412		0.6983	0.6983		0.6983	0.6983	0.0000	7,931.0627	7,931.0627	0.2133	0.1442	7,979.3700
Energy	1.6900e-003	0.0154	0.0129	9.0000e-005		1.1700e-003	1.1700e-003		1.1700e-003	1.1700e-003		18.4801	18.4801	3.5000e-004	3.4000e-004	18.5899
Mobile	5.6929	5.6698	55.7221	0.1284	14.7241	0.0885	14.8125	3.9239	0.0823	4.0062		13,596.2527	13,596.2527	0.8019	0.5385	13,776.7664
Total	**17.4294**	**12.2625**	**94.4436**	**0.1697**	**14.7241**	**0.7879**	**15.5120**	**3.9239**	**0.7817**	**4.7056**	**0.0000**	**21,545.7955**	**21,545.7955**	**1.0156**	**0.6830**	**21,774.7263**

JPI Fontanta Apartments - South Coast AQMD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	9/4/2024	10/15/2024	5	30	
2	Grading	Grading	10/16/2024	11/29/2024	5	33	
3	Building Construction	Building Construction	12/2/2024	2/8/2027	5	571	
4	Architectural Coating	Architectural Coating	1/5/2026	7/6/2026	5	131	
5	Paving	Paving	1/7/2027	5/10/2027	5	88	

Acres of Grading (Site Preparation Phase): 45

Acres of Grading (Grading Phase): 99

Acres of Paving: 5.81

Residential Indoor: 885,638; Residential Outdoor: 295,213; Non-Residential Indoor: 27,225; Non-Residential Outdoor: 9,075; Striped Parking Area: 15,504 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading	Excavators	2	8.00	158	0.38
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Scrapers	2	8.00	367	0.48

JPI Fontanta Apartments - South Coast AQMD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Paving	Pavers	2	8.00	130	0.42
Paving	Paving Equipment	2	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Site Preparation	7	18.00	6.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	6.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	430.00	92.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	16.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	86.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.2 Site Preparation - 2024

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					19.6570	0.0000	19.6570	10.1025	0.0000	10.1025			0.0000			0.0000
Off-Road	2.6609	27.1760	18.3356	0.0381		1.2294	1.2294		1.1310	1.1310		3,688.0100	3,688.0100	1.1928		3,717.8294
Total	**2.6609**	**27.1760**	**18.3356**	**0.0381**	**19.6570**	**1.2294**	**20.8864**	**10.1025**	**1.1310**	**11.2335**		**3,688.0100**	**3,688.0100**	**1.1928**		**3,717.8294**

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	0.0000
Vendor	6.4800e-003	0.2188	0.0843	1.0800e-003	0.0384	1.2700e-003	0.0397	0.0111	1.2200e-003	0.0123		115.9265	115.9265	3.9500e-003	0.0168	121.0339
Worker	0.0536	0.0345	0.5880	1.7100e-003	0.2012	1.0800e-003	0.2023	0.0534	9.9000e-004	0.0544		172.9194	172.9194	3.9100e-003	3.7900e-003	174.1459
Total	**0.0601**	**0.2532**	**0.6724**	**2.7900e-003**	**0.2396**	**2.3500e-003**	**0.2420**	**0.0644**	**2.2100e-003**	**0.0666**		**288.8459**	**288.8459**	**7.8600e-003**	**0.0206**	**295.1798**

JPI Fontanta Apartments - South Coast AQMD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.2 Site Preparation - 2024

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					8.8457	0.0000	8.8457	4.5461	0.0000	4.5461			0.0000			0.0000
Off-Road	2.6609	27.1760	18.3356	0.0381		1.2294	1.2294		1.1310	1.1310	0.0000	3,688.0100	3,688.0100	1.1928		3,717.8294
Total	**2.6609**	**27.1760**	**18.3356**	**0.0381**	**8.8457**	**1.2294**	**10.0750**	**4.5461**	**1.1310**	**5.6771**	**0.0000**	**3,688.0100**	**3,688.0100**	**1.1928**		**3,717.8294**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	6.4800e-003	0.2188	0.0843	1.0800e-003	0.0384	1.2700e-003	0.0397	0.0111	1.2200e-003	0.0123		115.9265	115.9265	3.9500e-003	0.0168	121.0339
Worker	0.0536	0.0345	0.5880	1.7100e-003	0.2012	1.0800e-003	0.2023	0.0534	9.9000e-004	0.0544		172.9194	172.9194	3.9100e-003	3.7900e-003	174.1459
Total	**0.0601**	**0.2532**	**0.6724**	**2.7900e-003**	**0.2396**	**2.3500e-003**	**0.2420**	**0.0644**	**2.2100e-003**	**0.0666**		**288.8459**	**288.8459**	**7.8600e-003**	**0.0206**	**295.1798**

JPI Fontanta Apartments - South Coast AQMD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.3 Grading - 2024

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					9.2036	0.0000	9.2036	3.6538	0.0000	3.6538			0.0000			0.0000
Off-Road	3.2181	32.3770	27.7228	0.0621		1.3354	1.3354		1.2286	1.2286		6,009.7487	6,009.7487	1.9437		6,058.3405
Total	**3.2181**	**32.3770**	**27.7228**	**0.0621**	**9.2036**	**1.3354**	**10.5390**	**3.6538**	**1.2286**	**4.8823**		**6,009.7487**	**6,009.7487**	**1.9437**		**6,058.3405**

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	0.0000
Vendor	6.4800e-003	0.2188	0.0843	1.0800e-003	0.0384	1.2700e-003	0.0397	0.0111	1.2200e-003	0.0123		115.9265	115.9265	3.9500e-003	0.0168	121.0339
Worker	0.0596	0.0383	0.6534	1.9000e-003	0.2236	1.2000e-003	0.2248	0.0593	1.1100e-003	0.0604		192.1326	192.1326	4.3500e-003	4.2100e-003	193.4955
Total	**0.0661**	**0.2571**	**0.7377**	**2.9800e-003**	**0.2620**	**2.4700e-003**	**0.2644**	**0.0704**	**2.3300e-003**	**0.0727**		**308.0591**	**308.0591**	**8.3000e-003**	**0.0210**	**314.5294**

JPI Fontanta Apartments - South Coast AQMD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.3 Grading - 2024

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					4.1416	0.0000	4.1416	1.6442	0.0000	1.6442			0.0000			0.0000
Off-Road	3.2181	32.3770	27.7228	0.0621		1.3354	1.3354		1.2286	1.2286	0.0000	6,009.7487	6,009.7487	1.9437		6,058.3405
Total	**3.2181**	**32.3770**	**27.7228**	**0.0621**	**4.1416**	**1.3354**	**5.4770**	**1.6442**	**1.2286**	**2.8728**	**0.0000**	**6,009.7487**	**6,009.7487**	**1.9437**		**6,058.3405**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	6.4800e-003	0.2188	0.0843	1.0800e-003	0.0384	1.2700e-003	0.0397	0.0111	1.2200e-003	0.0123		115.9265	115.9265	3.9500e-003	0.0168	121.0339
Worker	0.0596	0.0383	0.6534	1.9000e-003	0.2236	1.2000e-003	0.2248	0.0593	1.1100e-003	0.0604		192.1326	192.1326	4.3500e-003	4.2100e-003	193.4955
Total	**0.0661**	**0.2571**	**0.7377**	**2.9800e-003**	**0.2620**	**2.4700e-003**	**0.2644**	**0.0704**	**2.3300e-003**	**0.0727**		**308.0591**	**308.0591**	**8.3000e-003**	**0.0210**	**314.5294**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.4 Building Construction - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4716	13.4438	16.1668	0.0270		0.6133	0.6133		0.5769	0.5769		2,555.6989	2,555.6989	0.6044		2,570.8077
Total	**1.4716**	**13.4438**	**16.1668**	**0.0270**		**0.6133**	**0.6133**		**0.5769**	**0.5769**		**2,555.6989**	**2,555.6989**	**0.6044**		**2,570.8077**

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	0.0000
Vendor	0.0993	3.3548	1.2932	0.0165	0.5891	0.0195	0.6086	0.1696	0.0187	0.1883		1,777.5397	1,777.5397	0.0606	0.2577	1,855.8534
Worker	1.2813	0.8230	14.0475	0.0409	4.8064	0.0258	4.8322	1.2747	0.0238	1.2984		4,130.8518	4,130.8518	0.0934	0.0905	4,160.1523
Total	**1.3806**	**4.1778**	**15.3407**	**0.0574**	**5.3955**	**0.0453**	**5.4408**	**1.4443**	**0.0424**	**1.4867**		**5,908.3915**	**5,908.3915**	**0.1541**	**0.3482**	**6,016.0057**

JPI Fontanta Apartments - South Coast AQMD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.4 Building Construction - 2024

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4716	13.4438	16.1668	0.0270		0.6133	0.6133		0.5769	0.5769	0.0000	2,555.6989	2,555.6989	0.6044		2,570.8077
Total	**1.4716**	**13.4438**	**16.1668**	**0.0270**		**0.6133**	**0.6133**		**0.5769**	**0.5769**	**0.0000**	**2,555.6989**	**2,555.6989**	**0.6044**		**2,570.8077**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0993	3.3548	1.2932	0.0165	0.5891	0.0195	0.6086	0.1696	0.0187	0.1883		1,777.5397	1,777.5397	0.0606	0.2577	1,855.8534
Worker	1.2813	0.8230	14.0475	0.0409	4.8064	0.0258	4.8322	1.2747	0.0238	1.2984		4,130.8518	4,130.8518	0.0934	0.0905	4,160.1523
Total	**1.3806**	**4.1778**	**15.3407**	**0.0574**	**5.3955**	**0.0453**	**5.4408**	**1.4443**	**0.0424**	**1.4867**		**5,908.3915**	**5,908.3915**	**0.1541**	**0.3482**	**6,016.0057**

JPI Fontanta Apartments - South Coast AQMD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.4 Building Construction - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.4744	2,556.4744	0.6010		2,571.4981
Total	**1.3674**	**12.4697**	**16.0847**	**0.0270**		**0.5276**	**0.5276**		**0.4963**	**0.4963**		**2,556.4744**	**2,556.4744**	**0.6010**		**2,571.4981**

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	0.0000
Vendor	0.0971	3.3389	1.2737	0.0162	0.5891	0.0196	0.6087	0.1696	0.0187	0.1883		1,745.1412	1,745.1412	0.0608	0.2533	1,822.1463
Worker	1.1996	0.7398	13.0862	0.0395	4.8064	0.0246	4.8310	1.2747	0.0226	1.2973		3,990.0595	3,990.0595	0.0843	0.0846	4,017.3828
Total	**1.2968**	**4.0787**	**14.3599**	**0.0557**	**5.3955**	**0.0441**	**5.4396**	**1.4443**	**0.0413**	**1.4856**		**5,735.2006**	**5,735.2006**	**0.1451**	**0.3379**	**5,839.5291**

JPI Fontanta Apartments - South Coast AQMD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.4 Building Construction - 2025

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963	0.0000	2,556.4744	2,556.4744	0.6010		2,571.4981
Total	**1.3674**	**12.4697**	**16.0847**	**0.0270**		**0.5276**	**0.5276**		**0.4963**	**0.4963**	**0.0000**	**2,556.4744**	**2,556.4744**	**0.6010**		**2,571.4981**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0971	3.3389	1.2737	0.0162	0.5891	0.0196	0.6087	0.1696	0.0187	0.1883		1,745.1412	1,745.1412	0.0608	0.2533	1,822.1463
Worker	1.1996	0.7398	13.0862	0.0395	4.8064	0.0246	4.8310	1.2747	0.0226	1.2973		3,990.0595	3,990.0595	0.0843	0.0846	4,017.3828
Total	**1.2968**	**4.0787**	**14.3599**	**0.0557**	**5.3955**	**0.0441**	**5.4396**	**1.4443**	**0.0413**	**1.4856**		**5,735.2006**	**5,735.2006**	**0.1451**	**0.3379**	**5,839.5291**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.4 Building Construction - 2026

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.4744	2,556.4744	0.6010		2,571.4981
Total	**1.3674**	**12.4697**	**16.0847**	**0.0270**		**0.5276**	**0.5276**		**0.4963**	**0.4963**		**2,556.4744**	**2,556.4744**	**0.6010**		**2,571.4981**

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	0.0000
Vendor	0.0952	3.3153	1.2583	0.0159	0.5891	0.0195	0.6086	0.1696	0.0187	0.1883		1,712.4123	1,712.4123	0.0609	0.2488	1,788.0776
Worker	1.1293	0.6719	12.2873	0.0383	4.8064	0.0233	4.8297	1.2747	0.0214	1.2961		3,867.5429	3,867.5429	0.0766	0.0798	3,893.2423
Total	**1.2245**	**3.9872**	**13.5456**	**0.0541**	**5.3955**	**0.0428**	**5.4383**	**1.4443**	**0.0401**	**1.4844**		**5,579.9552**	**5,579.9552**	**0.1375**	**0.3286**	**5,681.3199**

JPI Fontanta Apartments - South Coast AQMD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.4 Building Construction - 2026

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963	0.0000	2,556.4744	2,556.4744	0.6010		2,571.4981
Total	**1.3674**	**12.4697**	**16.0847**	**0.0270**		**0.5276**	**0.5276**		**0.4963**	**0.4963**	**0.0000**	**2,556.4744**	**2,556.4744**	**0.6010**		**2,571.4981**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0952	3.3153	1.2583	0.0159	0.5891	0.0195	0.6086	0.1696	0.0187	0.1883		1,712.4123	1,712.4123	0.0609	0.2488	1,788.0776
Worker	1.1293	0.6719	12.2873	0.0383	4.8064	0.0233	4.8297	1.2747	0.0214	1.2961		3,867.5429	3,867.5429	0.0766	0.0798	3,893.2423
Total	**1.2245**	**3.9872**	**13.5456**	**0.0541**	**5.3955**	**0.0428**	**5.4383**	**1.4443**	**0.0401**	**1.4844**		**5,579.9552**	**5,579.9552**	**0.1375**	**0.3286**	**5,681.3199**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.4 Building Construction - 2027

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.4744	2,556.4744	0.6010		2,571.4981
Total	**1.3674**	**12.4697**	**16.0847**	**0.0270**		**0.5276**	**0.5276**		**0.4963**	**0.4963**		**2,556.4744**	**2,556.4744**	**0.6010**		**2,571.4981**

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	0.0000
Vendor	0.0935	3.2911	1.2454	0.0155	0.5891	0.0194	0.6085	0.1696	0.0186	0.1882		1,678.2804	1,678.2804	0.0608	0.2441	1,752.5476
Worker	1.0651	0.6147	11.6076	0.0372	4.8064	0.0219	4.8283	1.2747	0.0201	1.2948		3,758.7565	3,758.7565	0.0700	0.0758	3,783.0941
Total	**1.1586**	**3.9057**	**12.8531**	**0.0527**	**5.3955**	**0.0413**	**5.4368**	**1.4443**	**0.0387**	**1.4830**		**5,437.0369**	**5,437.0369**	**0.1308**	**0.3199**	**5,535.6417**

JPI Fontanta Apartments - South Coast AQMD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.4 Building Construction - 2027

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963	0.0000	2,556.4744	2,556.4744	0.6010		2,571.4981
Total	**1.3674**	**12.4697**	**16.0847**	**0.0270**		**0.5276**	**0.5276**		**0.4963**	**0.4963**	**0.0000**	**2,556.4744**	**2,556.4744**	**0.6010**		**2,571.4981**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0935	3.2911	1.2454	0.0155	0.5891	0.0194	0.6085	0.1696	0.0186	0.1882		1,678.2804	1,678.2804	0.0608	0.2441	1,752.5476
Worker	1.0651	0.6147	11.6076	0.0372	4.8064	0.0219	4.8283	1.2747	0.0201	1.2948		3,758.7565	3,758.7565	0.0700	0.0758	3,783.0941
Total	**1.1586**	**3.9057**	**12.8531**	**0.0527**	**5.3955**	**0.0413**	**5.4368**	**1.4443**	**0.0387**	**1.4830**		**5,437.0369**	**5,437.0369**	**0.1308**	**0.3199**	**5,535.6417**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.5 Architectural Coating - 2026

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	22.7232					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1709	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515		281.4481	281.4481	0.0154		281.8319
Total	**22.8940**	**1.1455**	**1.8091**	**2.9700e-003**		**0.0515**	**0.0515**		**0.0515**	**0.0515**		**281.4481**	**281.4481**	**0.0154**		**281.8319**

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	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
Worker	0.2259	0.1344	2.4575	7.6500e-003	0.9613	4.6600e-003	0.9659	0.2549	4.2900e-003	0.2592		773.5086	773.5086	0.0153	0.0160	778.6485
Total	**0.2259**	**0.1344**	**2.4575**	**7.6500e-003**	**0.9613**	**4.6600e-003**	**0.9659**	**0.2549**	**4.2900e-003**	**0.2592**		**773.5086**	**773.5086**	**0.0153**	**0.0160**	**778.6485**

JPI Fontanta Apartments - South Coast AQMD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.5 Architectural Coating - 2026

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	22.7232					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1709	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515	0.0000	281.4481	281.4481	0.0154		281.8319
Total	**22.8940**	**1.1455**	**1.8091**	**2.9700e-003**		**0.0515**	**0.0515**		**0.0515**	**0.0515**	**0.0000**	**281.4481**	**281.4481**	**0.0154**		**281.8319**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
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
Worker	0.2259	0.1344	2.4575	7.6500e-003	0.9613	4.6600e-003	0.9659	0.2549	4.2900e-003	0.2592		773.5086	773.5086	0.0153	0.0160	778.6485
Total	**0.2259**	**0.1344**	**2.4575**	**7.6500e-003**	**0.9613**	**4.6600e-003**	**0.9659**	**0.2549**	**4.2900e-003**	**0.2592**		**773.5086**	**773.5086**	**0.0153**	**0.0160**	**778.6485**

JPI Fontanta Apartments - South Coast AQMD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.6 Paving - 2027

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	0.9152	8.5816	14.5780	0.0228		0.4185	0.4185		0.3850	0.3850		2,206.7452	2,206.7452	0.7137		2,224.5878
Paving	0.1730					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.0881**	**8.5816**	**14.5780**	**0.0228**		**0.4185**	**0.4185**		**0.3850**	**0.3850**		**2,206.7452**	**2,206.7452**	**0.7137**		**2,224.5878**

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	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
Worker	0.0396	0.0229	0.4319	1.3800e-003	0.1788	8.1000e-004	0.1797	0.0474	7.5000e-004	0.0482		139.8607	139.8607	2.6000e-003	2.8200e-003	140.7663
Total	**0.0396**	**0.0229**	**0.4319**	**1.3800e-003**	**0.1788**	**8.1000e-004**	**0.1797**	**0.0474**	**7.5000e-004**	**0.0482**		**139.8607**	**139.8607**	**2.6000e-003**	**2.8200e-003**	**140.7663**

JPI Fontanta Apartments - South Coast AQMD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.6 Paving - 2027

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	0.9152	8.5816	14.5780	0.0228		0.4185	0.4185		0.3850	0.3850	0.0000	2,206.7452	2,206.7452	0.7137		2,224.5878
Paving	0.1730					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.0881**	**8.5816**	**14.5780**	**0.0228**		**0.4185**	**0.4185**		**0.3850**	**0.3850**	**0.0000**	**2,206.7452**	**2,206.7452**	**0.7137**		**2,224.5878**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
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
Worker	0.0396	0.0229	0.4319	1.3800e-003	0.1788	8.1000e-004	0.1797	0.0474	7.5000e-004	0.0482		139.8607	139.8607	2.6000e-003	2.8200e-003	140.7663
Total	**0.0396**	**0.0229**	**0.4319**	**1.3800e-003**	**0.1788**	**8.1000e-004**	**0.1797**	**0.0474**	**7.5000e-004**	**0.0482**		**139.8607**	**139.8607**	**2.6000e-003**	**2.8200e-003**	**140.7663**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	5.6929	5.6698	55.7221	0.1284	14.7241	0.0885	14.8125	3.9239	0.0823	4.0062		13,596.2527	13,596.2527	0.8019	0.5385	13,776.7664
Unmitigated	5.6929	5.6698	55.7221	0.1284	14.7241	0.0885	14.8125	3.9239	0.0823	4.0062		13,596.2527	13,596.2527	0.8019	0.5385	13,776.7664

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Mid Rise	1,983.98	1,791.70	1490.17	6,315,144	6,315,144
General Office Building	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Strip Mall	186.00	176.44	85.76	314,983	314,983
Total	2,169.98	1,968.14	1,575.93	6,630,127	6,630,127

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Apartments Mid Rise	14.55	5.53	8.50	40.20	19.20	40.60	86	11	3
General Office Building	16.60	8.40	6.90	33.00	48.00	19.00	77	19	4
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Strip Mall	15.00	8.40	6.90	16.60	64.40	19.00	45	40	15

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Mid Rise	0.540015	0.063309	0.186717	0.127205	0.023780	0.006682	0.012512	0.009167	0.000820	0.000485	0.025014	0.000756	0.003538
General Office Building	0.540015	0.063309	0.186717	0.127205	0.023780	0.006682	0.012512	0.009167	0.000820	0.000485	0.025014	0.000756	0.003538
Parking Lot	0.540015	0.063309	0.186717	0.127205	0.023780	0.006682	0.012512	0.009167	0.000820	0.000485	0.025014	0.000756	0.003538
Strip Mall	0.540015	0.063309	0.186717	0.127205	0.023780	0.006682	0.012512	0.009167	0.000820	0.000485	0.025014	0.000756	0.003538

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Percent of Electricity Use Generated with Renewable 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	1.6900e-003	0.0154	0.0129	9.0000e-005		1.1700e-003	1.1700e-003		1.1700e-003	1.1700e-003		18.4801	18.4801	3.5000e-004	3.4000e-004	18.5899
NaturalGas Unmitigated	1.6900e-003	0.0154	0.0129	9.0000e-005		1.1700e-003	1.1700e-003		1.1700e-003	1.1700e-003		18.4801	18.4801	3.5000e-004	3.4000e-004	18.5899

JPI Fontanta Apartments - South Coast AQMD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

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					
Apartments Mid Rise	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
General Office Building	132.971	1.4300e-003	0.0130	0.0110	8.0000e-005		9.9000e-004	9.9000e-004		9.9000e-004	9.9000e-004		15.6437	15.6437	3.0000e-004	2.9000e-004	15.7366
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Strip Mall	24.1096	2.6000e-004	2.3600e-003	1.9900e-003	1.0000e-005		1.8000e-004	1.8000e-004		1.8000e-004	1.8000e-004		2.8364	2.8364	5.0000e-005	5.0000e-005	2.8533
Total		**1.6900e-003**	**0.0154**	**0.0129**	**9.0000e-005**		**1.1700e-003**	**1.1700e-003**		**1.1700e-003**	**1.1700e-003**		**18.4801**	**18.4801**	**3.5000e-004**	**3.4000e-004**	**18.5899**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

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					
Apartments Mid Rise	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
General Office Building	0.132971	1.4300e-003	0.0130	0.0110	8.0000e-005		9.9000e-004	9.9000e-004		9.9000e-004	9.9000e-004		15.6437	15.6437	3.0000e-004	2.9000e-004	15.7366
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Strip Mall	0.0241096	2.6000e-004	2.3600e-003	1.9900e-003	1.0000e-005		1.8000e-004	1.8000e-004		1.8000e-004	1.8000e-004		2.8364	2.8364	5.0000e-005	5.0000e-005	2.8533
Total		**1.6900e-003**	**0.0154**	**0.0129**	**9.0000e-005**		**1.1700e-003**	**1.1700e-003**		**1.1700e-003**	**1.1700e-003**		**18.4801**	**18.4801**	**3.5000e-004**	**3.4000e-004**	**18.5899**

6.0 Area Detail

6.1 Mitigation Measures Area

JPI Fontanta Apartments - South Coast AQMD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	11.7347	6.5772	38.7085	0.0412		0.6983	0.6983		0.6983	0.6983	0.0000	7,931.0627	7,931.0627	0.2133	0.1442	7,979.3700
Unmitigated	11.7347	6.5772	38.7085	0.0412		0.6983	0.6983		0.6983	0.6983	0.0000	7,931.0627	7,931.0627	0.2133	0.1442	7,979.3700

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.8155					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	9.1105					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.7211	6.1617	2.6220	0.0393		0.4982	0.4982		0.4982	0.4982	0.0000	7,866.0000	7,866.0000	0.1508	0.1442	7,912.7437
Landscaping	1.0877	0.4155	36.0865	1.9100e-003		0.2001	0.2001		0.2001	0.2001		65.0627	65.0627	0.0625		66.6263
Total	**11.7347**	**6.5772**	**38.7085**	**0.0412**		**0.6983**	**0.6983**		**0.6983**	**0.6983**	**0.0000**	**7,931.0627**	**7,931.0627**	**0.2133**	**0.1442**	**7,979.3700**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.8155					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	9.1105					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.7211	6.1617	2.6220	0.0393		0.4982	0.4982		0.4982	0.4982	0.0000	7,866.0000	7,866.0000	0.1508	0.1442	7,912.7437
Landscaping	1.0877	0.4155	36.0865	1.9100e-003		0.2001	0.2001		0.2001	0.2001		65.0627	65.0627	0.0625		66.6263
Total	**11.7347**	**6.5772**	**38.7085**	**0.0412**		**0.6983**	**0.6983**		**0.6983**	**0.6983**	**0.0000**	**7,931.0627**	**7,931.0627**	**0.2133**	**0.1442**	**7,979.3700**

7.0 Water Detail

7.1 Mitigation Measures Water

Install Low Flow Bathroom Faucet

Install Low Flow Kitchen Faucet

Install Low Flow Toilet

Install Low Flow Shower

Use Water Efficient Irrigation System

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

8.0 Waste Detail

8.1 Mitigation Measures Waste

Institute Recycling and Composting Services

9.0 Operational Offroad

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

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

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

Boilers

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

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

JPI Fontanta Apartments - South Coast AQMD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

JPI Fontanta Apartments

South Coast AQMD Air District, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	14.15	1000sqft	0.32	14,150.00	0
Parking Lot	646.00	Space	5.81	258,400.00	0
Apartments Mid Rise	437.00	Dwelling Unit	11.50	437,352.00	1250
Strip Mall	4.00	1000sqft	0.09	4,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	31
Climate Zone	10			**Operational Year**	2027
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	390.98	**CH4 Intensity (lb/MWhr)**	0.033	**N2O Intensity (lb/MWhr)**	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics - Operational year 2027.

Land Use - Residential SF updated based on Site Plan.

Construction Phase - Construction schedule information provided by the project applicant.

Trips and VMT - Water trucks were added as vendor trucks during the site preparation and grading phases.

Grading - CalEEMod defaults.

Architectural Coating - CalEEMod defaults.

Vehicle Trips - Based on Transportation analysis and VMT memorandum.

Vehicle Emission Factors - CalEEMod defaults.

Vehicle Emission Factors - CalEEMod defaults.

JPI Fontanta Apartments - South Coast AQMD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Vehicle Emission Factors - CalEEMod defaults.

Woodstoves - in complinace with SCAQMD rules no wood stoves and only gas fireplaces.

Area Coating - CalEEMod defaults.

Energy Use - Residential energy use was modfied to relect electricy only design.

Water And Wastewater - CalEEmod defaults.

Solid Waste - CalEEmod defaults.

Construction Off-road Equipment Mitigation - Compliacne with SCAQMD Rule 403.

Mobile Land Use Mitigation - Not applied.

Energy Mitigation - On-site Renewable energy reduction based on information provided by the project applicant.

Water Mitigation - Indoor/Outdoor water use reduction based on information provided by the project applicant.

Waste Mitigation - Solid waste reduction based on information provided by the project applicant and compliance with San Bernadino County Regional GHG reduction plan

Fleet Mix - CalEEMod defaults.

Table Name	Column Name	Default Value	New Value
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstructionPhase	NumDays	20.00	131.00
tblConstructionPhase	NumDays	300.00	571.00
tblConstructionPhase	NumDays	30.00	33.00
tblConstructionPhase	NumDays	20.00	88.00
tblConstructionPhase	NumDays	10.00	30.00
tblEnergyUse	NT24E	3,054.10	3,525.70
tblEnergyUse	NT24NG	6,030.00	0.00
tblEnergyUse	T24E	164.47	3,234.18
tblEnergyUse	T24NG	8,352.17	0.00
tblFireplaces	NumberWood	21.85	0.00
tblLandUse	LandUseSquareFeet	437,000.00	437,352.00
tblTripsAndVMT	VendorTripNumber	0.00	6.00
tblTripsAndVMT	VendorTripNumber	0.00	6.00
tblTripsAndVMT	WorkerTripNumber	429.00	430.00

JPI Fontanta Apartments - South Coast AQMD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblTripsAndVMT	WorkerTripNumber	15.00	16.00
tblVehicleEF	LDA	0.51	0.51
tblVehicleEF	LDA	1.72	1.74
tblVehicleEF	LDA	227.65	238.37
tblVehicleEF	LDA	45.41	47.57
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.13	0.13
tblVehicleEF	LDA	1.3160e-003	1.3300e-003
tblVehicleEF	LDA	1.4910e-003	1.5070e-003
tblVehicleEF	LDA	1.2120e-003	1.2240e-003
tblVehicleEF	LDA	1.3710e-003	1.3850e-003
tblVehicleEF	LDA	0.04	0.04
tblVehicleEF	LDA	0.07	0.08
tblVehicleEF	LDA	0.04	0.04
tblVehicleEF	LDA	5.5130e-003	5.5260e-003
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.14	0.14
tblVehicleEF	LDA	0.04	0.04
tblVehicleEF	LDA	0.07	0.08
tblVehicleEF	LDA	0.04	0.04
tblVehicleEF	LDA	8.0090e-003	8.0280e-003
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.15	0.15
tblVehicleEF	LDA	0.57	0.58
tblVehicleEF	LDA	1.48	1.49
tblVehicleEF	LDA	239.43	250.71
tblVehicleEF	LDA	44.97	47.11
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.12	0.12

JPI Fontanta Apartments - South Coast AQMD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblVehicleEF	LDA	1.3160e-003	1.3300e-003
tblVehicleEF	LDA	1.4910e-003	1.5070e-003
tblVehicleEF	LDA	1.2120e-003	1.2240e-003
tblVehicleEF	LDA	1.3710e-003	1.3850e-003
tblVehicleEF	LDA	0.06	0.06
tblVehicleEF	LDA	0.08	0.08
tblVehicleEF	LDA	0.05	0.05
tblVehicleEF	LDA	5.9040e-003	5.9180e-003
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.12	0.13
tblVehicleEF	LDA	0.06	0.06
tblVehicleEF	LDA	0.08	0.08
tblVehicleEF	LDA	0.05	0.05
tblVehicleEF	LDA	8.5800e-003	8.6000e-003
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.14	0.14
tblVehicleEF	LDA	0.49	0.49
tblVehicleEF	LDA	1.77	1.79
tblVehicleEF	LDA	223.84	234.38
tblVehicleEF	LDA	45.50	47.66
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.14	0.14
tblVehicleEF	LDA	1.3160e-003	1.3300e-003
tblVehicleEF	LDA	1.4910e-003	1.5070e-003
tblVehicleEF	LDA	1.2120e-003	1.2240e-003
tblVehicleEF	LDA	1.3710e-003	1.3850e-003
tblVehicleEF	LDA	0.04	0.04
tblVehicleEF	LDA	0.08	0.08
tblVehicleEF	LDA	0.03	0.03

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblVehicleEF	LDA	5.3970e-003	5.4100e-003
tblVehicleEF	LDA	0.03	0.03
tblVehicleEF	LDA	0.14	0.14
tblVehicleEF	LDA	0.04	0.04
tblVehicleEF	LDA	0.08	0.08
tblVehicleEF	LDA	0.03	0.03
tblVehicleEF	LDA	7.8400e-003	7.8590e-003
tblVehicleEF	LDA	0.03	0.03
tblVehicleEF	LDA	0.16	0.16
tblVehicleEF	LDT1	0.86	0.86
tblVehicleEF	LDT1	1.86	1.88
tblVehicleEF	LDT1	273.63	286.62
tblVehicleEF	LDT1	54.98	57.59
tblVehicleEF	LDT1	0.06	0.06
tblVehicleEF	LDT1	0.18	0.18
tblVehicleEF	LDT1	1.7280e-003	1.7460e-003
tblVehicleEF	LDT1	1.8800e-003	1.9000e-003
tblVehicleEF	LDT1	1.5890e-003	1.6060e-003
tblVehicleEF	LDT1	1.7290e-003	1.7470e-003
tblVehicleEF	LDT1	0.09	0.09
tblVehicleEF	LDT1	0.14	0.14
tblVehicleEF	LDT1	0.08	0.08
tblVehicleEF	LDT1	0.02	0.02
tblVehicleEF	LDT1	0.07	0.07
tblVehicleEF	LDT1	0.21	0.21
tblVehicleEF	LDT1	0.09	0.09
tblVehicleEF	LDT1	0.14	0.14
tblVehicleEF	LDT1	0.08	0.08
tblVehicleEF	LDT1	0.02	0.02

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblVehicleEF	LDT1	0.07	0.07
tblVehicleEF	LDT1	0.23	0.23
tblVehicleEF	LDT1	0.95	0.96
tblVehicleEF	LDT1	1.60	1.62
tblVehicleEF	LDT1	285.56	299.12
tblVehicleEF	LDT1	54.49	57.07
tblVehicleEF	LDT1	0.05	0.05
tblVehicleEF	LDT1	0.17	0.17
tblVehicleEF	LDT1	1.7280e-003	1.7460e-003
tblVehicleEF	LDT1	1.8800e-003	1.9000e-003
tblVehicleEF	LDT1	1.5890e-003	1.6060e-003
tblVehicleEF	LDT1	1.7290e-003	1.7470e-003
tblVehicleEF	LDT1	0.14	0.15
tblVehicleEF	LDT1	0.15	0.15
tblVehicleEF	LDT1	0.11	0.11
tblVehicleEF	LDT1	0.02	0.02
tblVehicleEF	LDT1	0.06	0.06
tblVehicleEF	LDT1	0.19	0.19
tblVehicleEF	LDT1	0.14	0.15
tblVehicleEF	LDT1	0.15	0.15
tblVehicleEF	LDT1	0.11	0.11
tblVehicleEF	LDT1	0.02	0.02
tblVehicleEF	LDT1	0.06	0.06
tblVehicleEF	LDT1	0.21	0.21
tblVehicleEF	LDT1	0.82	0.83
tblVehicleEF	LDT1	1.92	1.94
tblVehicleEF	LDT1	269.61	282.42
tblVehicleEF	LDT1	55.09	57.70
tblVehicleEF	LDT1	0.06	0.06

JPI Fontanta Apartments - South Coast AQMD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblVehicleEF	LDT1	0.18	0.18
tblVehicleEF	LDT1	1.7280e-003	1.7460e-003
tblVehicleEF	LDT1	1.8800e-003	1.9000e-003
tblVehicleEF	LDT1	1.5890e-003	1.6060e-003
tblVehicleEF	LDT1	1.7290e-003	1.7470e-003
tblVehicleEF	LDT1	0.09	0.09
tblVehicleEF	LDT1	0.15	0.15
tblVehicleEF	LDT1	0.07	0.07
tblVehicleEF	LDT1	0.02	0.02
tblVehicleEF	LDT1	0.08	0.08
tblVehicleEF	LDT1	0.22	0.22
tblVehicleEF	LDT1	0.09	0.09
tblVehicleEF	LDT1	0.15	0.15
tblVehicleEF	LDT1	0.07	0.07
tblVehicleEF	LDT1	0.02	0.02
tblVehicleEF	LDT1	0.08	0.08
tblVehicleEF	LDT1	0.24	0.24
tblVehicleEF	LDT2	0.70	0.71
tblVehicleEF	LDT2	2.21	2.24
tblVehicleEF	LDT2	282.37	295.68
tblVehicleEF	LDT2	57.07	59.79
tblVehicleEF	LDT2	0.05	0.05
tblVehicleEF	LDT2	0.18	0.18
tblVehicleEF	LDT2	1.4390e-003	1.4540e-003
tblVehicleEF	LDT2	1.5540e-003	1.5700e-003
tblVehicleEF	LDT2	1.3250e-003	1.3380e-003
tblVehicleEF	LDT2	1.4280e-003	1.4430e-003
tblVehicleEF	LDT2	0.06	0.06
tblVehicleEF	LDT2	0.10	0.10

JPI Fontanta Apartments - South Coast AQMD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblVehicleEF	LDT2	0.06	0.06
tblVehicleEF	LDT2	0.01	0.01
tblVehicleEF	LDT2	0.05	0.05
tblVehicleEF	LDT2	0.20	0.20
tblVehicleEF	LDT2	0.06	0.06
tblVehicleEF	LDT2	0.10	0.10
tblVehicleEF	LDT2	0.06	0.06
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.05	0.05
tblVehicleEF	LDT2	0.22	0.22
tblVehicleEF	LDT2	0.78	0.79
tblVehicleEF	LDT2	1.90	1.92
tblVehicleEF	LDT2	293.62	307.46
tblVehicleEF	LDT2	56.50	59.18
tblVehicleEF	LDT2	0.04	0.04
tblVehicleEF	LDT2	0.17	0.17
tblVehicleEF	LDT2	1.4390e-003	1.4540e-003
tblVehicleEF	LDT2	1.5540e-003	1.5700e-003
tblVehicleEF	LDT2	1.3250e-003	1.3380e-003
tblVehicleEF	LDT2	1.4280e-003	1.4430e-003
tblVehicleEF	LDT2	0.10	0.10
tblVehicleEF	LDT2	0.10	0.10
tblVehicleEF	LDT2	0.09	0.09
tblVehicleEF	LDT2	0.01	0.01
tblVehicleEF	LDT2	0.04	0.04
tblVehicleEF	LDT2	0.18	0.18
tblVehicleEF	LDT2	0.10	0.10
tblVehicleEF	LDT2	0.10	0.10
tblVehicleEF	LDT2	0.09	0.09

JPI Fontanta Apartments - South Coast AQMD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.04	0.04
tblVehicleEF	LDT2	0.20	0.20
tblVehicleEF	LDT2	0.68	0.68
tblVehicleEF	LDT2	2.28	2.30
tblVehicleEF	LDT2	278.61	291.74
tblVehicleEF	LDT2	57.20	59.91
tblVehicleEF	LDT2	0.04	0.04
tblVehicleEF	LDT2	0.19	0.19
tblVehicleEF	LDT2	1.4390e-003	1.4540e-003
tblVehicleEF	LDT2	1.5540e-003	1.5700e-003
tblVehicleEF	LDT2	1.3250e-003	1.3380e-003
tblVehicleEF	LDT2	1.4280e-003	1.4430e-003
tblVehicleEF	LDT2	0.06	0.06
tblVehicleEF	LDT2	0.10	0.10
tblVehicleEF	LDT2	0.06	0.06
tblVehicleEF	LDT2	0.01	0.01
tblVehicleEF	LDT2	0.05	0.05
tblVehicleEF	LDT2	0.21	0.21
tblVehicleEF	LDT2	0.06	0.06
tblVehicleEF	LDT2	0.10	0.10
tblVehicleEF	LDT2	0.06	0.06
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.05	0.05
tblVehicleEF	LDT2	0.23	0.23
tblVehicleEF	LHD2	3.0980e-003	3.0970e-003
tblVehicleEF	MDV	0.75	0.75
tblVehicleEF	MDV	2.37	2.39
tblVehicleEF	MDV	348.31	364.40

JPI Fontanta Apartments - South Coast AQMD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblVehicleEF	MDV	69.36	72.66
tblVehicleEF	MDV	0.05	0.05
tblVehicleEF	MDV	0.21	0.21
tblVehicleEF	MDV	1.4620e-003	1.4770e-003
tblVehicleEF	MDV	1.5580e-003	1.5750e-003
tblVehicleEF	MDV	1.3480e-003	1.3610e-003
tblVehicleEF	MDV	1.4330e-003	1.4480e-003
tblVehicleEF	MDV	0.08	0.08
tblVehicleEF	MDV	0.11	0.11
tblVehicleEF	MDV	0.08	0.08
tblVehicleEF	MDV	0.01	0.01
tblVehicleEF	MDV	0.05	0.05
tblVehicleEF	MDV	0.24	0.24
tblVehicleEF	MDV	0.08	0.08
tblVehicleEF	MDV	0.11	0.11
tblVehicleEF	MDV	0.08	0.08
tblVehicleEF	MDV	0.02	0.02
tblVehicleEF	MDV	0.05	0.05
tblVehicleEF	MDV	0.26	0.26
tblVehicleEF	MDV	0.83	0.84
tblVehicleEF	MDV	2.03	2.05
tblVehicleEF	MDV	360.06	376.72
tblVehicleEF	MDV	68.74	72.00
tblVehicleEF	MDV	0.05	0.05
tblVehicleEF	MDV	0.20	0.20
tblVehicleEF	MDV	1.4620e-003	1.4770e-003
tblVehicleEF	MDV	1.5580e-003	1.5750e-003
tblVehicleEF	MDV	1.3480e-003	1.3610e-003
tblVehicleEF	MDV	1.4330e-003	1.4480e-003

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblVehicleEF	MDV	0.12	0.13
tblVehicleEF	MDV	0.12	0.12
tblVehicleEF	MDV	0.12	0.12
tblVehicleEF	MDV	0.01	0.01
tblVehicleEF	MDV	0.05	0.05
tblVehicleEF	MDV	0.21	0.21
tblVehicleEF	MDV	0.12	0.13
tblVehicleEF	MDV	0.12	0.12
tblVehicleEF	MDV	0.12	0.12
tblVehicleEF	MDV	0.02	0.02
tblVehicleEF	MDV	0.05	0.05
tblVehicleEF	MDV	0.23	0.23
tblVehicleEF	MDV	0.72	0.73
tblVehicleEF	MDV	2.44	2.47
tblVehicleEF	MDV	344.42	360.33
tblVehicleEF	MDV	69.49	72.79
tblVehicleEF	MDV	0.05	0.05
tblVehicleEF	MDV	0.22	0.22
tblVehicleEF	MDV	1.4620e-003	1.4770e-003
tblVehicleEF	MDV	1.5580e-003	1.5750e-003
tblVehicleEF	MDV	1.3480e-003	1.3610e-003
tblVehicleEF	MDV	1.4330e-003	1.4480e-003
tblVehicleEF	MDV	0.07	0.07
tblVehicleEF	MDV	0.12	0.12
tblVehicleEF	MDV	0.08	0.08
tblVehicleEF	MDV	0.01	0.01
tblVehicleEF	MDV	0.06	0.06
tblVehicleEF	MDV	0.25	0.25
tblVehicleEF	MDV	0.07	0.07

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblVehicleEF	MDV	0.12	0.12
tblVehicleEF	MDV	0.08	0.08
tblVehicleEF	MDV	0.02	0.02
tblVehicleEF	MDV	0.06	0.06
tblVehicleEF	MDV	0.27	0.27
tblVehicleEF	MHD	9.6000e-005	9.5000e-005
tblVehicleEF	MHD	9.6000e-005	9.5000e-005
tblVehicleEF	MHD	9.6000e-005	9.5000e-005
tblVehicleEF	OBUS	9.4500e-004	9.4400e-004
tblVehicleEF	OBUS	9.4500e-004	9.4400e-004
tblVehicleTrips	CW_TL	16.60	15.00
tblVehicleTrips	HO_TL	8.70	8.50
tblVehicleTrips	HS_TL	5.90	5.53
tblVehicleTrips	HW_TL	14.70	14.55
tblVehicleTrips	ST_TR	4.91	4.10
tblVehicleTrips	ST_TR	2.21	0.00
tblVehicleTrips	ST_TR	42.04	44.11
tblVehicleTrips	SU_TR	4.09	3.41
tblVehicleTrips	SU_TR	0.70	0.00
tblVehicleTrips	SU_TR	20.43	21.44
tblVehicleTrips	WD_TR	5.44	4.54
tblVehicleTrips	WD_TR	9.74	0.00
tblVehicleTrips	WD_TR	44.32	46.50
tblWoodstoves	NumberCatalytic	21.85	0.00
tblWoodstoves	NumberNoncatalytic	21.85	0.00

2.0 Emissions Summary

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

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					
2024	3.2874	32.6485	30.2202	0.0820	19.8966	1.3379	21.1283	10.1669	1.2309	11.3001	0.0000	8,227.7977	8,227.7977	1.9520	0.3543	8,352.3769
2025	2.7341	16.7830	29.2558	0.0804	5.3955	0.5718	5.9673	1.4443	0.5377	1.9820	0.0000	8,063.8477	8,063.8477	0.7472	0.3437	8,184.9372
2026	25.7958	17.9763	32.5580	0.0891	6.3568	0.6266	6.9834	1.6992	0.5922	2.2915	0.0000	8,926.0728	8,926.0728	0.7705	0.3509	9,049.9145
2027	3.7247	25.2027	42.8656	0.1017	5.5743	0.9883	6.5626	1.4917	0.9208	2.4126	0.0000	10,117.8350	10,117.8350	1.4492	0.3280	10,251.8194
Maximum	**25.7958**	**32.6485**	**42.8656**	**0.1017**	**19.8966**	**1.3379**	**21.1283**	**10.1669**	**1.2309**	**11.3001**	**0.0000**	**10,117.8350**	**10,117.8350**	**1.9520**	**0.3543**	**10,251.8194**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

2.1 Overall Construction (Maximum Daily Emission)

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					
2024	3.2874	32.6485	30.2202	0.0820	9.0853	1.3379	10.3170	4.6105	1.2309	5.7437	0.0000	8,227.7977	8,227.7977	1.9520	0.3543	8,352.3769
2025	2.7341	16.7830	29.2558	0.0804	5.3955	0.5718	5.9673	1.4443	0.5377	1.9820	0.0000	8,063.8477	8,063.8477	0.7472	0.3437	8,184.9372
2026	25.7958	17.9763	32.5580	0.0891	6.3568	0.6266	6.9834	1.6992	0.5922	2.2915	0.0000	8,926.0728	8,926.0728	0.7705	0.3509	9,049.9145
2027	3.7247	25.2027	42.8656	0.1017	5.5743	0.9883	6.5626	1.4917	0.9208	2.4126	0.0000	10,117.8350	10,117.8350	1.4492	0.3280	10,251.8194
Maximum	**25.7958**	**32.6485**	**42.8656**	**0.1017**	**9.0853**	**1.3379**	**10.3170**	**4.6105**	**1.2309**	**5.7437**	**0.0000**	**10,117.8350**	**10,117.8350**	**1.9520**	**0.3543**	**10,251.8194**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**29.04**	**0.00**	**26.60**	**37.54**	**0.00**	**30.89**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

JPI Fontanta Apartments - South Coast AQMD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

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	11.7347	6.5772	38.7085	0.0412		0.6983	0.6983		0.6983	0.6983	0.0000	7,931.0627	7,931.0627	0.2133	0.1442	7,979.3700
Energy	1.6900e-003	0.0154	0.0129	9.0000e-005		1.1700e-003	1.1700e-003		1.1700e-003	1.1700e-003		18.4801	18.4801	3.5000e-004	3.4000e-004	18.5899
Mobile	5.4752	6.0897	54.0987	0.1225	14.7241	0.0885	14.8126	3.9239	0.0823	4.0062		12,971.1298	12,971.1298	0.8242	0.5587	13,158.2198
Total	**17.2117**	**12.6823**	**92.8201**	**0.1638**	**14.7241**	**0.7880**	**15.5120**	**3.9239**	**0.7818**	**4.7057**	**0.0000**	**20,920.6726**	**20,920.6726**	**1.0378**	**0.7032**	**21,156.1797**

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	11.7347	6.5772	38.7085	0.0412		0.6983	0.6983		0.6983	0.6983	0.0000	7,931.0627	7,931.0627	0.2133	0.1442	7,979.3700
Energy	1.6900e-003	0.0154	0.0129	9.0000e-005		1.1700e-003	1.1700e-003		1.1700e-003	1.1700e-003		18.4801	18.4801	3.5000e-004	3.4000e-004	18.5899
Mobile	5.4752	6.0897	54.0987	0.1225	14.7241	0.0885	14.8126	3.9239	0.0823	4.0062		12,971.1298	12,971.1298	0.8242	0.5587	13,158.2198
Total	**17.2117**	**12.6823**	**92.8201**	**0.1638**	**14.7241**	**0.7880**	**15.5120**	**3.9239**	**0.7818**	**4.7057**	**0.0000**	**20,920.6726**	**20,920.6726**	**1.0378**	**0.7032**	**21,156.1797**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	9/4/2024	10/15/2024	5	30	
2	Grading	Grading	10/16/2024	11/29/2024	5	33	
3	Building Construction	Building Construction	12/2/2024	2/8/2027	5	571	
4	Architectural Coating	Architectural Coating	1/5/2026	7/6/2026	5	131	
5	Paving	Paving	1/7/2027	5/10/2027	5	88	

Acres of Grading (Site Preparation Phase): 45

Acres of Grading (Grading Phase): 99

Acres of Paving: 5.81

Residential Indoor: 885,638; Residential Outdoor: 295,213; Non-Residential Indoor: 27,225; Non-Residential Outdoor: 9,075; Striped Parking Area: 15,504 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading	Excavators	2	8.00	158	0.38
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Scrapers	2	8.00	367	0.48

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Architectural Coating	Air Compressors	1	6.00	78	0.48
Paving	Pavers	2	8.00	130	0.42
Paving	Paving Equipment	2	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Site Preparation	7	18.00	6.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	6.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	430.00	92.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	86.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	16.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.2 Site Preparation - 2024

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					19.6570	0.0000	19.6570	10.1025	0.0000	10.1025			0.0000			0.0000
Off-Road	2.6609	27.1760	18.3356	0.0381		1.2294	1.2294		1.1310	1.1310		3,688.0100	3,688.0100	1.1928		3,717.8294
Total	**2.6609**	**27.1760**	**18.3356**	**0.0381**	**19.6570**	**1.2294**	**20.8864**	**10.1025**	**1.1310**	**11.2335**		**3,688.0100**	**3,688.0100**	**1.1928**		**3,717.8294**

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	0.0000
Vendor	6.1900e-003	0.2297	0.0871	1.0800e-003	0.0384	1.2800e-003	0.0397	0.0111	1.2200e-003	0.0123		116.1396	116.1396	3.9300e-003	0.0169	121.2598
Worker	0.0568	0.0377	0.5324	1.6100e-003	0.2012	1.0800e-003	0.2023	0.0534	9.9000e-004	0.0544		162.8913	162.8913	3.9700e-003	4.0200e-003	164.1873
Total	**0.0630**	**0.2673**	**0.6195**	**2.6900e-003**	**0.2396**	**2.3600e-003**	**0.2420**	**0.0644**	**2.2100e-003**	**0.0666**		**279.0309**	**279.0309**	**7.9000e-003**	**0.0209**	**285.4471**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.2 Site Preparation - 2024

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					8.8457	0.0000	8.8457	4.5461	0.0000	4.5461			0.0000			0.0000
Off-Road	2.6609	27.1760	18.3356	0.0381		1.2294	1.2294		1.1310	1.1310	0.0000	3,688.0100	3,688.0100	1.1928		3,717.8294
Total	**2.6609**	**27.1760**	**18.3356**	**0.0381**	**8.8457**	**1.2294**	**10.0750**	**4.5461**	**1.1310**	**5.6771**	**0.0000**	**3,688.0100**	**3,688.0100**	**1.1928**		**3,717.8294**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	6.1900e-003	0.2297	0.0871	1.0800e-003	0.0384	1.2800e-003	0.0397	0.0111	1.2200e-003	0.0123		116.1396	116.1396	3.9300e-003	0.0169	121.2598
Worker	0.0568	0.0377	0.5324	1.6100e-003	0.2012	1.0800e-003	0.2023	0.0534	9.9000e-004	0.0544		162.8913	162.8913	3.9700e-003	4.0200e-003	164.1873
Total	**0.0630**	**0.2673**	**0.6195**	**2.6900e-003**	**0.2396**	**2.3600e-003**	**0.2420**	**0.0644**	**2.2100e-003**	**0.0666**		**279.0309**	**279.0309**	**7.9000e-003**	**0.0209**	**285.4471**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.3 Grading - 2024

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					9.2036	0.0000	9.2036	3.6538	0.0000	3.6538			0.0000			0.0000
Off-Road	3.2181	32.3770	27.7228	0.0621		1.3354	1.3354		1.2286	1.2286		6,009.7487	6,009.7487	1.9437		6,058.3405
Total	**3.2181**	**32.3770**	**27.7228**	**0.0621**	**9.2036**	**1.3354**	**10.5390**	**3.6538**	**1.2286**	**4.8823**		**6,009.7487**	**6,009.7487**	**1.9437**		**6,058.3405**

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	0.0000
Vendor	6.1900e-003	0.2297	0.0871	1.0800e-003	0.0384	1.2800e-003	0.0397	0.0111	1.2200e-003	0.0123		116.1396	116.1396	3.9300e-003	0.0169	121.2598
Worker	0.0631	0.0419	0.5916	1.7900e-003	0.2236	1.2000e-003	0.2248	0.0593	1.1100e-003	0.0604		180.9903	180.9903	4.4100e-003	4.4600e-003	182.4304
Total	**0.0693**	**0.2715**	**0.6786**	**2.8700e-003**	**0.2620**	**2.4800e-003**	**0.2645**	**0.0704**	**2.3300e-003**	**0.0727**		**297.1299**	**297.1299**	**8.3400e-003**	**0.0213**	**303.6901**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.3 Grading - 2024

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					4.1416	0.0000	4.1416	1.6442	0.0000	1.6442			0.0000			0.0000
Off-Road	3.2181	32.3770	27.7228	0.0621		1.3354	1.3354		1.2286	1.2286	0.0000	6,009.7487	6,009.7487	1.9437		6,058.3405
Total	**3.2181**	**32.3770**	**27.7228**	**0.0621**	**4.1416**	**1.3354**	**5.4770**	**1.6442**	**1.2286**	**2.8728**	**0.0000**	**6,009.7487**	**6,009.7487**	**1.9437**		**6,058.3405**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	6.1900e-003	0.2297	0.0871	1.0800e-003	0.0384	1.2800e-003	0.0397	0.0111	1.2200e-003	0.0123		116.1396	116.1396	3.9300e-003	0.0169	121.2598
Worker	0.0631	0.0419	0.5916	1.7900e-003	0.2236	1.2000e-003	0.2248	0.0593	1.1100e-003	0.0604		180.9903	180.9903	4.4100e-003	4.4600e-003	182.4304
Total	**0.0693**	**0.2715**	**0.6786**	**2.8700e-003**	**0.2620**	**2.4800e-003**	**0.2645**	**0.0704**	**2.3300e-003**	**0.0727**		**297.1299**	**297.1299**	**8.3400e-003**	**0.0213**	**303.6901**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.4 Building Construction - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4716	13.4438	16.1668	0.0270		0.6133	0.6133		0.5769	0.5769		2,555.6989	2,555.6989	0.6044		2,570.8077
Total	**1.4716**	**13.4438**	**16.1668**	**0.0270**		**0.6133**	**0.6133**		**0.5769**	**0.5769**		**2,555.6989**	**2,555.6989**	**0.6044**		**2,570.8077**

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	0.0000
Vendor	0.0949	3.5212	1.3350	0.0165	0.5891	0.0196	0.6087	0.1696	0.0187	0.1884		1,780.8064	1,780.8064	0.0603	0.2584	1,859.3162
Worker	1.3566	0.8997	12.7184	0.0385	4.8064	0.0258	4.8322	1.2747	0.0238	1.2984		3,891.2924	3,891.2924	0.0948	0.0959	3,922.2531
Total	**1.4515**	**4.4209**	**14.0534**	**0.0550**	**5.3955**	**0.0454**	**5.4409**	**1.4443**	**0.0425**	**1.4868**		**5,672.0988**	**5,672.0988**	**0.1552**	**0.3543**	**5,781.5692**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.4 Building Construction - 2024

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4716	13.4438	16.1668	0.0270		0.6133	0.6133		0.5769	0.5769	0.0000	2,555.6989	2,555.6989	0.6044		2,570.8077
Total	**1.4716**	**13.4438**	**16.1668**	**0.0270**		**0.6133**	**0.6133**		**0.5769**	**0.5769**	**0.0000**	**2,555.6989**	**2,555.6989**	**0.6044**		**2,570.8077**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0949	3.5212	1.3350	0.0165	0.5891	0.0196	0.6087	0.1696	0.0187	0.1884		1,780.8064	1,780.8064	0.0603	0.2584	1,859.3162
Worker	1.3566	0.8997	12.7184	0.0385	4.8064	0.0258	4.8322	1.2747	0.0238	1.2984		3,891.2924	3,891.2924	0.0948	0.0959	3,922.2531
Total	**1.4515**	**4.4209**	**14.0534**	**0.0550**	**5.3955**	**0.0454**	**5.4409**	**1.4443**	**0.0425**	**1.4868**		**5,672.0988**	**5,672.0988**	**0.1552**	**0.3543**	**5,781.5692**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.4 Building Construction - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.4744	2,556.4744	0.6010		2,571.4981
Total	**1.3674**	**12.4697**	**16.0847**	**0.0270**		**0.5276**	**0.5276**		**0.4963**	**0.4963**		**2,556.4744**	**2,556.4744**	**0.6010**		**2,571.4981**

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	0.0000
Vendor	0.0926	3.5048	1.3150	0.0162	0.5891	0.0197	0.6087	0.1696	0.0188	0.1884		1,748.3966	1,748.3966	0.0605	0.2540	1,825.5929
Worker	1.2741	0.8085	11.8561	0.0372	4.8064	0.0246	4.8310	1.2747	0.0226	1.2973		3,758.9767	3,758.9767	0.0857	0.0897	3,787.8462
Total	**1.3667**	**4.3133**	**13.1711**	**0.0534**	**5.3955**	**0.0442**	**5.4397**	**1.4443**	**0.0414**	**1.4857**		**5,507.3733**	**5,507.3733**	**0.1462**	**0.3437**	**5,613.4391**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.4 Building Construction - 2025

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963	0.0000	2,556.4744	2,556.4744	0.6010		2,571.4981
Total	**1.3674**	**12.4697**	**16.0847**	**0.0270**		**0.5276**	**0.5276**		**0.4963**	**0.4963**	**0.0000**	**2,556.4744**	**2,556.4744**	**0.6010**		**2,571.4981**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0926	3.5048	1.3150	0.0162	0.5891	0.0197	0.6087	0.1696	0.0188	0.1884		1,748.3966	1,748.3966	0.0605	0.2540	1,825.5929
Worker	1.2741	0.8085	11.8561	0.0372	4.8064	0.0246	4.8310	1.2747	0.0226	1.2973		3,758.9767	3,758.9767	0.0857	0.0897	3,787.8462
Total	**1.3667**	**4.3133**	**13.1711**	**0.0534**	**5.3955**	**0.0442**	**5.4397**	**1.4443**	**0.0414**	**1.4857**		**5,507.3733**	**5,507.3733**	**0.1462**	**0.3437**	**5,613.4391**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.4 Building Construction - 2026

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.4744	2,556.4744	0.6010		2,571.4981
Total	**1.3674**	**12.4697**	**16.0847**	**0.0270**		**0.5276**	**0.5276**		**0.4963**	**0.4963**		**2,556.4744**	**2,556.4744**	**0.6010**		**2,571.4981**

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	0.0000
Vendor	0.0906	3.4802	1.2991	0.0159	0.5891	0.0196	0.6087	0.1696	0.0187	0.1884		1,715.6487	1,715.6487	0.0606	0.2495	1,791.5006
Worker	1.2032	0.7341	11.1376	0.0361	4.8064	0.0233	4.8297	1.2747	0.0214	1.2961		3,643.7514	3,643.7514	0.0780	0.0846	3,670.9034
Total	**1.2937**	**4.2143**	**12.4367**	**0.0519**	**5.3955**	**0.0429**	**5.4384**	**1.4443**	**0.0402**	**1.4845**		**5,359.4001**	**5,359.4001**	**0.1386**	**0.3340**	**5,462.4039**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.4 Building Construction - 2026

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963	0.0000	2,556.4744	2,556.4744	0.6010		2,571.4981
Total	**1.3674**	**12.4697**	**16.0847**	**0.0270**		**0.5276**	**0.5276**		**0.4963**	**0.4963**	**0.0000**	**2,556.4744**	**2,556.4744**	**0.6010**		**2,571.4981**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0906	3.4802	1.2991	0.0159	0.5891	0.0196	0.6087	0.1696	0.0187	0.1884		1,715.6487	1,715.6487	0.0606	0.2495	1,791.5006
Worker	1.2032	0.7341	11.1376	0.0361	4.8064	0.0233	4.8297	1.2747	0.0214	1.2961		3,643.7514	3,643.7514	0.0780	0.0846	3,670.9034
Total	**1.2937**	**4.2143**	**12.4367**	**0.0519**	**5.3955**	**0.0429**	**5.4384**	**1.4443**	**0.0402**	**1.4845**		**5,359.4001**	**5,359.4001**	**0.1386**	**0.3340**	**5,462.4039**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.4 Building Construction - 2027

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.4744	2,556.4744	0.6010		2,571.4981
Total	**1.3674**	**12.4697**	**16.0847**	**0.0270**		**0.5276**	**0.5276**		**0.4963**	**0.4963**		**2,556.4744**	**2,556.4744**	**0.6010**		**2,571.4981**

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	0.0000
Vendor	0.0888	3.4551	1.2857	0.0156	0.5891	0.0195	0.6086	0.1696	0.0187	0.1883		1,681.4941	1,681.4941	0.0605	0.2448	1,755.9439
Worker	1.1380	0.6713	10.5257	0.0350	4.8064	0.0219	4.8283	1.2747	0.0201	1.2948		3,541.3502	3,541.3502	0.0713	0.0803	3,567.0618
Total	**1.2268**	**4.1264**	**11.8114**	**0.0506**	**5.3955**	**0.0414**	**5.4369**	**1.4443**	**0.0388**	**1.4831**		**5,222.8443**	**5,222.8443**	**0.1318**	**0.3251**	**5,323.0056**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.4 Building Construction - 2027

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963	0.0000	2,556.4744	2,556.4744	0.6010		2,571.4981
Total	**1.3674**	**12.4697**	**16.0847**	**0.0270**		**0.5276**	**0.5276**		**0.4963**	**0.4963**	**0.0000**	**2,556.4744**	**2,556.4744**	**0.6010**		**2,571.4981**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0888	3.4551	1.2857	0.0156	0.5891	0.0195	0.6086	0.1696	0.0187	0.1883		1,681.4941	1,681.4941	0.0605	0.2448	1,755.9439
Worker	1.1380	0.6713	10.5257	0.0350	4.8064	0.0219	4.8283	1.2747	0.0201	1.2948		3,541.3502	3,541.3502	0.0713	0.0803	3,567.0618
Total	**1.2268**	**4.1264**	**11.8114**	**0.0506**	**5.3955**	**0.0414**	**5.4369**	**1.4443**	**0.0388**	**1.4831**		**5,222.8443**	**5,222.8443**	**0.1318**	**0.3251**	**5,323.0056**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.5 Architectural Coating - 2026

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	22.7232					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1709	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515		281.4481	281.4481	0.0154		281.8319
Total	**22.8940**	**1.1455**	**1.8091**	**2.9700e-003**		**0.0515**	**0.0515**		**0.0515**	**0.0515**		**281.4481**	**281.4481**	**0.0154**		**281.8319**

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	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
Worker	0.2406	0.1468	2.2275	7.2100e-003	0.9613	4.6600e-003	0.9659	0.2549	4.2900e-003	0.2592		728.7503	728.7503	0.0156	0.0169	734.1807
Total	**0.2406**	**0.1468**	**2.2275**	**7.2100e-003**	**0.9613**	**4.6600e-003**	**0.9659**	**0.2549**	**4.2900e-003**	**0.2592**		**728.7503**	**728.7503**	**0.0156**	**0.0169**	**734.1807**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.5 Architectural Coating - 2026

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	22.7232					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1709	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515	0.0000	281.4481	281.4481	0.0154		281.8319
Total	**22.8940**	**1.1455**	**1.8091**	**2.9700e-003**		**0.0515**	**0.0515**		**0.0515**	**0.0515**	**0.0000**	**281.4481**	**281.4481**	**0.0154**		**281.8319**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
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
Worker	0.2406	0.1468	2.2275	7.2100e-003	0.9613	4.6600e-003	0.9659	0.2549	4.2900e-003	0.2592		728.7503	728.7503	0.0156	0.0169	734.1807
Total	**0.2406**	**0.1468**	**2.2275**	**7.2100e-003**	**0.9613**	**4.6600e-003**	**0.9659**	**0.2549**	**4.2900e-003**	**0.2592**		**728.7503**	**728.7503**	**0.0156**	**0.0169**	**734.1807**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.6 Paving - 2027

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	0.9152	8.5816	14.5780	0.0228		0.4185	0.4185		0.3850	0.3850		2,206.7452	2,206.7452	0.7137		2,224.5878
Paving	0.1730					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.0881**	**8.5816**	**14.5780**	**0.0228**		**0.4185**	**0.4185**		**0.3850**	**0.3850**		**2,206.7452**	**2,206.7452**	**0.7137**		**2,224.5878**

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	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
Worker	0.0423	0.0250	0.3917	1.3000e-003	0.1788	8.1000e-004	0.1797	0.0474	7.5000e-004	0.0482		131.7712	131.7712	2.6500e-003	2.9900e-003	132.7279
Total	**0.0423**	**0.0250**	**0.3917**	**1.3000e-003**	**0.1788**	**8.1000e-004**	**0.1797**	**0.0474**	**7.5000e-004**	**0.0482**		**131.7712**	**131.7712**	**2.6500e-003**	**2.9900e-003**	**132.7279**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.6 Paving - 2027

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	0.9152	8.5816	14.5780	0.0228		0.4185	0.4185		0.3850	0.3850	0.0000	2,206.7452	2,206.7452	0.7137		2,224.5878
Paving	0.1730					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.0881**	**8.5816**	**14.5780**	**0.0228**		**0.4185**	**0.4185**		**0.3850**	**0.3850**	**0.0000**	**2,206.7452**	**2,206.7452**	**0.7137**		**2,224.5878**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
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
Worker	0.0423	0.0250	0.3917	1.3000e-003	0.1788	8.1000e-004	0.1797	0.0474	7.5000e-004	0.0482		131.7712	131.7712	2.6500e-003	2.9900e-003	132.7279
Total	**0.0423**	**0.0250**	**0.3917**	**1.3000e-003**	**0.1788**	**8.1000e-004**	**0.1797**	**0.0474**	**7.5000e-004**	**0.0482**		**131.7712**	**131.7712**	**2.6500e-003**	**2.9900e-003**	**132.7279**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	5.4752	6.0897	54.0987	0.1225	14.7241	0.0885	14.8126	3.9239	0.0823	4.0062		12,971.1298	12,971.1298	0.8242	0.5587	13,158.2198
Unmitigated	5.4752	6.0897	54.0987	0.1225	14.7241	0.0885	14.8126	3.9239	0.0823	4.0062		12,971.1298	12,971.1298	0.8242	0.5587	13,158.2198

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Mid Rise	1,983.98	1,791.70	1490.17	6,315,144	6,315,144
General Office Building	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Strip Mall	186.00	176.44	85.76	314,983	314,983
Total	2,169.98	1,968.14	1,575.93	6,630,127	6,630,127

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Apartments Mid Rise	14.55	5.53	8.50	40.20	19.20	40.60	86	11	3
General Office Building	16.60	8.40	6.90	33.00	48.00	19.00	77	19	4
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Strip Mall	15.00	8.40	6.90	16.60	64.40	19.00	45	40	15

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Mid Rise	0.540015	0.063309	0.186717	0.127205	0.023780	0.006682	0.012512	0.009167	0.000820	0.000485	0.025014	0.000756	0.003538
General Office Building	0.540015	0.063309	0.186717	0.127205	0.023780	0.006682	0.012512	0.009167	0.000820	0.000485	0.025014	0.000756	0.003538
Parking Lot	0.540015	0.063309	0.186717	0.127205	0.023780	0.006682	0.012512	0.009167	0.000820	0.000485	0.025014	0.000756	0.003538
Strip Mall	0.540015	0.063309	0.186717	0.127205	0.023780	0.006682	0.012512	0.009167	0.000820	0.000485	0.025014	0.000756	0.003538

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Percent of Electricity Use Generated with Renewable 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	1.6900e-003	0.0154	0.0129	9.0000e-005		1.1700e-003	1.1700e-003		1.1700e-003	1.1700e-003		18.4801	18.4801	3.5000e-004	3.4000e-004	18.5899
NaturalGas Unmitigated	1.6900e-003	0.0154	0.0129	9.0000e-005		1.1700e-003	1.1700e-003		1.1700e-003	1.1700e-003		18.4801	18.4801	3.5000e-004	3.4000e-004	18.5899

JPI Fontanta Apartments - South Coast AQMD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

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					
Apartments Mid Rise	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
General Office Building	132.971	1.4300e-003	0.0130	0.0110	8.0000e-005		9.9000e-004	9.9000e-004		9.9000e-004	9.9000e-004		15.6437	15.6437	3.0000e-004	2.9000e-004	15.7366
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Strip Mall	24.1096	2.6000e-004	2.3600e-003	1.9900e-003	1.0000e-005		1.8000e-004	1.8000e-004		1.8000e-004	1.8000e-004		2.8364	2.8364	5.0000e-005	5.0000e-005	2.8533
Total		**1.6900e-003**	**0.0154**	**0.0129**	**9.0000e-005**		**1.1700e-003**	**1.1700e-003**		**1.1700e-003**	**1.1700e-003**		**18.4801**	**18.4801**	**3.5000e-004**	**3.4000e-004**	**18.5899**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

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					
Apartments Mid Rise	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
General Office Building	0.132971	1.4300e-003	0.0130	0.0110	8.0000e-005		9.9000e-004	9.9000e-004		9.9000e-004	9.9000e-004		15.6437	15.6437	3.0000e-004	2.9000e-004	15.7366
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Strip Mall	0.0241096	2.6000e-004	2.3600e-003	1.9900e-003	1.0000e-005		1.8000e-004	1.8000e-004		1.8000e-004	1.8000e-004		2.8364	2.8364	5.0000e-005	5.0000e-005	2.8533
Total		**1.6900e-003**	**0.0154**	**0.0129**	**9.0000e-005**		**1.1700e-003**	**1.1700e-003**		**1.1700e-003**	**1.1700e-003**		**18.4801**	**18.4801**	**3.5000e-004**	**3.4000e-004**	**18.5899**

6.0 Area Detail

6.1 Mitigation Measures Area

JPI Fontanta Apartments - South Coast AQMD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	11.7347	6.5772	38.7085	0.0412		0.6983	0.6983		0.6983	0.6983	0.0000	7,931.0627	7,931.0627	0.2133	0.1442	7,979.3700
Unmitigated	11.7347	6.5772	38.7085	0.0412		0.6983	0.6983		0.6983	0.6983	0.0000	7,931.0627	7,931.0627	0.2133	0.1442	7,979.3700

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.8155					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	9.1105					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.7211	6.1617	2.6220	0.0393		0.4982	0.4982		0.4982	0.4982	0.0000	7,866.0000	7,866.0000	0.1508	0.1442	7,912.7437
Landscaping	1.0877	0.4155	36.0865	1.9100e-003		0.2001	0.2001		0.2001	0.2001		65.0627	65.0627	0.0625		66.6263
Total	**11.7347**	**6.5772**	**38.7085**	**0.0412**		**0.6983**	**0.6983**		**0.6983**	**0.6983**	**0.0000**	**7,931.0627**	**7,931.0627**	**0.2133**	**0.1442**	**7,979.3700**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.8155					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	9.1105					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.7211	6.1617	2.6220	0.0393		0.4982	0.4982		0.4982	0.4982	0.0000	7,866.0000	7,866.0000	0.1508	0.1442	7,912.7437
Landscaping	1.0877	0.4155	36.0865	1.9100e-003		0.2001	0.2001		0.2001	0.2001		65.0627	65.0627	0.0625		66.6263
Total	**11.7347**	**6.5772**	**38.7085**	**0.0412**		**0.6983**	**0.6983**		**0.6983**	**0.6983**	**0.0000**	**7,931.0627**	**7,931.0627**	**0.2133**	**0.1442**	**7,979.3700**

7.0 Water Detail

7.1 Mitigation Measures Water

Install Low Flow Bathroom Faucet

Install Low Flow Kitchen Faucet

Install Low Flow Toilet

Install Low Flow Shower

Use Water Efficient Irrigation System

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

8.0 Waste Detail

8.1 Mitigation Measures Waste

Institute Recycling and Composting Services

9.0 Operational Offroad

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

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

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

Boilers

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

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

Appendix A-2

Construction Health Risk Assessment

JPI Fontanta Apartments - HRA/LST - South Coast AQMD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

JPI Fontanta Apartments - HRA/LST

South Coast AQMD Air District, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	14.15	1000sqft	0.32	14,150.00	0
Parking Lot	646.00	Space	5.81	258,400.00	0
Apartments Mid Rise	437.00	Dwelling Unit	11.50	437,352.00	1250
Strip Mall	4.00	1000sqft	0.09	4,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	31
Climate Zone	10			**Operational Year**	2027
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	390.98	**CH4 Intensity (lb/MWhr)**	0.033	**N2O Intensity (lb/MWhr)**	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics - Operational year 2027.

Land Use - Residential SF updated based on Site Plan.

Construction Phase - Construction schedule information provided by the project applicant.

Trips and VMT - Water trucks were added as vendor trucks during the site preparation and grading phases. trip distances were reduced for the LST/HRA analysis

Grading - CalEEMod defaults.

Architectural Coating - CalEEMod defaults.

Vehicle Trips - Based on Transportation analysis and VMT memorandum.

Vehicle Emission Factors - CalEEMod defaults.

JPI Fontanta Apartments - HRA/LST - South Coast AQMD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Vehicle Emission Factors - CalEEMod defaults.

Vehicle Emission Factors - CalEEMod defaults.

Woodstoves - in complinace with SCAQMD rules no wood stoves and only gas fireplaces.

Energy Use - Residential energy use was modfied to relect electricy only design.

Construction Off-road Equipment Mitigation - Compliacne with SCAQMD Rule 403.

Mobile Land Use Mitigation - Not applied.

Energy Mitigation - On-site Renewable energy reduction based on information provided by the project applicant.

Water Mitigation - Indoor/Outdoor water use reduction based on information provided by the project applicant.

Waste Mitigation - Solid waste reduction based on information provided by the project applicant and compliance with San Bernadino County Regional GHG reduction plan

Fleet Mix - CalEEMod defaults.

Area Coating - CalEEMod defaults.

Water And Wastewater - CalEEmod defaults.

Solid Waste - CalEEmod defaults.

Table Name	Column Name	Default Value	New Value
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstructionPhase	NumDays	20.00	131.00
tblConstructionPhase	NumDays	300.00	571.00
tblConstructionPhase	NumDays	30.00	33.00
tblConstructionPhase	NumDays	20.00	88.00
tblConstructionPhase	NumDays	10.00	30.00
tblEnergyUse	NT24E	3,054.10	3,525.70
tblEnergyUse	NT24NG	6,030.00	0.00
tblEnergyUse	T24E	164.47	3,234.18
tblEnergyUse	T24NG	8,352.17	0.00
tblFireplaces	NumberWood	21.85	0.00
tblLandUse	LandUseSquareFeet	437,000.00	437,352.00
tblTripsAndVMT	HaulingTripLength	20.00	0.00
tblTripsAndVMT	HaulingTripLength	20.00	0.00

JPI Fontanta Apartments - HRA/LST - South Coast AQMD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

tblTripsAndVMT	HaulingTripLength	20.00	0.00
tblTripsAndVMT	HaulingTripLength	20.00	0.00
tblTripsAndVMT	HaulingTripLength	20.00	0.00
tblTripsAndVMT	VendorTripLength	6.90	0.00
tblTripsAndVMT	VendorTripLength	6.90	0.00
tblTripsAndVMT	VendorTripLength	6.90	0.00
tblTripsAndVMT	VendorTripLength	6.90	0.00
tblTripsAndVMT	VendorTripLength	6.90	0.00
tblTripsAndVMT	VendorTripNumber	0.00	6.00
tblTripsAndVMT	VendorTripNumber	0.00	6.00
tblTripsAndVMT	WorkerTripLength	14.70	0.00
tblTripsAndVMT	WorkerTripLength	14.70	0.00
tblTripsAndVMT	WorkerTripLength	14.70	0.00
tblTripsAndVMT	WorkerTripLength	14.70	0.00
tblTripsAndVMT	WorkerTripLength	14.70	0.00
tblTripsAndVMT	WorkerTripNumber	429.00	430.00
tblTripsAndVMT	WorkerTripNumber	15.00	16.00
tblVehicleTrips	CW_TL	16.60	15.00
tblVehicleTrips	HO_TL	8.70	8.50
tblVehicleTrips	HS_TL	5.90	5.53
tblVehicleTrips	HW_TL	14.70	14.55
tblVehicleTrips	ST_TR	4.91	4.10
tblVehicleTrips	ST_TR	2.21	0.00
tblVehicleTrips	ST_TR	42.04	44.11
tblVehicleTrips	SU_TR	4.09	3.41
tblVehicleTrips	SU_TR	0.70	0.00
tblVehicleTrips	SU_TR	20.43	21.44
tblVehicleTrips	WD_TR	5.44	4.54
tblVehicleTrips	WD_TR	9.74	0.00

JPI Fontanta Apartments - HRA/LST - South Coast AQMD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

tblVehicleTrips	WD_TR	44.32	46.50
tblWoodstoves	NumberCatalytic	21.85	0.00
tblWoodstoves	NumberNoncatalytic	21.85	0.00

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2024	3.2457	32.4528	27.8621	0.0622	19.6574	1.3355	20.8868	10.1026	1.2287	11.2337	0.0000	6,023.0527	6,023.0527	1.9460	0.0464	6,072.4758
2025	1.8993	13.6670	18.6594	0.0291	6.6600e-003	0.5300	0.5366	2.6300e-003	0.4985	0.5011	0.0000	2,779.3177	2,779.3177	0.6457	0.0449	2,808.8315
2026	24.8488	14.8287	20.7301	0.0321	7.5100e-003	0.5817	0.5892	2.9700e-003	0.5502	0.5532	0.0000	3,071.7643	3,071.7643	0.6653	0.0477	3,102.6123
2027	2.9412	22.2283	33.1613	0.0518	6.8200e-003	0.9484	0.9552	2.6900e-003	0.8834	0.8861	0.0000	4,980.0258	4,980.0258	1.3550	0.0430	5,026.7205
Maximum	**24.8488**	**32.4528**	**33.1613**	**0.0622**	**19.6574**	**1.3355**	**20.8868**	**10.1026**	**1.2287**	**11.2337**	**0.0000**	**6,023.0527**	**6,023.0527**	**1.9460**	**0.0477**	**6,072.4758**

JPI Fontanta Apartments - HRA/LST - South Coast AQMD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

2.1 Overall Construction (Maximum Daily Emission)

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					
2024	3.2457	32.4528	27.8621	0.0622	8.8460	1.3355	10.0755	4.5462	1.2287	5.6773	0.0000	6,023.0527	6,023.0527	1.9460	0.0464	6,072.4758
2025	1.8993	13.6670	18.6594	0.0291	6.6600e-003	0.5300	0.5366	2.6300e-003	0.4985	0.5011	0.0000	2,779.3177	2,779.3177	0.6457	0.0449	2,808.8315
2026	24.8488	14.8287	20.7301	0.0321	7.5100e-003	0.5817	0.5892	2.9700e-003	0.5502	0.5532	0.0000	3,071.7643	3,071.7643	0.6653	0.0477	3,102.6123
2027	2.9412	22.2283	33.1613	0.0518	6.8200e-003	0.9484	0.9552	2.6900e-003	0.8834	0.8861	0.0000	4,980.0258	4,980.0258	1.3550	0.0430	5,026.7205
Maximum	**24.8488**	**32.4528**	**33.1613**	**0.0622**	**8.8460**	**1.3355**	**10.0755**	**4.5462**	**1.2287**	**5.6773**	**0.0000**	**6,023.0527**	**6,023.0527**	**1.9460**	**0.0477**	**6,072.4758**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**54.94**	**0.00**	**47.07**	**54.95**	**0.00**	**42.18**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

JPI Fontanta Apartments - HRA/LST - South Coast AQMD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

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	11.7347	6.5772	38.7085	0.0412		0.6983	0.6983		0.6983	0.6983	0.0000	7,931.0627	7,931.0627	0.2133	0.1442	7,979.3700
Energy	1.6900e-003	0.0154	0.0129	9.0000e-005		1.1700e-003	1.1700e-003		1.1700e-003	1.1700e-003		18.4801	18.4801	3.5000e-004	3.4000e-004	18.5899
Mobile	5.6929	5.6698	55.7221	0.1284	14.7241	0.0885	14.8125	3.9239	0.0823	4.0062		13,596.2527	13,596.2527	0.8019	0.5385	13,776.7664
Total	**17.4294**	**12.2625**	**94.4436**	**0.1697**	**14.7241**	**0.7879**	**15.5120**	**3.9239**	**0.7817**	**4.7056**	**0.0000**	**21,545.7955**	**21,545.7955**	**1.0156**	**0.6830**	**21,774.7263**

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	11.7347	6.5772	38.7085	0.0412		0.6983	0.6983		0.6983	0.6983	0.0000	7,931.0627	7,931.0627	0.2133	0.1442	7,979.3700
Energy	1.6900e-003	0.0154	0.0129	9.0000e-005		1.1700e-003	1.1700e-003		1.1700e-003	1.1700e-003		18.4801	18.4801	3.5000e-004	3.4000e-004	18.5899
Mobile	5.6929	5.6698	55.7221	0.1284	14.7241	0.0885	14.8125	3.9239	0.0823	4.0062		13,596.2527	13,596.2527	0.8019	0.5385	13,776.7664
Total	**17.4294**	**12.2625**	**94.4436**	**0.1697**	**14.7241**	**0.7879**	**15.5120**	**3.9239**	**0.7817**	**4.7056**	**0.0000**	**21,545.7955**	**21,545.7955**	**1.0156**	**0.6830**	**21,774.7263**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	9/4/2024	10/15/2024	5	30	
2	Grading	Grading	10/16/2024	11/29/2024	5	33	
3	Building Construction	Building Construction	12/2/2024	2/8/2027	5	571	
4	Architectural Coating	Architectural Coating	1/5/2026	7/6/2026	5	131	
5	Paving	Paving	1/7/2027	5/10/2027	5	88	

Acres of Grading (Site Preparation Phase): 45

Acres of Grading (Grading Phase): 99

Acres of Paving: 5.81

Residential Indoor: 885,638; Residential Outdoor: 295,213; Non-Residential Indoor: 27,225; Non-Residential Outdoor: 9,075; Striped Parking Area: 15,504 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading	Excavators	2	8.00	158	0.38
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Scrapers	2	8.00	367	0.48

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Paving	Pavers	2	8.00	130	0.42
Paving	Paving Equipment	2	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Site Preparation	7	18.00	6.00	0.00	0.00	0.00	0.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	6.00	0.00	0.00	0.00	0.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	430.00	92.00	0.00	0.00	0.00	0.00	LD_Mix	HDT_Mix	HHDT
Paving	6	16.00	0.00	0.00	0.00	0.00	0.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	86.00	0.00	0.00	0.00	0.00	0.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

JPI Fontanta Apartments - HRA/LST - South Coast AQMD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.2 Site Preparation - 2024

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					19.6570	0.0000	19.6570	10.1025	0.0000	10.1025			0.0000			0.0000
Off-Road	2.6609	27.1760	18.3356	0.0381		1.2294	1.2294		1.1310	1.1310		3,688.0100	3,688.0100	1.1928		3,717.8294
Total	**2.6609**	**27.1760**	**18.3356**	**0.0381**	**19.6570**	**1.2294**	**20.8864**	**10.1025**	**1.1310**	**11.2335**		**3,688.0100**	**3,688.0100**	**1.1928**		**3,717.8294**

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	0.0000
Vendor	3.9400e-003	0.0678	0.0551	9.0000e-005	1.6000e-004	4.0000e-005	1.9000e-004	6.0000e-005	4.0000e-005	1.0000e-004		9.5087	9.5087	3.4000e-004	1.5200e-003	9.9687
Worker	0.0213	7.3000e-003	0.0758	3.0000e-005	1.8000e-004	8.0000e-005	2.6000e-004	7.0000e-005	7.0000e-005	1.4000e-004		3.4158	3.4158	1.8000e-003	9.7000e-004	3.7499
Total	**0.0252**	**0.0751**	**0.1309**	**1.2000e-004**	**3.4000e-004**	**1.2000e-004**	**4.5000e-004**	**1.3000e-004**	**1.1000e-004**	**2.4000e-004**		**12.9245**	**12.9245**	**2.1400e-003**	**2.4900e-003**	**13.7186**

JPI Fontanta Apartments - HRA/LST - South Coast AQMD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.2 Site Preparation - 2024

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					8.8457	0.0000	8.8457	4.5461	0.0000	4.5461			0.0000			0.0000
Off-Road	2.6609	27.1760	18.3356	0.0381		1.2294	1.2294		1.1310	1.1310	0.0000	3,688.0100	3,688.0100	1.1928		3,717.8294
Total	**2.6609**	**27.1760**	**18.3356**	**0.0381**	**8.8457**	**1.2294**	**10.0750**	**4.5461**	**1.1310**	**5.6771**	**0.0000**	**3,688.0100**	**3,688.0100**	**1.1928**		**3,717.8294**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	3.9400e-003	0.0678	0.0551	9.0000e-005	1.6000e-004	4.0000e-005	1.9000e-004	6.0000e-005	4.0000e-005	1.0000e-004		9.5087	9.5087	3.4000e-004	1.5200e-003	9.9687
Worker	0.0213	7.3000e-003	0.0758	3.0000e-005	1.8000e-004	8.0000e-005	2.6000e-004	7.0000e-005	7.0000e-005	1.4000e-004		3.4158	3.4158	1.8000e-003	9.7000e-004	3.7499
Total	**0.0252**	**0.0751**	**0.1309**	**1.2000e-004**	**3.4000e-004**	**1.2000e-004**	**4.5000e-004**	**1.3000e-004**	**1.1000e-004**	**2.4000e-004**		**12.9245**	**12.9245**	**2.1400e-003**	**2.4900e-003**	**13.7186**

JPI Fontanta Apartments - HRA/LST - South Coast AQMD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.3 Grading - 2024

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					9.2036	0.0000	9.2036	3.6538	0.0000	3.6538			0.0000			0.0000
Off-Road	3.2181	32.3770	27.7228	0.0621		1.3354	1.3354		1.2286	1.2286		6,009.7487	6,009.7487	1.9437		6,058.3405
Total	**3.2181**	**32.3770**	**27.7228**	**0.0621**	**9.2036**	**1.3354**	**10.5390**	**3.6538**	**1.2286**	**4.8823**		**6,009.7487**	**6,009.7487**	**1.9437**		**6,058.3405**

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	0.0000
Vendor	3.9400e-003	0.0678	0.0551	9.0000e-005	1.6000e-004	4.0000e-005	1.9000e-004	6.0000e-005	4.0000e-005	1.0000e-004		9.5087	9.5087	3.4000e-004	1.5200e-003	9.9687
Worker	0.0236	8.1100e-003	0.0842	4.0000e-005	2.0000e-004	9.0000e-005	2.9000e-004	8.0000e-005	8.0000e-005	1.6000e-004		3.7954	3.7954	2.0000e-003	1.0800e-003	4.1666
Total	**0.0276**	**0.0759**	**0.1393**	**1.3000e-004**	**3.6000e-004**	**1.3000e-004**	**4.8000e-004**	**1.4000e-004**	**1.2000e-004**	**2.6000e-004**		**13.3041**	**13.3041**	**2.3400e-003**	**2.6000e-003**	**14.1353**

JPI Fontanta Apartments - HRA/LST - South Coast AQMD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.3 Grading - 2024

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					4.1416	0.0000	4.1416	1.6442	0.0000	1.6442			0.0000			0.0000
Off-Road	3.2181	32.3770	27.7228	0.0621		1.3354	1.3354		1.2286	1.2286	0.0000	6,009.7487	6,009.7487	1.9437		6,058.3405
Total	**3.2181**	**32.3770**	**27.7228**	**0.0621**	**4.1416**	**1.3354**	**5.4770**	**1.6442**	**1.2286**	**2.8728**	**0.0000**	**6,009.7487**	**6,009.7487**	**1.9437**		**6,058.3405**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	3.9400e-003	0.0678	0.0551	9.0000e-005	1.6000e-004	4.0000e-005	1.9000e-004	6.0000e-005	4.0000e-005	1.0000e-004		9.5087	9.5087	3.4000e-004	1.5200e-003	9.9687
Worker	0.0236	8.1100e-003	0.0842	4.0000e-005	2.0000e-004	9.0000e-005	2.9000e-004	8.0000e-005	8.0000e-005	1.6000e-004		3.7954	3.7954	2.0000e-003	1.0800e-003	4.1666
Total	**0.0276**	**0.0759**	**0.1393**	**1.3000e-004**	**3.6000e-004**	**1.3000e-004**	**4.8000e-004**	**1.4000e-004**	**1.2000e-004**	**2.6000e-004**		**13.3041**	**13.3041**	**2.3400e-003**	**2.6000e-003**	**14.1353**

JPI Fontanta Apartments - HRA/LST - South Coast AQMD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.4 Building Construction - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4716	13.4438	16.1668	0.0270		0.6133	0.6133		0.5769	0.5769		2,555.6989	2,555.6989	0.6044		2,570.8077
Total	**1.4716**	**13.4438**	**16.1668**	**0.0270**		**0.6133**	**0.6133**		**0.5769**	**0.5769**		**2,555.6989**	**2,555.6989**	**0.6044**		**2,570.8077**

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	0.0000
Vendor	0.0604	1.0392	0.8454	1.3600e-003	2.4200e-003	5.7000e-004	2.9900e-003	9.5000e-004	5.4000e-004	1.4900e-003		145.7999	145.7999	5.1700e-003	0.0232	152.8535
Worker	0.5081	0.1743	1.8102	7.9000e-004	4.2400e-003	1.9200e-003	6.1600e-003	1.6800e-003	1.7600e-003	3.4500e-003		81.6003	81.6003	0.0430	0.0232	89.5818
Total	**0.5685**	**1.2135**	**2.6556**	**2.1500e-003**	**6.6600e-003**	**2.4900e-003**	**9.1500e-003**	**2.6300e-003**	**2.3000e-003**	**4.9400e-003**		**227.4002**	**227.4002**	**0.0482**	**0.0464**	**242.4352**

JPI Fontanta Apartments - HRA/LST - South Coast AQMD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.4 Building Construction - 2024

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4716	13.4438	16.1668	0.0270		0.6133	0.6133		0.5769	0.5769	0.0000	2,555.6989	2,555.6989	0.6044		2,570.8077
Total	**1.4716**	**13.4438**	**16.1668**	**0.0270**		**0.6133**	**0.6133**		**0.5769**	**0.5769**	**0.0000**	**2,555.6989**	**2,555.6989**	**0.6044**		**2,570.8077**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0604	1.0392	0.8454	1.3600e-003	2.4200e-003	5.7000e-004	2.9900e-003	9.5000e-004	5.4000e-004	1.4900e-003		145.7999	145.7999	5.1700e-003	0.0232	152.8535
Worker	0.5081	0.1743	1.8102	7.9000e-004	4.2400e-003	1.9200e-003	6.1600e-003	1.6800e-003	1.7600e-003	3.4500e-003		81.6003	81.6003	0.0430	0.0232	89.5818
Total	**0.5685**	**1.2135**	**2.6556**	**2.1500e-003**	**6.6600e-003**	**2.4900e-003**	**9.1500e-003**	**2.6300e-003**	**2.3000e-003**	**4.9400e-003**		**227.4002**	**227.4002**	**0.0482**	**0.0464**	**242.4352**

JPI Fontanta Apartments - HRA/LST - South Coast AQMD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.4 Building Construction - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.4744	2,556.4744	0.6010		2,571.4981
Total	**1.3674**	**12.4697**	**16.0847**	**0.0270**		**0.5276**	**0.5276**		**0.4963**	**0.4963**		**2,556.4744**	**2,556.4744**	**0.6010**		**2,571.4981**

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	0.0000
Vendor	0.0598	1.0353	0.8368	1.3300e-003	2.4200e-003	5.6000e-004	2.9800e-003	9.5000e-004	5.3000e-004	1.4800e-003		143.2079	143.2079	5.1100e-003	0.0228	150.1388
Worker	0.4721	0.1620	1.7379	7.6000e-004	4.2400e-003	1.8400e-003	6.0900e-003	1.6800e-003	1.6900e-003	3.3800e-003		79.6355	79.6355	0.0396	0.0220	87.1946
Total	**0.5319**	**1.1973**	**2.5747**	**2.0900e-003**	**6.6600e-003**	**2.4000e-003**	**9.0700e-003**	**2.6300e-003**	**2.2200e-003**	**4.8600e-003**		**222.8433**	**222.8433**	**0.0447**	**0.0449**	**237.3334**

JPI Fontanta Apartments - HRA/LST - South Coast AQMD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.4 Building Construction - 2025

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963	0.0000	2,556.4744	2,556.4744	0.6010		2,571.4981
Total	**1.3674**	**12.4697**	**16.0847**	**0.0270**		**0.5276**	**0.5276**		**0.4963**	**0.4963**	**0.0000**	**2,556.4744**	**2,556.4744**	**0.6010**		**2,571.4981**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0598	1.0353	0.8368	1.3300e-003	2.4200e-003	5.6000e-004	2.9800e-003	9.5000e-004	5.3000e-004	1.4800e-003		143.2079	143.2079	5.1100e-003	0.0228	150.1388
Worker	0.4721	0.1620	1.7379	7.6000e-004	4.2400e-003	1.8400e-003	6.0900e-003	1.6800e-003	1.6900e-003	3.3800e-003		79.6355	79.6355	0.0396	0.0220	87.1946
Total	**0.5319**	**1.1973**	**2.5747**	**2.0900e-003**	**6.6600e-003**	**2.4000e-003**	**9.0700e-003**	**2.6300e-003**	**2.2200e-003**	**4.8600e-003**		**222.8433**	**222.8433**	**0.0447**	**0.0449**	**237.3334**

JPI Fontanta Apartments - HRA/LST - South Coast AQMD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.4 Building Construction - 2026

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.4744	2,556.4744	0.6010		2,571.4981
Total	**1.3674**	**12.4697**	**16.0847**	**0.0270**		**0.5276**	**0.5276**		**0.4963**	**0.4963**		**2,556.4744**	**2,556.4744**	**0.6010**		**2,571.4981**

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	0.0000
Vendor	0.0592	1.0316	0.8293	1.3100e-003	2.4200e-003	5.4000e-004	2.9600e-003	9.5000e-004	5.2000e-004	1.4700e-003		140.4951	140.4951	5.0700e-003	0.0224	147.2982
Worker	0.4401	0.1516	1.6725	7.4000e-004	4.2400e-003	1.7600e-003	6.0100e-003	1.6800e-003	1.6200e-003	3.3100e-003		77.7890	77.7890	0.0366	0.0211	84.9868
Total	**0.4993**	**1.1832**	**2.5018**	**2.0500e-003**	**6.6600e-003**	**2.3000e-003**	**8.9700e-003**	**2.6300e-003**	**2.1400e-003**	**4.7800e-003**		**218.2841**	**218.2841**	**0.0417**	**0.0435**	**232.2850**

JPI Fontanta Apartments - HRA/LST - South Coast AQMD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.4 Building Construction - 2026

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963	0.0000	2,556.4744	2,556.4744	0.6010		2,571.4981
Total	**1.3674**	**12.4697**	**16.0847**	**0.0270**		**0.5276**	**0.5276**		**0.4963**	**0.4963**	**0.0000**	**2,556.4744**	**2,556.4744**	**0.6010**		**2,571.4981**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0592	1.0316	0.8293	1.3100e-003	2.4200e-003	5.4000e-004	2.9600e-003	9.5000e-004	5.2000e-004	1.4700e-003		140.4951	140.4951	5.0700e-003	0.0224	147.2982
Worker	0.4401	0.1516	1.6725	7.4000e-004	4.2400e-003	1.7600e-003	6.0100e-003	1.6800e-003	1.6200e-003	3.3100e-003		77.7890	77.7890	0.0366	0.0211	84.9868
Total	**0.4993**	**1.1832**	**2.5018**	**2.0500e-003**	**6.6600e-003**	**2.3000e-003**	**8.9700e-003**	**2.6300e-003**	**2.1400e-003**	**4.7800e-003**		**218.2841**	**218.2841**	**0.0417**	**0.0435**	**232.2850**

JPI Fontanta Apartments - HRA/LST - South Coast AQMD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.4 Building Construction - 2027

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.4744	2,556.4744	0.6010		2,571.4981
Total	**1.3674**	**12.4697**	**16.0847**	**0.0270**		**0.5276**	**0.5276**		**0.4963**	**0.4963**		**2,556.4744**	**2,556.4744**	**0.6010**		**2,571.4981**

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	0.0000
Vendor	0.0587	1.0287	0.8231	1.2800e-003	2.4200e-003	5.3000e-004	2.9500e-003	9.5000e-004	5.1000e-004	1.4600e-003		137.8311	137.8311	5.0300e-003	0.0220	144.5093
Worker	0.4116	0.1429	1.6154	7.2000e-004	4.2400e-003	1.6800e-003	5.9200e-003	1.6800e-003	1.5400e-003	3.2200e-003		76.1420	76.1420	0.0341	0.0203	83.0357
Total	**0.4703**	**1.1716**	**2.4385**	**2.0000e-003**	**6.6600e-003**	**2.2100e-003**	**8.8700e-003**	**2.6300e-003**	**2.0500e-003**	**4.6800e-003**		**213.9731**	**213.9731**	**0.0391**	**0.0423**	**227.5449**

JPI Fontanta Apartments - HRA/LST - South Coast AQMD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.4 Building Construction - 2027

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963	0.0000	2,556.4744	2,556.4744	0.6010		2,571.4981
Total	**1.3674**	**12.4697**	**16.0847**	**0.0270**		**0.5276**	**0.5276**		**0.4963**	**0.4963**	**0.0000**	**2,556.4744**	**2,556.4744**	**0.6010**		**2,571.4981**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0587	1.0287	0.8231	1.2800e-003	2.4200e-003	5.3000e-004	2.9500e-003	9.5000e-004	5.1000e-004	1.4600e-003		137.8311	137.8311	5.0300e-003	0.0220	144.5093
Worker	0.4116	0.1429	1.6154	7.2000e-004	4.2400e-003	1.6800e-003	5.9200e-003	1.6800e-003	1.5400e-003	3.2200e-003		76.1420	76.1420	0.0341	0.0203	83.0357
Total	**0.4703**	**1.1716**	**2.4385**	**2.0000e-003**	**6.6600e-003**	**2.2100e-003**	**8.8700e-003**	**2.6300e-003**	**2.0500e-003**	**4.6800e-003**		**213.9731**	**213.9731**	**0.0391**	**0.0423**	**227.5449**

JPI Fontanta Apartments - HRA/LST - South Coast AQMD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.5 Architectural Coating - 2026

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	22.7232					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1709	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515		281.4481	281.4481	0.0154		281.8319
Total	**22.8940**	**1.1455**	**1.8091**	**2.9700e-003**		**0.0515**	**0.0515**		**0.0515**	**0.0515**		**281.4481**	**281.4481**	**0.0154**		**281.8319**

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	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
Worker	0.0880	0.0303	0.3345	1.5000e-004	8.5000e-004	3.5000e-004	1.2000e-003	3.4000e-004	3.2000e-004	6.6000e-004		15.5578	15.5578	7.3300e-003	4.2200e-003	16.9974
Total	**0.0880**	**0.0303**	**0.3345**	**1.5000e-004**	**8.5000e-004**	**3.5000e-004**	**1.2000e-003**	**3.4000e-004**	**3.2000e-004**	**6.6000e-004**		**15.5578**	**15.5578**	**7.3300e-003**	**4.2200e-003**	**16.9974**

JPI Fontanta Apartments - HRA/LST - South Coast AQMD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.5 Architectural Coating - 2026

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	22.7232					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1709	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515	0.0000	281.4481	281.4481	0.0154		281.8319
Total	**22.8940**	**1.1455**	**1.8091**	**2.9700e-003**		**0.0515**	**0.0515**		**0.0515**	**0.0515**	**0.0000**	**281.4481**	**281.4481**	**0.0154**		**281.8319**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
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
Worker	0.0880	0.0303	0.3345	1.5000e-004	8.5000e-004	3.5000e-004	1.2000e-003	3.4000e-004	3.2000e-004	6.6000e-004		15.5578	15.5578	7.3300e-003	4.2200e-003	16.9974
Total	**0.0880**	**0.0303**	**0.3345**	**1.5000e-004**	**8.5000e-004**	**3.5000e-004**	**1.2000e-003**	**3.4000e-004**	**3.2000e-004**	**6.6000e-004**		**15.5578**	**15.5578**	**7.3300e-003**	**4.2200e-003**	**16.9974**

JPI Fontanta Apartments - HRA/LST - South Coast AQMD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.6 Paving - 2027

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	0.9152	8.5816	14.5780	0.0228		0.4185	0.4185		0.3850	0.3850		2,206.7452	2,206.7452	0.7137		2,224.5878
Paving	0.1730					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.0881**	**8.5816**	**14.5780**	**0.0228**		**0.4185**	**0.4185**		**0.3850**	**0.3850**		**2,206.7452**	**2,206.7452**	**0.7137**		**2,224.5878**

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	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
Worker	0.0153	5.3200e-003	0.0601	3.0000e-005	1.6000e-004	6.0000e-005	2.2000e-004	6.0000e-005	6.0000e-005	1.2000e-004		2.8332	2.8332	1.2700e-003	7.5000e-004	3.0897
Total	**0.0153**	**5.3200e-003**	**0.0601**	**3.0000e-005**	**1.6000e-004**	**6.0000e-005**	**2.2000e-004**	**6.0000e-005**	**6.0000e-005**	**1.2000e-004**		**2.8332**	**2.8332**	**1.2700e-003**	**7.5000e-004**	**3.0897**

JPI Fontanta Apartments - HRA/LST - South Coast AQMD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.6 Paving - 2027

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	0.9152	8.5816	14.5780	0.0228		0.4185	0.4185		0.3850	0.3850	0.0000	2,206.7452	2,206.7452	0.7137		2,224.5878
Paving	0.1730					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.0881**	**8.5816**	**14.5780**	**0.0228**		**0.4185**	**0.4185**		**0.3850**	**0.3850**	**0.0000**	**2,206.7452**	**2,206.7452**	**0.7137**		**2,224.5878**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
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
Worker	0.0153	5.3200e-003	0.0601	3.0000e-005	1.6000e-004	6.0000e-005	2.2000e-004	6.0000e-005	6.0000e-005	1.2000e-004		2.8332	2.8332	1.2700e-003	7.5000e-004	3.0897
Total	**0.0153**	**5.3200e-003**	**0.0601**	**3.0000e-005**	**1.6000e-004**	**6.0000e-005**	**2.2000e-004**	**6.0000e-005**	**6.0000e-005**	**1.2000e-004**		**2.8332**	**2.8332**	**1.2700e-003**	**7.5000e-004**	**3.0897**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	5.6929	5.6698	55.7221	0.1284	14.7241	0.0885	14.8125	3.9239	0.0823	4.0062		13,596.2527	13,596.2527	0.8019	0.5385	13,776.7664
Unmitigated	5.6929	5.6698	55.7221	0.1284	14.7241	0.0885	14.8125	3.9239	0.0823	4.0062		13,596.2527	13,596.2527	0.8019	0.5385	13,776.7664

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Mid Rise	1,983.98	1,791.70	1490.17	6,315,144	6,315,144
General Office Building	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Strip Mall	186.00	176.44	85.76	314,983	314,983
Total	2,169.98	1,968.14	1,575.93	6,630,127	6,630,127

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Apartments Mid Rise	14.55	5.53	8.50	40.20	19.20	40.60	86	11	3
General Office Building	16.60	8.40	6.90	33.00	48.00	19.00	77	19	4
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Strip Mall	15.00	8.40	6.90	16.60	64.40	19.00	45	40	15

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Mid Rise	0.540015	0.063309	0.186717	0.127205	0.023780	0.006682	0.012512	0.009167	0.000820	0.000485	0.025014	0.000756	0.003538
General Office Building	0.540015	0.063309	0.186717	0.127205	0.023780	0.006682	0.012512	0.009167	0.000820	0.000485	0.025014	0.000756	0.003538
Parking Lot	0.540015	0.063309	0.186717	0.127205	0.023780	0.006682	0.012512	0.009167	0.000820	0.000485	0.025014	0.000756	0.003538
Strip Mall	0.540015	0.063309	0.186717	0.127205	0.023780	0.006682	0.012512	0.009167	0.000820	0.000485	0.025014	0.000756	0.003538

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Percent of Electricity Use Generated with Renewable 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	1.6900e-003	0.0154	0.0129	9.0000e-005		1.1700e-003	1.1700e-003		1.1700e-003	1.1700e-003		18.4801	18.4801	3.5000e-004	3.4000e-004	18.5899
NaturalGas Unmitigated	1.6900e-003	0.0154	0.0129	9.0000e-005		1.1700e-003	1.1700e-003		1.1700e-003	1.1700e-003		18.4801	18.4801	3.5000e-004	3.4000e-004	18.5899

JPI Fontanta Apartments - HRA/LST - South Coast AQMD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

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					
Apartments Mid Rise	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
General Office Building	132.971	1.4300e-003	0.0130	0.0110	8.0000e-005		9.9000e-004	9.9000e-004		9.9000e-004	9.9000e-004		15.6437	15.6437	3.0000e-004	2.9000e-004	15.7366
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Strip Mall	24.1096	2.6000e-004	2.3600e-003	1.9900e-003	1.0000e-005		1.8000e-004	1.8000e-004		1.8000e-004	1.8000e-004		2.8364	2.8364	5.0000e-005	5.0000e-005	2.8533
Total		**1.6900e-003**	**0.0154**	**0.0129**	**9.0000e-005**		**1.1700e-003**	**1.1700e-003**		**1.1700e-003**	**1.1700e-003**		**18.4801**	**18.4801**	**3.5000e-004**	**3.4000e-004**	**18.5899**

JPI Fontanta Apartments - HRA/LST - South Coast AQMD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

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					
Apartments Mid Rise	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
General Office Building	0.132971	1.4300e-003	0.0130	0.0110	8.0000e-005		9.9000e-004	9.9000e-004		9.9000e-004	9.9000e-004		15.6437	15.6437	3.0000e-004	2.9000e-004	15.7366
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Strip Mall	0.0241096	2.6000e-004	2.3600e-003	1.9900e-003	1.0000e-005		1.8000e-004	1.8000e-004		1.8000e-004	1.8000e-004		2.8364	2.8364	5.0000e-005	5.0000e-005	2.8533
Total		**1.6900e-003**	**0.0154**	**0.0129**	**9.0000e-005**		**1.1700e-003**	**1.1700e-003**		**1.1700e-003**	**1.1700e-003**		**18.4801**	**18.4801**	**3.5000e-004**	**3.4000e-004**	**18.5899**

6.0 Area Detail

6.1 Mitigation Measures Area

JPI Fontanta Apartments - HRA/LST - South Coast AQMD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	11.7347	6.5772	38.7085	0.0412		0.6983	0.6983		0.6983	0.6983	0.0000	7,931.0627	7,931.0627	0.2133	0.1442	7,979.3700
Unmitigated	11.7347	6.5772	38.7085	0.0412		0.6983	0.6983		0.6983	0.6983	0.0000	7,931.0627	7,931.0627	0.2133	0.1442	7,979.3700

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.8155					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	9.1105					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.7211	6.1617	2.6220	0.0393		0.4982	0.4982		0.4982	0.4982	0.0000	7,866.0000	7,866.0000	0.1508	0.1442	7,912.7437
Landscaping	1.0877	0.4155	36.0865	1.9100e-003		0.2001	0.2001		0.2001	0.2001		65.0627	65.0627	0.0625		66.6263
Total	**11.7347**	**6.5772**	**38.7085**	**0.0412**		**0.6983**	**0.6983**		**0.6983**	**0.6983**	**0.0000**	**7,931.0627**	**7,931.0627**	**0.2133**	**0.1442**	**7,979.3700**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.8155					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	9.1105					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.7211	6.1617	2.6220	0.0393		0.4982	0.4982		0.4982	0.4982	0.0000	7,866.0000	7,866.0000	0.1508	0.1442	7,912.7437
Landscaping	1.0877	0.4155	36.0865	1.9100e-003		0.2001	0.2001		0.2001	0.2001		65.0627	65.0627	0.0625		66.6263
Total	**11.7347**	**6.5772**	**38.7085**	**0.0412**		**0.6983**	**0.6983**		**0.6983**	**0.6983**	**0.0000**	**7,931.0627**	**7,931.0627**	**0.2133**	**0.1442**	**7,979.3700**

7.0 Water Detail

7.1 Mitigation Measures Water

Install Low Flow Bathroom Faucet

Install Low Flow Kitchen Faucet

Install Low Flow Toilet

Install Low Flow Shower

Use Water Efficient Irrigation System

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

8.0 Waste Detail

8.1 Mitigation Measures Waste

Institute Recycling and Composting Services

9.0 Operational Offroad

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

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

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

Boilers

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

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

JPI Fontanta Apartments - HRA/LST - South Coast AQMD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

JPI Fontanta Apartments - HRA/LST

South Coast AQMD Air District, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	14.15	1000sqft	0.32	14,150.00	0
Parking Lot	646.00	Space	5.81	258,400.00	0
Apartments Mid Rise	437.00	Dwelling Unit	11.50	437,352.00	1250
Strip Mall	4.00	1000sqft	0.09	4,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	31
Climate Zone	10			**Operational Year**	2027
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	390.98	**CH4 Intensity (lb/MWhr)**	0.033	**N2O Intensity (lb/MWhr)**	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics - Operational year 2027.

Land Use - Residential SF updated based on Site Plan.

Construction Phase - Construction schedule information provided by the project applicant.

Trips and VMT - Water trucks were added as vendor trucks during the site preparation and grading phases. trip distances were reduced for the LST/HRA analysis

Grading - CalEEMod defaults.

Architectural Coating - CalEEMod defaults.

Vehicle Trips - Based on Transportation analysis and VMT memorandum.

Vehicle Emission Factors - CalEEMod defaults.

JPI Fontanta Apartments - HRA/LST - South Coast AQMD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Vehicle Emission Factors - CalEEMod defaults.

Vehicle Emission Factors - CalEEMod defaults.

Woodstoves - in complinace with SCAQMD rules no wood stoves and only gas fireplaces.

Energy Use - Residential energy use was modfied to relect electricy only design.

Construction Off-road Equipment Mitigation - Compliacne with SCAQMD Rule 403.

Mobile Land Use Mitigation - Not applied.

Energy Mitigation - On-site Renewable energy reduction based on information provided by the project applicant.

Water Mitigation - Indoor/Outdoor water use reduction based on information provided by the project applicant.

Waste Mitigation - Solid waste reduction based on information provided by the project applicant and compliance with San Bernadino County Regional GHG reduction plan

Fleet Mix - CalEEMod defaults.

Area Coating - CalEEMod defaults.

Water And Wastewater - CalEEmod defaults.

Solid Waste - CalEEmod defaults.

Table Name	Column Name	Default Value	New Value
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstructionPhase	NumDays	20.00	131.00
tblConstructionPhase	NumDays	300.00	571.00
tblConstructionPhase	NumDays	30.00	33.00
tblConstructionPhase	NumDays	20.00	88.00
tblConstructionPhase	NumDays	10.00	30.00
tblEnergyUse	NT24E	3,054.10	3,525.70
tblEnergyUse	NT24NG	6,030.00	0.00
tblEnergyUse	T24E	164.47	3,234.18
tblEnergyUse	T24NG	8,352.17	0.00
tblFireplaces	NumberWood	21.85	0.00
tblLandUse	LandUseSquareFeet	437,000.00	437,352.00
tblTripsAndVMT	HaulingTripLength	20.00	0.00
tblTripsAndVMT	HaulingTripLength	20.00	0.00

JPI Fontanta Apartments - HRA/LST - South Coast AQMD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

tblTripsAndVMT	HaulingTripLength	20.00	0.00
tblTripsAndVMT	HaulingTripLength	20.00	0.00
tblTripsAndVMT	HaulingTripLength	20.00	0.00
tblTripsAndVMT	VendorTripLength	6.90	0.00
tblTripsAndVMT	VendorTripLength	6.90	0.00
tblTripsAndVMT	VendorTripLength	6.90	0.00
tblTripsAndVMT	VendorTripLength	6.90	0.00
tblTripsAndVMT	VendorTripLength	6.90	0.00
tblTripsAndVMT	VendorTripNumber	0.00	6.00
tblTripsAndVMT	VendorTripNumber	0.00	6.00
tblTripsAndVMT	WorkerTripLength	14.70	0.00
tblTripsAndVMT	WorkerTripLength	14.70	0.00
tblTripsAndVMT	WorkerTripLength	14.70	0.00
tblTripsAndVMT	WorkerTripLength	14.70	0.00
tblTripsAndVMT	WorkerTripLength	14.70	0.00
tblTripsAndVMT	WorkerTripNumber	429.00	430.00
tblTripsAndVMT	WorkerTripNumber	15.00	16.00
tblVehicleTrips	CW_TL	16.60	15.00
tblVehicleTrips	HO_TL	8.70	8.50
tblVehicleTrips	HS_TL	5.90	5.53
tblVehicleTrips	HW_TL	14.70	14.55
tblVehicleTrips	ST_TR	4.91	4.10
tblVehicleTrips	ST_TR	2.21	0.00
tblVehicleTrips	ST_TR	42.04	44.11
tblVehicleTrips	SU_TR	4.09	3.41
tblVehicleTrips	SU_TR	0.70	0.00
tblVehicleTrips	SU_TR	20.43	21.44
tblVehicleTrips	WD_TR	5.44	4.54
tblVehicleTrips	WD_TR	9.74	0.00

JPI Fontanta Apartments - HRA/LST - South Coast AQMD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

tblVehicleTrips	WD_TR	44.32	46.50
tblWoodstoves	NumberCatalytic	21.85	0.00
tblWoodstoves	NumberNoncatalytic	21.85	0.00

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2024	3.2433	32.4580	27.8806	0.0622	19.6574	1.3355	20.8868	10.1026	1.2287	11.2337	0.0000	6,023.2196	6,023.2196	1.9463	0.0484	6,072.6792
2025	1.8518	13.7495	19.0239	0.0291	6.6600e-003	0.5301	0.5367	2.6300e-003	0.4986	0.5012	0.0000	2,781.5929	2,781.5929	0.6509	0.0468	2,811.7939
2026	24.7947	14.9132	21.1425	0.0322	7.5100e-003	0.5818	0.5893	2.9700e-003	0.5503	0.5533	0.0000	3,073.8375	3,073.8375	0.6711	0.0498	3,105.4439
2027	2.8949	22.3101	33.5111	0.0518	6.8200e-003	0.9484	0.9553	2.6900e-003	0.8835	0.8862	0.0000	4,982.2451	4,982.2451	1.3596	0.0448	5,029.5902
Maximum	**24.7947**	**32.4580**	**33.5111**	**0.0622**	**19.6574**	**1.3355**	**20.8868**	**10.1026**	**1.2287**	**11.2337**	**0.0000**	**6,023.2196**	**6,023.2196**	**1.9463**	**0.0498**	**6,072.6792**

JPI Fontanta Apartments - HRA/LST - South Coast AQMD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

2.1 Overall Construction (Maximum Daily Emission)

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					
2024	3.2433	32.4580	27.8806	0.0622	8.8460	1.3355	10.0755	4.5462	1.2287	5.6773	0.0000	6,023.2196	6,023.2196	1.9463	0.0484	6,072.6792
2025	1.8518	13.7495	19.0239	0.0291	6.6600e-003	0.5301	0.5367	2.6300e-003	0.4986	0.5012	0.0000	2,781.5929	2,781.5929	0.6509	0.0468	2,811.7939
2026	24.7947	14.9132	21.1425	0.0322	7.5100e-003	0.5818	0.5893	2.9700e-003	0.5503	0.5533	0.0000	3,073.8375	3,073.8375	0.6711	0.0498	3,105.4439
2027	2.8949	22.3101	33.5111	0.0518	6.8200e-003	0.9484	0.9553	2.6900e-003	0.8835	0.8862	0.0000	4,982.2451	4,982.2451	1.3596	0.0448	5,029.5902
Maximum	**24.7947**	**32.4580**	**33.5111**	**0.0622**	**8.8460**	**1.3355**	**10.0755**	**4.5462**	**1.2287**	**5.6773**	**0.0000**	**6,023.2196**	**6,023.2196**	**1.9463**	**0.0498**	**6,072.6792**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**54.94**	**0.00**	**47.07**	**54.95**	**0.00**	**42.18**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

JPI Fontanta Apartments - HRA/LST - South Coast AQMD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

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	11.7347	6.5772	38.7085	0.0412		0.6983	0.6983		0.6983	0.6983	0.0000	7,931.0627	7,931.0627	0.2133	0.1442	7,979.3700
Energy	1.6900e-003	0.0154	0.0129	9.0000e-005		1.1700e-003	1.1700e-003		1.1700e-003	1.1700e-003		18.4801	18.4801	3.5000e-004	3.4000e-004	18.5899
Mobile	5.4752	6.0897	54.0987	0.1225	14.7241	0.0885	14.8126	3.9239	0.0823	4.0062		12,971.1298	12,971.1298	0.8242	0.5587	13,158.2198
Total	**17.2117**	**12.6823**	**92.8201**	**0.1638**	**14.7241**	**0.7880**	**15.5120**	**3.9239**	**0.7818**	**4.7057**	**0.0000**	**20,920.6726**	**20,920.6726**	**1.0378**	**0.7032**	**21,156.1797**

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	11.7347	6.5772	38.7085	0.0412		0.6983	0.6983		0.6983	0.6983	0.0000	7,931.0627	7,931.0627	0.2133	0.1442	7,979.3700
Energy	1.6900e-003	0.0154	0.0129	9.0000e-005		1.1700e-003	1.1700e-003		1.1700e-003	1.1700e-003		18.4801	18.4801	3.5000e-004	3.4000e-004	18.5899
Mobile	5.4752	6.0897	54.0987	0.1225	14.7241	0.0885	14.8126	3.9239	0.0823	4.0062		12,971.1298	12,971.1298	0.8242	0.5587	13,158.2198
Total	**17.2117**	**12.6823**	**92.8201**	**0.1638**	**14.7241**	**0.7880**	**15.5120**	**3.9239**	**0.7818**	**4.7057**	**0.0000**	**20,920.6726**	**20,920.6726**	**1.0378**	**0.7032**	**21,156.1797**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	9/4/2024	10/15/2024	5	30	
2	Grading	Grading	10/16/2024	11/29/2024	5	33	
3	Building Construction	Building Construction	12/2/2024	2/8/2027	5	571	
4	Architectural Coating	Architectural Coating	1/5/2026	7/6/2026	5	131	
5	Paving	Paving	1/7/2027	5/10/2027	5	88	

Acres of Grading (Site Preparation Phase): 45

Acres of Grading (Grading Phase): 99

Acres of Paving: 5.81

Residential Indoor: 885,638; Residential Outdoor: 295,213; Non-Residential Indoor: 27,225; Non-Residential Outdoor: 9,075; Striped Parking Area: 15,504 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading	Excavators	2	8.00	158	0.38
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Scrapers	2	8.00	367	0.48

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Paving	Pavers	2	8.00	130	0.42
Paving	Paving Equipment	2	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Site Preparation	7	18.00	6.00	0.00	0.00	0.00	0.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	6.00	0.00	0.00	0.00	0.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	430.00	92.00	0.00	0.00	0.00	0.00	LD_Mix	HDT_Mix	HHDT
Paving	6	16.00	0.00	0.00	0.00	0.00	0.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	86.00	0.00	0.00	0.00	0.00	0.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

JPI Fontanta Apartments - HRA/LST - South Coast AQMD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.2 Site Preparation - 2024

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					19.6570	0.0000	19.6570	10.1025	0.0000	10.1025			0.0000			0.0000
Off-Road	2.6609	27.1760	18.3356	0.0381		1.2294	1.2294		1.1310	1.1310		3,688.0100	3,688.0100	1.1928		3,717.8294
Total	**2.6609**	**27.1760**	**18.3356**	**0.0381**	**19.6570**	**1.2294**	**20.8864**	**10.1025**	**1.1310**	**11.2335**		**3,688.0100**	**3,688.0100**	**1.1928**		**3,717.8294**

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	0.0000
Vendor	3.5400e-003	0.0722	0.0581	9.0000e-005	1.6000e-004	4.0000e-005	2.0000e-004	6.0000e-005	4.0000e-005	1.0000e-004		9.7221	9.7221	3.2000e-004	1.5500e-003	10.1924
Worker	0.0195	7.9400e-003	0.0898	3.0000e-005	1.8000e-004	8.0000e-005	2.6000e-004	7.0000e-005	7.0000e-005	1.4000e-004		3.3740	3.3740	2.0500e-003	1.0300e-003	3.7317
Total	**0.0230**	**0.0802**	**0.1479**	**1.2000e-004**	**3.4000e-004**	**1.2000e-004**	**4.6000e-004**	**1.3000e-004**	**1.1000e-004**	**2.4000e-004**		**13.0961**	**13.0961**	**2.3700e-003**	**2.5800e-003**	**13.9240**

JPI Fontanta Apartments - HRA/LST - South Coast AQMD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.2 Site Preparation - 2024

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					8.8457	0.0000	8.8457	4.5461	0.0000	4.5461			0.0000			0.0000
Off-Road	2.6609	27.1760	18.3356	0.0381		1.2294	1.2294		1.1310	1.1310	0.0000	3,688.0100	3,688.0100	1.1928		3,717.8294
Total	**2.6609**	**27.1760**	**18.3356**	**0.0381**	**8.8457**	**1.2294**	**10.0750**	**4.5461**	**1.1310**	**5.6771**	**0.0000**	**3,688.0100**	**3,688.0100**	**1.1928**		**3,717.8294**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	3.5400e-003	0.0722	0.0581	9.0000e-005	1.6000e-004	4.0000e-005	2.0000e-004	6.0000e-005	4.0000e-005	1.0000e-004		9.7221	9.7221	3.2000e-004	1.5500e-003	10.1924
Worker	0.0195	7.9400e-003	0.0898	3.0000e-005	1.8000e-004	8.0000e-005	2.6000e-004	7.0000e-005	7.0000e-005	1.4000e-004		3.3740	3.3740	2.0500e-003	1.0300e-003	3.7317
Total	**0.0230**	**0.0802**	**0.1479**	**1.2000e-004**	**3.4000e-004**	**1.2000e-004**	**4.6000e-004**	**1.3000e-004**	**1.1000e-004**	**2.4000e-004**		**13.0961**	**13.0961**	**2.3700e-003**	**2.5800e-003**	**13.9240**

JPI Fontanta Apartments - HRA/LST - South Coast AQMD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.3 Grading - 2024

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					9.2036	0.0000	9.2036	3.6538	0.0000	3.6538			0.0000			0.0000
Off-Road	3.2181	32.3770	27.7228	0.0621		1.3354	1.3354		1.2286	1.2286		6,009.7487	6,009.7487	1.9437		6,058.3405
Total	**3.2181**	**32.3770**	**27.7228**	**0.0621**	**9.2036**	**1.3354**	**10.5390**	**3.6538**	**1.2286**	**4.8823**		**6,009.7487**	**6,009.7487**	**1.9437**		**6,058.3405**

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	0.0000
Vendor	3.5400e-003	0.0722	0.0581	9.0000e-005	1.6000e-004	4.0000e-005	2.0000e-004	6.0000e-005	4.0000e-005	1.0000e-004		9.7221	9.7221	3.2000e-004	1.5500e-003	10.1924
Worker	0.0217	8.8200e-003	0.0998	4.0000e-005	2.0000e-004	9.0000e-005	2.9000e-004	8.0000e-005	8.0000e-005	1.6000e-004		3.7489	3.7489	2.2800e-003	1.1400e-003	4.1463
Total	**0.0252**	**0.0810**	**0.1578**	**1.3000e-004**	**3.6000e-004**	**1.3000e-004**	**4.9000e-004**	**1.4000e-004**	**1.2000e-004**	**2.6000e-004**		**13.4710**	**13.4710**	**2.6000e-003**	**2.6900e-003**	**14.3387**

JPI Fontanta Apartments - HRA/LST - South Coast AQMD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.3 Grading - 2024

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					4.1416	0.0000	4.1416	1.6442	0.0000	1.6442			0.0000			0.0000
Off-Road	3.2181	32.3770	27.7228	0.0621		1.3354	1.3354		1.2286	1.2286	0.0000	6,009.7487	6,009.7487	1.9437		6,058.3405
Total	**3.2181**	**32.3770**	**27.7228**	**0.0621**	**4.1416**	**1.3354**	**5.4770**	**1.6442**	**1.2286**	**2.8728**	**0.0000**	**6,009.7487**	**6,009.7487**	**1.9437**		**6,058.3405**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	3.5400e-003	0.0722	0.0581	9.0000e-005	1.6000e-004	4.0000e-005	2.0000e-004	6.0000e-005	4.0000e-005	1.0000e-004		9.7221	9.7221	3.2000e-004	1.5500e-003	10.1924
Worker	0.0217	8.8200e-003	0.0998	4.0000e-005	2.0000e-004	9.0000e-005	2.9000e-004	8.0000e-005	8.0000e-005	1.6000e-004		3.7489	3.7489	2.2800e-003	1.1400e-003	4.1463
Total	**0.0252**	**0.0810**	**0.1578**	**1.3000e-004**	**3.6000e-004**	**1.3000e-004**	**4.9000e-004**	**1.4000e-004**	**1.2000e-004**	**2.6000e-004**		**13.4710**	**13.4710**	**2.6000e-003**	**2.6900e-003**	**14.3387**

JPI Fontanta Apartments - HRA/LST - South Coast AQMD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.4 Building Construction - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4716	13.4438	16.1668	0.0270		0.6133	0.6133		0.5769	0.5769		2,555.6989	2,555.6989	0.6044		2,570.8077
Total	**1.4716**	**13.4438**	**16.1668**	**0.0270**		**0.6133**	**0.6133**		**0.5769**	**0.5769**		**2,555.6989**	**2,555.6989**	**0.6044**		**2,570.8077**

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	0.0000
Vendor	0.0542	1.1072	0.8903	1.3900e-003	2.4200e-003	6.6000e-004	3.0800e-003	9.5000e-004	6.3000e-004	1.5900e-003		149.0719	149.0719	4.9000e-003	0.0238	156.2827
Worker	0.4654	0.1897	2.1449	7.8000e-004	4.2400e-003	1.9200e-003	6.1600e-003	1.6800e-003	1.7600e-003	3.4500e-003		80.6007	80.6007	0.0489	0.0246	89.1459
Total	**0.5196**	**1.2969**	**3.0351**	**2.1700e-003**	**6.6600e-003**	**2.5800e-003**	**9.2400e-003**	**2.6300e-003**	**2.3900e-003**	**5.0400e-003**		**229.6726**	**229.6726**	**0.0538**	**0.0484**	**245.4286**

JPI Fontanta Apartments - HRA/LST - South Coast AQMD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.4 Building Construction - 2024

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4716	13.4438	16.1668	0.0270		0.6133	0.6133		0.5769	0.5769	0.0000	2,555.6989	2,555.6989	0.6044		2,570.8077
Total	**1.4716**	**13.4438**	**16.1668**	**0.0270**		**0.6133**	**0.6133**		**0.5769**	**0.5769**	**0.0000**	**2,555.6989**	**2,555.6989**	**0.6044**		**2,570.8077**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0542	1.1072	0.8903	1.3900e-003	2.4200e-003	6.6000e-004	3.0800e-003	9.5000e-004	6.3000e-004	1.5900e-003		149.0719	149.0719	4.9000e-003	0.0238	156.2827
Worker	0.4654	0.1897	2.1449	7.8000e-004	4.2400e-003	1.9200e-003	6.1600e-003	1.6800e-003	1.7600e-003	3.4500e-003		80.6007	80.6007	0.0489	0.0246	89.1459
Total	**0.5196**	**1.2969**	**3.0351**	**2.1700e-003**	**6.6600e-003**	**2.5800e-003**	**9.2400e-003**	**2.6300e-003**	**2.3900e-003**	**5.0400e-003**		**229.6726**	**229.6726**	**0.0538**	**0.0484**	**245.4286**

JPI Fontanta Apartments - HRA/LST - South Coast AQMD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.4 Building Construction - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.4744	2,556.4744	0.6010		2,571.4981
Total	**1.3674**	**12.4697**	**16.0847**	**0.0270**		**0.5276**	**0.5276**		**0.4963**	**0.4963**		**2,556.4744**	**2,556.4744**	**0.6010**		**2,571.4981**

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	0.0000
Vendor	0.0536	1.1036	0.8807	1.3600e-003	2.4200e-003	6.5000e-004	3.0700e-003	9.5000e-004	6.2000e-004	1.5700e-003		146.4678	146.4678	4.8400e-003	0.0234	153.5549
Worker	0.4309	0.1763	2.0586	7.5000e-004	4.2400e-003	1.8400e-003	6.0900e-003	1.6800e-003	1.6900e-003	3.3800e-003		78.6507	78.6507	0.0451	0.0234	86.7409
Total	**0.4844**	**1.2799**	**2.9392**	**2.1100e-003**	**6.6600e-003**	**2.4900e-003**	**9.1600e-003**	**2.6300e-003**	**2.3100e-003**	**4.9500e-003**		**225.1185**	**225.1185**	**0.0499**	**0.0468**	**240.2958**

JPI Fontanta Apartments - HRA/LST - South Coast AQMD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.4 Building Construction - 2025

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963	0.0000	2,556.4744	2,556.4744	0.6010		2,571.4981
Total	**1.3674**	**12.4697**	**16.0847**	**0.0270**		**0.5276**	**0.5276**		**0.4963**	**0.4963**	**0.0000**	**2,556.4744**	**2,556.4744**	**0.6010**		**2,571.4981**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0536	1.1036	0.8807	1.3600e-003	2.4200e-003	6.5000e-004	3.0700e-003	9.5000e-004	6.2000e-004	1.5700e-003		146.4678	146.4678	4.8400e-003	0.0234	153.5549
Worker	0.4309	0.1763	2.0586	7.5000e-004	4.2400e-003	1.8400e-003	6.0900e-003	1.6800e-003	1.6900e-003	3.3800e-003		78.6507	78.6507	0.0451	0.0234	86.7409
Total	**0.4844**	**1.2799**	**2.9392**	**2.1100e-003**	**6.6600e-003**	**2.4900e-003**	**9.1600e-003**	**2.6300e-003**	**2.3100e-003**	**4.9500e-003**		**225.1185**	**225.1185**	**0.0499**	**0.0468**	**240.2958**

JPI Fontanta Apartments - HRA/LST - South Coast AQMD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.4 Building Construction - 2026

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.4744	2,556.4744	0.6010		2,571.4981
Total	**1.3674**	**12.4697**	**16.0847**	**0.0270**		**0.5276**	**0.5276**		**0.4963**	**0.4963**		**2,556.4744**	**2,556.4744**	**0.6010**		**2,571.4981**

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	0.0000
Vendor	0.0530	1.1001	0.8722	1.3400e-003	2.4200e-003	6.3000e-004	3.0500e-003	9.5000e-004	6.0000e-004	1.5500e-003		143.7353	143.7353	4.7900e-003	0.0230	150.6933
Worker	0.4002	0.1650	1.9804	7.3000e-004	4.2400e-003	1.7600e-003	6.0100e-003	1.6800e-003	1.6200e-003	3.3100e-003		76.8165	76.8165	0.0417	0.0224	84.5172
Total	**0.4532**	**1.2650**	**2.8526**	**2.0700e-003**	**6.6600e-003**	**2.3900e-003**	**9.0600e-003**	**2.6300e-003**	**2.2200e-003**	**4.8600e-003**		**220.5518**	**220.5518**	**0.0465**	**0.0453**	**235.2105**

JPI Fontanta Apartments - HRA/LST - South Coast AQMD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.4 Building Construction - 2026

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963	0.0000	2,556.4744	2,556.4744	0.6010		2,571.4981
Total	**1.3674**	**12.4697**	**16.0847**	**0.0270**		**0.5276**	**0.5276**		**0.4963**	**0.4963**	**0.0000**	**2,556.4744**	**2,556.4744**	**0.6010**		**2,571.4981**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0530	1.1001	0.8722	1.3400e-003	2.4200e-003	6.3000e-004	3.0500e-003	9.5000e-004	6.0000e-004	1.5500e-003		143.7353	143.7353	4.7900e-003	0.0230	150.6933
Worker	0.4002	0.1650	1.9804	7.3000e-004	4.2400e-003	1.7600e-003	6.0100e-003	1.6800e-003	1.6200e-003	3.3100e-003		76.8165	76.8165	0.0417	0.0224	84.5172
Total	**0.4532**	**1.2650**	**2.8526**	**2.0700e-003**	**6.6600e-003**	**2.3900e-003**	**9.0600e-003**	**2.6300e-003**	**2.2200e-003**	**4.8600e-003**		**220.5518**	**220.5518**	**0.0465**	**0.0453**	**235.2105**

JPI Fontanta Apartments - HRA/LST - South Coast AQMD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.4 Building Construction - 2027

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.4744	2,556.4744	0.6010		2,571.4981
Total	**1.3674**	**12.4697**	**16.0847**	**0.0270**		**0.5276**	**0.5276**		**0.4963**	**0.4963**		**2,556.4744**	**2,556.4744**	**0.6010**		**2,571.4981**

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	0.0000
Vendor	0.0525	1.0975	0.8653	1.3100e-003	2.4200e-003	6.1000e-004	3.0300e-003	9.5000e-004	5.9000e-004	1.5400e-003		141.0481	141.0481	4.7500e-003	0.0225	147.8797
Worker	0.3731	0.1555	1.9120	7.1000e-004	4.2400e-003	1.6800e-003	5.9200e-003	1.6800e-003	1.5400e-003	3.2200e-003		75.1800	75.1800	0.0387	0.0215	82.5528
Total	**0.4255**	**1.2530**	**2.7773**	**2.0200e-003**	**6.6600e-003**	**2.2900e-003**	**8.9500e-003**	**2.6300e-003**	**2.1300e-003**	**4.7600e-003**		**216.2282**	**216.2282**	**0.0435**	**0.0440**	**230.4326**

JPI Fontanta Apartments - HRA/LST - South Coast AQMD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.4 Building Construction - 2027

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963	0.0000	2,556.4744	2,556.4744	0.6010		2,571.4981
Total	**1.3674**	**12.4697**	**16.0847**	**0.0270**		**0.5276**	**0.5276**		**0.4963**	**0.4963**	**0.0000**	**2,556.4744**	**2,556.4744**	**0.6010**		**2,571.4981**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0525	1.0975	0.8653	1.3100e-003	2.4200e-003	6.1000e-004	3.0300e-003	9.5000e-004	5.9000e-004	1.5400e-003		141.0481	141.0481	4.7500e-003	0.0225	147.8797
Worker	0.3731	0.1555	1.9120	7.1000e-004	4.2400e-003	1.6800e-003	5.9200e-003	1.6800e-003	1.5400e-003	3.2200e-003		75.1800	75.1800	0.0387	0.0215	82.5528
Total	**0.4255**	**1.2530**	**2.7773**	**2.0200e-003**	**6.6600e-003**	**2.2900e-003**	**8.9500e-003**	**2.6300e-003**	**2.1300e-003**	**4.7600e-003**		**216.2282**	**216.2282**	**0.0435**	**0.0440**	**230.4326**

JPI Fontanta Apartments - HRA/LST - South Coast AQMD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.5 Architectural Coating - 2026

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	22.7232					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1709	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515		281.4481	281.4481	0.0154		281.8319
Total	**22.8940**	**1.1455**	**1.8091**	**2.9700e-003**		**0.0515**	**0.0515**		**0.0515**	**0.0515**		**281.4481**	**281.4481**	**0.0154**		**281.8319**

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	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
Worker	0.0801	0.0330	0.3961	1.5000e-004	8.5000e-004	3.5000e-004	1.2000e-003	3.4000e-004	3.2000e-004	6.6000e-004		15.3633	15.3633	8.3300e-003	4.4700e-003	16.9035
Total	**0.0801**	**0.0330**	**0.3961**	**1.5000e-004**	**8.5000e-004**	**3.5000e-004**	**1.2000e-003**	**3.4000e-004**	**3.2000e-004**	**6.6000e-004**		**15.3633**	**15.3633**	**8.3300e-003**	**4.4700e-003**	**16.9035**

JPI Fontanta Apartments - HRA/LST - South Coast AQMD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.5 Architectural Coating - 2026

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	22.7232					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1709	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515	0.0000	281.4481	281.4481	0.0154		281.8319
Total	**22.8940**	**1.1455**	**1.8091**	**2.9700e-003**		**0.0515**	**0.0515**		**0.0515**	**0.0515**	**0.0000**	**281.4481**	**281.4481**	**0.0154**		**281.8319**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
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
Worker	0.0801	0.0330	0.3961	1.5000e-004	8.5000e-004	3.5000e-004	1.2000e-003	3.4000e-004	3.2000e-004	6.6000e-004		15.3633	15.3633	8.3300e-003	4.4700e-003	16.9035
Total	**0.0801**	**0.0330**	**0.3961**	**1.5000e-004**	**8.5000e-004**	**3.5000e-004**	**1.2000e-003**	**3.4000e-004**	**3.2000e-004**	**6.6000e-004**		**15.3633**	**15.3633**	**8.3300e-003**	**4.4700e-003**	**16.9035**

JPI Fontanta Apartments - HRA/LST - South Coast AQMD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.6 Paving - 2027

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	0.9152	8.5816	14.5780	0.0228		0.4185	0.4185		0.3850	0.3850		2,206.7452	2,206.7452	0.7137		2,224.5878
Paving	0.1730					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.0881**	**8.5816**	**14.5780**	**0.0228**		**0.4185**	**0.4185**		**0.3850**	**0.3850**		**2,206.7452**	**2,206.7452**	**0.7137**		**2,224.5878**

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	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
Worker	0.0139	5.7800e-003	0.0711	3.0000e-005	1.6000e-004	6.0000e-005	2.2000e-004	6.0000e-005	6.0000e-005	1.2000e-004		2.7974	2.7974	1.4400e-003	8.0000e-004	3.0717
Total	**0.0139**	**5.7800e-003**	**0.0711**	**3.0000e-005**	**1.6000e-004**	**6.0000e-005**	**2.2000e-004**	**6.0000e-005**	**6.0000e-005**	**1.2000e-004**		**2.7974**	**2.7974**	**1.4400e-003**	**8.0000e-004**	**3.0717**

JPI Fontanta Apartments - HRA/LST - South Coast AQMD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.6 Paving - 2027

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	0.9152	8.5816	14.5780	0.0228		0.4185	0.4185		0.3850	0.3850	0.0000	2,206.7452	2,206.7452	0.7137		2,224.5878
Paving	0.1730					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.0881**	**8.5816**	**14.5780**	**0.0228**		**0.4185**	**0.4185**		**0.3850**	**0.3850**	**0.0000**	**2,206.7452**	**2,206.7452**	**0.7137**		**2,224.5878**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
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
Worker	0.0139	5.7800e-003	0.0711	3.0000e-005	1.6000e-004	6.0000e-005	2.2000e-004	6.0000e-005	6.0000e-005	1.2000e-004		2.7974	2.7974	1.4400e-003	8.0000e-004	3.0717
Total	**0.0139**	**5.7800e-003**	**0.0711**	**3.0000e-005**	**1.6000e-004**	**6.0000e-005**	**2.2000e-004**	**6.0000e-005**	**6.0000e-005**	**1.2000e-004**		**2.7974**	**2.7974**	**1.4400e-003**	**8.0000e-004**	**3.0717**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	5.4752	6.0897	54.0987	0.1225	14.7241	0.0885	14.8126	3.9239	0.0823	4.0062		12,971.1298	12,971.1298	0.8242	0.5587	13,158.2198
Unmitigated	5.4752	6.0897	54.0987	0.1225	14.7241	0.0885	14.8126	3.9239	0.0823	4.0062		12,971.1298	12,971.1298	0.8242	0.5587	13,158.2198

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Mid Rise	1,983.98	1,791.70	1490.17	6,315,144	6,315,144
General Office Building	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Strip Mall	186.00	176.44	85.76	314,983	314,983
Total	2,169.98	1,968.14	1,575.93	6,630,127	6,630,127

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Apartments Mid Rise	14.55	5.53	8.50	40.20	19.20	40.60	86	11	3
General Office Building	16.60	8.40	6.90	33.00	48.00	19.00	77	19	4
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Strip Mall	15.00	8.40	6.90	16.60	64.40	19.00	45	40	15

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Mid Rise	0.540015	0.063309	0.186717	0.127205	0.023780	0.006682	0.012512	0.009167	0.000820	0.000485	0.025014	0.000756	0.003538
General Office Building	0.540015	0.063309	0.186717	0.127205	0.023780	0.006682	0.012512	0.009167	0.000820	0.000485	0.025014	0.000756	0.003538
Parking Lot	0.540015	0.063309	0.186717	0.127205	0.023780	0.006682	0.012512	0.009167	0.000820	0.000485	0.025014	0.000756	0.003538
Strip Mall	0.540015	0.063309	0.186717	0.127205	0.023780	0.006682	0.012512	0.009167	0.000820	0.000485	0.025014	0.000756	0.003538

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Percent of Electricity Use Generated with Renewable 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	1.6900e-003	0.0154	0.0129	9.0000e-005		1.1700e-003	1.1700e-003		1.1700e-003	1.1700e-003		18.4801	18.4801	3.5000e-004	3.4000e-004	18.5899
NaturalGas Unmitigated	1.6900e-003	0.0154	0.0129	9.0000e-005		1.1700e-003	1.1700e-003		1.1700e-003	1.1700e-003		18.4801	18.4801	3.5000e-004	3.4000e-004	18.5899

JPI Fontanta Apartments - HRA/LST - South Coast AQMD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

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					
Apartments Mid Rise	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
General Office Building	132.971	1.4300e-003	0.0130	0.0110	8.0000e-005		9.9000e-004	9.9000e-004		9.9000e-004	9.9000e-004		15.6437	15.6437	3.0000e-004	2.9000e-004	15.7366
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Strip Mall	24.1096	2.6000e-004	2.3600e-003	1.9900e-003	1.0000e-005		1.8000e-004	1.8000e-004		1.8000e-004	1.8000e-004		2.8364	2.8364	5.0000e-005	5.0000e-005	2.8533
Total		**1.6900e-003**	**0.0154**	**0.0129**	**9.0000e-005**		**1.1700e-003**	**1.1700e-003**		**1.1700e-003**	**1.1700e-003**		**18.4801**	**18.4801**	**3.5000e-004**	**3.4000e-004**	**18.5899**

JPI Fontanta Apartments - HRA/LST - South Coast AQMD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

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					
Apartments Mid Rise	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
General Office Building	0.132971	1.4300e-003	0.0130	0.0110	8.0000e-005		9.9000e-004	9.9000e-004		9.9000e-004	9.9000e-004		15.6437	15.6437	3.0000e-004	2.9000e-004	15.7366
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Strip Mall	0.0241096	2.6000e-004	2.3600e-003	1.9900e-003	1.0000e-005		1.8000e-004	1.8000e-004		1.8000e-004	1.8000e-004		2.8364	2.8364	5.0000e-005	5.0000e-005	2.8533
Total		**1.6900e-003**	**0.0154**	**0.0129**	**9.0000e-005**		**1.1700e-003**	**1.1700e-003**		**1.1700e-003**	**1.1700e-003**		**18.4801**	**18.4801**	**3.5000e-004**	**3.4000e-004**	**18.5899**

6.0 Area Detail

6.1 Mitigation Measures Area

JPI Fontanta Apartments - HRA/LST - South Coast AQMD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	11.7347	6.5772	38.7085	0.0412		0.6983	0.6983		0.6983	0.6983	0.0000	7,931.0627	7,931.0627	0.2133	0.1442	7,979.3700
Unmitigated	11.7347	6.5772	38.7085	0.0412		0.6983	0.6983		0.6983	0.6983	0.0000	7,931.0627	7,931.0627	0.2133	0.1442	7,979.3700

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.8155					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	9.1105					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.7211	6.1617	2.6220	0.0393		0.4982	0.4982		0.4982	0.4982	0.0000	7,866.0000	7,866.0000	0.1508	0.1442	7,912.7437
Landscaping	1.0877	0.4155	36.0865	1.9100e-003		0.2001	0.2001		0.2001	0.2001		65.0627	65.0627	0.0625		66.6263
Total	**11.7347**	**6.5772**	**38.7085**	**0.0412**		**0.6983**	**0.6983**		**0.6983**	**0.6983**	**0.0000**	**7,931.0627**	**7,931.0627**	**0.2133**	**0.1442**	**7,979.3700**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.8155					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	9.1105					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.7211	6.1617	2.6220	0.0393		0.4982	0.4982		0.4982	0.4982	0.0000	7,866.0000	7,866.0000	0.1508	0.1442	7,912.7437
Landscaping	1.0877	0.4155	36.0865	1.9100e-003		0.2001	0.2001		0.2001	0.2001		65.0627	65.0627	0.0625		66.6263
Total	**11.7347**	**6.5772**	**38.7085**	**0.0412**		**0.6983**	**0.6983**		**0.6983**	**0.6983**	**0.0000**	**7,931.0627**	**7,931.0627**	**0.2133**	**0.1442**	**7,979.3700**

7.0 Water Detail

7.1 Mitigation Measures Water

Install Low Flow Bathroom Faucet

Install Low Flow Kitchen Faucet

Install Low Flow Toilet

Install Low Flow Shower

Use Water Efficient Irrigation System

JPI Fontanta Apartments - HRA/LST - South Coast AQMD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

8.0 Waste Detail

8.1 Mitigation Measures Waste

Institute Recycling and Composting Services

9.0 Operational Offroad

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

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

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

Boilers

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

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

JPI Fontanta Apartments - HRA/LST - South Coast AQMD Air District, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

JPI Fontanta Apartments - HRA/LST

South Coast AQMD Air District, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	14.15	1000sqft	0.32	14,150.00	0
Parking Lot	646.00	Space	5.81	258,400.00	0
Apartments Mid Rise	437.00	Dwelling Unit	11.50	437,352.00	1250
Strip Mall	4.00	1000sqft	0.09	4,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	31
Climate Zone	10			**Operational Year**	2027
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	390.98	**CH4 Intensity (lb/MWhr)**	0.033	**N2O Intensity (lb/MWhr)**	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics - Operational year 2027.

Land Use - Residential SF updated based on Site Plan.

Construction Phase - Construction schedule information provided by the project applicant.

Trips and VMT - Water trucks were added as vendor trucks during the site preparation and grading phases. trip distances were reduced for the LST/HRA analysis

Grading - CalEEMod defaults.

Architectural Coating - CalEEMod defaults.

Vehicle Trips - Based on Transportation analysis and VMT memorandum.

Vehicle Emission Factors - CalEEMod defaults.

JPI Fontanta Apartments - HRA/LST - South Coast AQMD Air District, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Vehicle Emission Factors - CalEEMod defaults.

Vehicle Emission Factors - CalEEMod defaults.

Woodstoves - in complinace with SCAQMD rules no wood stoves and only gas fireplaces.

Energy Use - Residential energy use was modfied to relect electricy only design.

Construction Off-road Equipment Mitigation - Compliacne with SCAQMD Rule 403.

Mobile Land Use Mitigation - Not applied.

Energy Mitigation - On-site Renewable energy reduction based on information provided by the project applicant.

Water Mitigation - Indoor/Outdoor water use reduction based on information provided by the project applicant.

Waste Mitigation - Solid waste reduction based on information provided by the project applicant and compliance with San Bernadino County Regional GHG reduction plan

Fleet Mix - CalEEMod defaults.

Area Coating - CalEEMod defaults.

Water And Wastewater - CalEEmod defaults.

Solid Waste - CalEEmod defaults.

Table Name	Column Name	Default Value	New Value
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstructionPhase	NumDays	20.00	131.00
tblConstructionPhase	NumDays	300.00	571.00
tblConstructionPhase	NumDays	30.00	33.00
tblConstructionPhase	NumDays	20.00	88.00
tblConstructionPhase	NumDays	10.00	30.00
tblEnergyUse	NT24E	3,054.10	3,525.70
tblEnergyUse	NT24NG	6,030.00	0.00
tblEnergyUse	T24E	164.47	3,234.18
tblEnergyUse	T24NG	8,352.17	0.00
tblFireplaces	NumberWood	21.85	0.00
tblLandUse	LandUseSquareFeet	437,000.00	437,352.00
tblTripsAndVMT	HaulingTripLength	20.00	0.00
tblTripsAndVMT	HaulingTripLength	20.00	0.00

JPI Fontanta Apartments - HRA/LST - South Coast AQMD Air District, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

tblTripsAndVMT	HaulingTripLength	20.00	0.00
tblTripsAndVMT	HaulingTripLength	20.00	0.00
tblTripsAndVMT	HaulingTripLength	20.00	0.00
tblTripsAndVMT	VendorTripLength	6.90	0.00
tblTripsAndVMT	VendorTripLength	6.90	0.00
tblTripsAndVMT	VendorTripLength	6.90	0.00
tblTripsAndVMT	VendorTripLength	6.90	0.00
tblTripsAndVMT	VendorTripLength	6.90	0.00
tblTripsAndVMT	VendorTripNumber	0.00	6.00
tblTripsAndVMT	VendorTripNumber	0.00	6.00
tblTripsAndVMT	WorkerTripLength	14.70	0.00
tblTripsAndVMT	WorkerTripLength	14.70	0.00
tblTripsAndVMT	WorkerTripLength	14.70	0.00
tblTripsAndVMT	WorkerTripLength	14.70	0.00
tblTripsAndVMT	WorkerTripLength	14.70	0.00
tblTripsAndVMT	WorkerTripNumber	429.00	430.00
tblTripsAndVMT	WorkerTripNumber	15.00	16.00
tblVehicleTrips	CW_TL	16.60	15.00
tblVehicleTrips	HO_TL	8.70	8.50
tblVehicleTrips	HS_TL	5.90	5.53
tblVehicleTrips	HW_TL	14.70	14.55
tblVehicleTrips	ST_TR	4.91	4.10
tblVehicleTrips	ST_TR	2.21	0.00
tblVehicleTrips	ST_TR	42.04	44.11
tblVehicleTrips	SU_TR	4.09	3.41
tblVehicleTrips	SU_TR	0.70	0.00
tblVehicleTrips	SU_TR	20.43	21.44
tblVehicleTrips	WD_TR	5.44	4.54
tblVehicleTrips	WD_TR	9.74	0.00

JPI Fontanta Apartments - HRA/LST - South Coast AQMD Air District, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

tblVehicleTrips	WD_TR	44.32	46.50
tblWoodstoves	NumberCatalytic	21.85	0.00
tblWoodstoves	NumberNoncatalytic	21.85	0.00

2.0 Emissions Summary

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2024	0.1156	1.1060	0.9475	1.9200e-003	0.4468	0.0473	0.4941	0.2119	0.0436	0.2555	0.0000	168.2989	168.2989	0.0520	5.5000e-004	169.7617
2025	0.2412	1.7891	2.4726	3.7900e-003	8.7000e-004	0.0692	0.0700	3.4000e-004	0.0651	0.0654	0.0000	329.1175	329.1175	0.0770	5.4500e-003	332.6668
2026	1.7420	1.8643	2.6054	3.9900e-003	9.3000e-004	0.0726	0.0735	3.7000e-004	0.0684	0.0688	0.0000	346.2177	346.2177	0.0780	5.5500e-003	349.8193
2027	0.0727	0.5626	0.8981	1.4000e-003	1.0000e-004	0.0256	0.0257	4.0000e-005	0.0237	0.0237	0.0000	122.1347	122.1347	0.0364	5.6000e-004	123.2132
Maximum	**1.7420**	**1.8643**	**2.6054**	**3.9900e-003**	**0.4468**	**0.0726**	**0.4941**	**0.2119**	**0.0684**	**0.2555**	**0.0000**	**346.2177**	**346.2177**	**0.0780**	**5.5500e-003**	**349.8193**

JPI Fontanta Apartments - HRA/LST - South Coast AQMD Air District, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

2.1 Overall Construction

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					
2024	0.1156	1.1060	0.9475	1.9200e-003	0.2011	0.0473	0.2484	0.0954	0.0436	0.1390	0.0000	168.2987	168.2987	0.0520	5.5000e-004	169.7615
2025	0.2412	1.7891	2.4726	3.7900e-003	8.7000e-004	0.0692	0.0700	3.4000e-004	0.0651	0.0654	0.0000	329.1171	329.1171	0.0770	5.4500e-003	332.6664
2026	1.7420	1.8643	2.6054	3.9900e-003	9.3000e-004	0.0726	0.0735	3.7000e-004	0.0684	0.0688	0.0000	346.2173	346.2173	0.0780	5.5500e-003	349.8190
2027	0.0727	0.5626	0.8981	1.4000e-003	1.0000e-004	0.0256	0.0257	4.0000e-005	0.0237	0.0237	0.0000	122.1346	122.1346	0.0364	5.6000e-004	123.2130
Maximum	**1.7420**	**1.8643**	**2.6054**	**3.9900e-003**	**0.2011**	**0.0726**	**0.2484**	**0.0954**	**0.0684**	**0.1390**	**0.0000**	**346.2173**	**346.2173**	**0.0780**	**5.5500e-003**	**349.8190**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**54.76**	**0.00**	**37.05**	**54.80**	**0.00**	**28.18**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	**9-4-2024**	**12-3-2024**	1.0348	1.0348
2	**12-4-2024**	**3-3-2025**	0.5128	0.5128
3	**3-4-2025**	**6-3-2025**	0.5118	0.5118
4	**6-4-2025**	**9-3-2025**	0.5115	0.5115
5	**9-4-2025**	**12-3-2025**	0.5067	0.5067
6	**12-4-2025**	**3-3-2026**	1.0008	1.0008
7	**3-4-2026**	**6-3-2026**	1.3040	1.3040
8	**6-4-2026**	**9-3-2026**	0.7946	0.7946

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

9	**9-4-2026**	**12-3-2026**	0.5052	0.5052
10	**12-4-2026**	**3-3-2027**	0.5655	0.5655
11	**3-4-2027**	**6-3-2027**	0.2353	0.2353
		Highest	1.3040	1.3040

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	1.9565	0.1290	4.5436	7.3000e-004		0.0312	0.0312		0.0312	0.0312	0.0000	96.5769	96.5769	8.8000e-003	1.6400e-003	97.2843
Energy	3.1000e-004	2.8100e-003	2.3600e-003	2.0000e-005		2.1000e-004	2.1000e-004		2.1000e-004	2.1000e-004	0.0000	632.1247	632.1247	0.0532	6.4900e-003	635.3881
Mobile	0.9318	1.0637	9.4347	0.0214	2.4963	0.0153	2.5115	0.6662	0.0142	0.6804	0.0000	2,053.7906	2,053.7906	0.1285	0.0880	2,083.2184
Waste						0.0000	0.0000		0.0000	0.0000	44.3292	0.0000	44.3292	2.6198	0.0000	109.8236
Water						0.0000	0.0000		0.0000	0.0000	9.9248	111.0022	120.9270	1.0287	0.0252	154.1568
Total	**2.8886**	**1.1955**	**13.9807**	**0.0221**	**2.4963**	**0.0467**	**2.5430**	**0.6662**	**0.0457**	**0.7119**	**54.2540**	**2,893.4945**	**2,947.7484**	**3.8389**	**0.1213**	**3,079.8712**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

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	1.9565	0.1290	4.5436	7.3000e-004		0.0312	0.0312		0.0312	0.0312	0.0000	96.5769	96.5769	8.8000e-003	1.6400e-003	97.2843
Energy	3.1000e-004	2.8100e-003	2.3600e-003	2.0000e-005		2.1000e-004	2.1000e-004		2.1000e-004	2.1000e-004	0.0000	393.0800	393.0800	0.0330	4.0500e-003	395.1102
Mobile	0.9318	1.0637	9.4347	0.0214	2.4963	0.0153	2.5115	0.6662	0.0142	0.6804	0.0000	2,053.7906	2,053.7906	0.1285	0.0880	2,083.2184
Waste						0.0000	0.0000		0.0000	0.0000	33.2469	0.0000	33.2469	1.9648	0.0000	82.3677
Water						0.0000	0.0000		0.0000	0.0000	7.9399	94.1897	102.1295	0.8235	0.0202	128.7411
Total	**2.8886**	**1.1955**	**13.9807**	**0.0221**	**2.4963**	**0.0467**	**2.5430**	**0.6662**	**0.0457**	**0.7119**	**41.1867**	**2,637.6372**	**2,678.8239**	**2.9585**	**0.1139**	**2,786.7217**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**24.09**	**8.84**	**9.12**	**22.93**	**6.12**	**9.52**

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	9/4/2024	10/15/2024	5	30	
2	Grading	Grading	10/16/2024	11/29/2024	5	33	
3	Building Construction	Building Construction	12/2/2024	2/8/2027	5	571	

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

4	Architectural Coating	Architectural Coating	1/5/2026	7/6/2026	5	131	
5	Paving	Paving	1/7/2027	5/10/2027	5	88	

Acres of Grading (Site Preparation Phase): 45

Acres of Grading (Grading Phase): 99

Acres of Paving: 5.81

Residential Indoor: 885,638; Residential Outdoor: 295,213; Non-Residential Indoor: 27,225; Non-Residential Outdoor: 9,075; Striped Parking Area: 15,504 (Architectural Coating – sqft)

OffRoad Equipment

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

Trips and VMT

JPI Fontanta Apartments - HRA/LST - South Coast AQMD Air District, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Site Preparation	7	18.00	6.00	0.00	0.00	0.00	0.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	6.00	0.00	0.00	0.00	0.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	430.00	92.00	0.00	0.00	0.00	0.00	LD_Mix	HDT_Mix	HHDT
Paving	6	16.00	0.00	0.00	0.00	0.00	0.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	86.00	0.00	0.00	0.00	0.00	0.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

3.2 Site Preparation - 2024

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					0.2949	0.0000	0.2949	0.1515	0.0000	0.1515	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0399	0.4076	0.2750	5.7000e-004		0.0184	0.0184		0.0170	0.0170	0.0000	50.1856	50.1856	0.0162	0.0000	50.5914
Total	**0.0399**	**0.4076**	**0.2750**	**5.7000e-004**	**0.2949**	**0.0184**	**0.3133**	**0.1515**	**0.0170**	**0.1685**	**0.0000**	**50.1856**	**50.1856**	**0.0162**	**0.0000**	**50.5914**

JPI Fontanta Apartments - HRA/LST - South Coast AQMD Air District, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.2 Site Preparation - 2024

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	6.0000e-005	1.0500e-003	8.5000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.1306	0.1306	0.0000	2.0000e-005	0.1369
Worker	2.9000e-004	1.2000e-004	1.3100e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0461	0.0461	3.0000e-005	1.0000e-005	0.0509
Total	**3.5000e-004**	**1.1700e-003**	**2.1600e-003**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.1767**	**0.1767**	**3.0000e-005**	**3.0000e-005**	**0.1878**

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					0.1327	0.0000	0.1327	0.0682	0.0000	0.0682	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0399	0.4076	0.2750	5.7000e-004		0.0184	0.0184		0.0170	0.0170	0.0000	50.1855	50.1855	0.0162	0.0000	50.5913
Total	**0.0399**	**0.4076**	**0.2750**	**5.7000e-004**	**0.1327**	**0.0184**	**0.1511**	**0.0682**	**0.0170**	**0.0852**	**0.0000**	**50.1855**	**50.1855**	**0.0162**	**0.0000**	**50.5913**

JPI Fontanta Apartments - HRA/LST - South Coast AQMD Air District, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.2 Site Preparation - 2024

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	6.0000e-005	1.0500e-003	8.5000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.1306	0.1306	0.0000	2.0000e-005	0.1369
Worker	2.9000e-004	1.2000e-004	1.3100e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0461	0.0461	3.0000e-005	1.0000e-005	0.0509
Total	**3.5000e-004**	**1.1700e-003**	**2.1600e-003**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.1767**	**0.1767**	**3.0000e-005**	**3.0000e-005**	**0.1878**

3.3 Grading - 2024

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					0.1519	0.0000	0.1519	0.0603	0.0000	0.0603	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0531	0.5342	0.4574	1.0200e-003		0.0220	0.0220		0.0203	0.0203	0.0000	89.9572	89.9572	0.0291	0.0000	90.6846
Total	**0.0531**	**0.5342**	**0.4574**	**1.0200e-003**	**0.1519**	**0.0220**	**0.1739**	**0.0603**	**0.0203**	**0.0806**	**0.0000**	**89.9572**	**89.9572**	**0.0291**	**0.0000**	**90.6846**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.3 Grading - 2024

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	6.0000e-005	1.1500e-003	9.3000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.1437	0.1437	0.0000	2.0000e-005	0.1506
Worker	3.5000e-004	1.4000e-004	1.6000e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0563	0.0563	3.0000e-005	2.0000e-005	0.0622
Total	**4.1000e-004**	**1.2900e-003**	**2.5300e-003**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.2000**	**0.2000**	**3.0000e-005**	**4.0000e-005**	**0.2128**

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					0.0683	0.0000	0.0683	0.0271	0.0000	0.0271	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0531	0.5342	0.4574	1.0200e-003		0.0220	0.0220		0.0203	0.0203	0.0000	89.9571	89.9571	0.0291	0.0000	90.6845
Total	**0.0531**	**0.5342**	**0.4574**	**1.0200e-003**	**0.0683**	**0.0220**	**0.0904**	**0.0271**	**0.0203**	**0.0474**	**0.0000**	**89.9571**	**89.9571**	**0.0291**	**0.0000**	**90.6845**

JPI Fontanta Apartments - HRA/LST - South Coast AQMD Air District, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.3 Grading - 2024

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	6.0000e-005	1.1500e-003	9.3000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.1437	0.1437	0.0000	2.0000e-005	0.1506
Worker	3.5000e-004	1.4000e-004	1.6000e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0563	0.0563	3.0000e-005	2.0000e-005	0.0622
Total	**4.1000e-004**	**1.2900e-003**	**2.5300e-003**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.2000**	**0.2000**	**3.0000e-005**	**4.0000e-005**	**0.2128**

3.4 Building Construction - 2024

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	0.0162	0.1479	0.1778	3.0000e-004		6.7500e-003	6.7500e-003		6.3500e-003	6.3500e-003	0.0000	25.5034	25.5034	6.0300e-003	0.0000	25.6542
Total	**0.0162**	**0.1479**	**0.1778**	**3.0000e-004**		**6.7500e-003**	**6.7500e-003**		**6.3500e-003**	**6.3500e-003**	**0.0000**	**25.5034**	**25.5034**	**6.0300e-003**	**0.0000**	**25.6542**

JPI Fontanta Apartments - HRA/LST - South Coast AQMD Air District, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.4 Building Construction - 2024

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	6.4000e-004	0.0118	9.5400e-003	2.0000e-005	3.0000e-005	1.0000e-005	3.0000e-005	1.0000e-005	1.0000e-005	2.0000e-005	0.0000	1.4687	1.4687	5.0000e-005	2.3000e-004	1.5398
Worker	5.0300e-003	2.0600e-003	0.0230	1.0000e-005	5.0000e-005	2.0000e-005	7.0000e-005	2.0000e-005	2.0000e-005	4.0000e-005	0.0000	0.8073	0.8073	4.8000e-004	2.4000e-004	0.8912
Total	**5.6700e-003**	**0.0138**	**0.0325**	**3.0000e-005**	**8.0000e-005**	**3.0000e-005**	**1.0000e-004**	**3.0000e-005**	**3.0000e-005**	**6.0000e-005**	**0.0000**	**2.2760**	**2.2760**	**5.3000e-004**	**4.7000e-004**	**2.4309**

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	0.0162	0.1479	0.1778	3.0000e-004		6.7500e-003	6.7500e-003		6.3500e-003	6.3500e-003	0.0000	25.5034	25.5034	6.0300e-003	0.0000	25.6541
Total	**0.0162**	**0.1479**	**0.1778**	**3.0000e-004**		**6.7500e-003**	**6.7500e-003**		**6.3500e-003**	**6.3500e-003**	**0.0000**	**25.5034**	**25.5034**	**6.0300e-003**	**0.0000**	**25.6541**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.4 Building Construction - 2024

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	6.4000e-004	0.0118	9.5400e-003	2.0000e-005	3.0000e-005	1.0000e-005	3.0000e-005	1.0000e-005	1.0000e-005	2.0000e-005	0.0000	1.4687	1.4687	5.0000e-005	2.3000e-004	1.5398
Worker	5.0300e-003	2.0600e-003	0.0230	1.0000e-005	5.0000e-005	2.0000e-005	7.0000e-005	2.0000e-005	2.0000e-005	4.0000e-005	0.0000	0.8073	0.8073	4.8000e-004	2.4000e-004	0.8912
Total	**5.6700e-003**	**0.0138**	**0.0325**	**3.0000e-005**	**8.0000e-005**	**3.0000e-005**	**1.0000e-004**	**3.0000e-005**	**3.0000e-005**	**6.0000e-005**	**0.0000**	**2.2760**	**2.2760**	**5.3000e-004**	**4.7000e-004**	**2.4309**

3.4 Building Construction - 2025

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	0.1785	1.6273	2.0991	3.5200e-003		0.0689	0.0689		0.0648	0.0648	0.0000	302.6549	302.6549	0.0711	0.0000	304.4335
Total	**0.1785**	**1.6273**	**2.0991**	**3.5200e-003**		**0.0689**	**0.0689**		**0.0648**	**0.0648**	**0.0000**	**302.6549**	**302.6549**	**0.0711**	**0.0000**	**304.4335**

JPI Fontanta Apartments - HRA/LST - South Coast AQMD Air District, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.4 Building Construction - 2025

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	7.4500e-003	0.1391	0.1120	1.8000e-004	3.2000e-004	8.0000e-005	3.9000e-004	1.2000e-004	7.0000e-005	2.0000e-004	0.0000	17.1167	17.1167	5.9000e-004	2.7300e-003	17.9453
Worker	0.0553	0.0227	0.2616	1.0000e-004	5.5000e-004	2.4000e-004	7.9000e-004	2.2000e-004	2.2000e-004	4.4000e-004	0.0000	9.3459	9.3459	5.2300e-003	2.7200e-003	10.2880
Total	**0.0627**	**0.1618**	**0.3735**	**2.8000e-004**	**8.7000e-004**	**3.2000e-004**	**1.1800e-003**	**3.4000e-004**	**2.9000e-004**	**6.4000e-004**	**0.0000**	**26.4626**	**26.4626**	**5.8200e-003**	**5.4500e-003**	**28.2333**

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	0.1784	1.6273	2.0991	3.5200e-003		0.0689	0.0689		0.0648	0.0648	0.0000	302.6545	302.6545	0.0711	0.0000	304.4331
Total	**0.1784**	**1.6273**	**2.0991**	**3.5200e-003**		**0.0689**	**0.0689**		**0.0648**	**0.0648**	**0.0000**	**302.6545**	**302.6545**	**0.0711**	**0.0000**	**304.4331**

JPI Fontanta Apartments - HRA/LST - South Coast AQMD Air District, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.4 Building Construction - 2025

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	7.4500e-003	0.1391	0.1120	1.8000e-004	3.2000e-004	8.0000e-005	3.9000e-004	1.2000e-004	7.0000e-005	2.0000e-004	0.0000	17.1167	17.1167	5.9000e-004	2.7300e-003	17.9453
Worker	0.0553	0.0227	0.2616	1.0000e-004	5.5000e-004	2.4000e-004	7.9000e-004	2.2000e-004	2.2000e-004	4.4000e-004	0.0000	9.3459	9.3459	5.2300e-003	2.7200e-003	10.2880
Total	**0.0627**	**0.1618**	**0.3735**	**2.8000e-004**	**8.7000e-004**	**3.2000e-004**	**1.1800e-003**	**3.4000e-004**	**2.9000e-004**	**6.4000e-004**	**0.0000**	**26.4626**	**26.4626**	**5.8200e-003**	**5.4500e-003**	**28.2333**

3.4 Building Construction - 2026

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	0.1785	1.6273	2.0991	3.5200e-003		0.0689	0.0689		0.0648	0.0648	0.0000	302.6549	302.6549	0.0711	0.0000	304.4335
Total	**0.1785**	**1.6273**	**2.0991**	**3.5200e-003**		**0.0689**	**0.0689**		**0.0648**	**0.0648**	**0.0000**	**302.6549**	**302.6549**	**0.0711**	**0.0000**	**304.4335**

JPI Fontanta Apartments - HRA/LST - South Coast AQMD Air District, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.4 Building Construction - 2026

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	7.3800e-003	0.1386	0.1109	1.7000e-004	3.2000e-004	8.0000e-005	3.9000e-004	1.2000e-004	7.0000e-005	2.0000e-004	0.0000	16.7945	16.7945	5.9000e-004	2.6800e-003	17.6079
Worker	0.0514	0.0213	0.2517	1.0000e-004	5.5000e-004	2.3000e-004	7.8000e-004	2.2000e-004	2.1000e-004	4.3000e-004	0.0000	9.1281	9.1281	4.8300e-003	2.6000e-003	10.0250
Total	**0.0588**	**0.1598**	**0.3626**	**2.7000e-004**	**8.7000e-004**	**3.1000e-004**	**1.1700e-003**	**3.4000e-004**	**2.8000e-004**	**6.3000e-004**	**0.0000**	**25.9227**	**25.9227**	**5.4200e-003**	**5.2800e-003**	**27.6329**

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	0.1784	1.6273	2.0991	3.5200e-003		0.0689	0.0689		0.0648	0.0648	0.0000	302.6545	302.6545	0.0711	0.0000	304.4331
Total	**0.1784**	**1.6273**	**2.0991**	**3.5200e-003**		**0.0689**	**0.0689**		**0.0648**	**0.0648**	**0.0000**	**302.6545**	**302.6545**	**0.0711**	**0.0000**	**304.4331**

JPI Fontanta Apartments - HRA/LST - South Coast AQMD Air District, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.4 Building Construction - 2026

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	7.3800e-003	0.1386	0.1109	1.7000e-004	3.2000e-004	8.0000e-005	3.9000e-004	1.2000e-004	7.0000e-005	2.0000e-004	0.0000	16.7945	16.7945	5.9000e-004	2.6800e-003	17.6079
Worker	0.0514	0.0213	0.2517	1.0000e-004	5.5000e-004	2.3000e-004	7.8000e-004	2.2000e-004	2.1000e-004	4.3000e-004	0.0000	9.1281	9.1281	4.8300e-003	2.6000e-003	10.0250
Total	**0.0588**	**0.1598**	**0.3626**	**2.7000e-004**	**8.7000e-004**	**3.1000e-004**	**1.1700e-003**	**3.4000e-004**	**2.8000e-004**	**6.3000e-004**	**0.0000**	**25.9227**	**25.9227**	**5.4200e-003**	**5.2800e-003**	**27.6329**

3.4 Building Construction - 2027

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	0.0185	0.1683	0.2171	3.6000e-004		7.1200e-003	7.1200e-003		6.7000e-003	6.7000e-003	0.0000	31.3091	31.3091	7.3600e-003	0.0000	31.4931
Total	**0.0185**	**0.1683**	**0.2171**	**3.6000e-004**		**7.1200e-003**	**7.1200e-003**		**6.7000e-003**	**6.7000e-003**	**0.0000**	**31.3091**	**31.3091**	**7.3600e-003**	**0.0000**	**31.4931**

JPI Fontanta Apartments - HRA/LST - South Coast AQMD Air District, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.4 Building Construction - 2027

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	7.6000e-004	0.0143	0.0114	2.0000e-005	3.0000e-005	1.0000e-005	4.0000e-005	1.0000e-005	1.0000e-005	2.0000e-005	0.0000	1.7046	1.7046	6.0000e-005	2.7000e-004	1.7872
Worker	4.9600e-003	2.0700e-003	0.0251	1.0000e-005	6.0000e-005	2.0000e-005	8.0000e-005	2.0000e-005	2.0000e-005	4.0000e-005	0.0000	0.9242	0.9242	4.6000e-004	2.6000e-004	1.0130
Total	**5.7200e-003**	**0.0164**	**0.0365**	**3.0000e-005**	**9.0000e-005**	**3.0000e-005**	**1.2000e-004**	**3.0000e-005**	**3.0000e-005**	**6.0000e-005**	**0.0000**	**2.6288**	**2.6288**	**5.2000e-004**	**5.3000e-004**	**2.8003**

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	0.0185	0.1683	0.2171	3.6000e-004		7.1200e-003	7.1200e-003		6.7000e-003	6.7000e-003	0.0000	31.3091	31.3091	7.3600e-003	0.0000	31.4931
Total	**0.0185**	**0.1683**	**0.2171**	**3.6000e-004**		**7.1200e-003**	**7.1200e-003**		**6.7000e-003**	**6.7000e-003**	**0.0000**	**31.3091**	**31.3091**	**7.3600e-003**	**0.0000**	**31.4931**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.4 Building Construction - 2027

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	7.6000e-004	0.0143	0.0114	2.0000e-005	3.0000e-005	1.0000e-005	4.0000e-005	1.0000e-005	1.0000e-005	2.0000e-005	0.0000	1.7046	1.7046	6.0000e-005	2.7000e-004	1.7872
Worker	4.9600e-003	2.0700e-003	0.0251	1.0000e-005	6.0000e-005	2.0000e-005	8.0000e-005	2.0000e-005	2.0000e-005	4.0000e-005	0.0000	0.9242	0.9242	4.6000e-004	2.6000e-004	1.0130
Total	**5.7200e-003**	**0.0164**	**0.0365**	**3.0000e-005**	**9.0000e-005**	**3.0000e-005**	**1.2000e-004**	**3.0000e-005**	**3.0000e-005**	**6.0000e-005**	**0.0000**	**2.6288**	**2.6288**	**5.2000e-004**	**5.3000e-004**	**2.8003**

3.5 Architectural Coating - 2026

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	1.4884					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0112	0.0750	0.1185	1.9000e-004		3.3700e-003	3.3700e-003		3.3700e-003	3.3700e-003	0.0000	16.7238	16.7238	9.1000e-004	0.0000	16.7466
Total	**1.4996**	**0.0750**	**0.1185**	**1.9000e-004**		**3.3700e-003**	**3.3700e-003**		**3.3700e-003**	**3.3700e-003**	**0.0000**	**16.7238**	**16.7238**	**9.1000e-004**	**0.0000**	**16.7466**

JPI Fontanta Apartments - HRA/LST - South Coast AQMD Air District, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.5 Architectural Coating - 2026

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	5.1600e-003	2.1400e-003	0.0253	1.0000e-005	6.0000e-005	2.0000e-005	8.0000e-005	2.0000e-005	2.0000e-005	4.0000e-005	0.0000	0.9163	0.9163	4.8000e-004	2.6000e-004	1.0063
Total	**5.1600e-003**	**2.1400e-003**	**0.0253**	**1.0000e-005**	**6.0000e-005**	**2.0000e-005**	**8.0000e-005**	**2.0000e-005**	**2.0000e-005**	**4.0000e-005**	**0.0000**	**0.9163**	**0.9163**	**4.8000e-004**	**2.6000e-004**	**1.0063**

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	1.4884					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0112	0.0750	0.1185	1.9000e-004		3.3700e-003	3.3700e-003		3.3700e-003	3.3700e-003	0.0000	16.7238	16.7238	9.1000e-004	0.0000	16.7466
Total	**1.4996**	**0.0750**	**0.1185**	**1.9000e-004**		**3.3700e-003**	**3.3700e-003**		**3.3700e-003**	**3.3700e-003**	**0.0000**	**16.7238**	**16.7238**	**9.1000e-004**	**0.0000**	**16.7466**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.5 Architectural Coating - 2026

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	5.1600e-003	2.1400e-003	0.0253	1.0000e-005	6.0000e-005	2.0000e-005	8.0000e-005	2.0000e-005	2.0000e-005	4.0000e-005	0.0000	0.9163	0.9163	4.8000e-004	2.6000e-004	1.0063
Total	**5.1600e-003**	**2.1400e-003**	**0.0253**	**1.0000e-005**	**6.0000e-005**	**2.0000e-005**	**8.0000e-005**	**2.0000e-005**	**2.0000e-005**	**4.0000e-005**	**0.0000**	**0.9163**	**0.9163**	**4.8000e-004**	**2.6000e-004**	**1.0063**

3.6 Paving - 2027

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	0.0403	0.3776	0.6414	1.0000e-003		0.0184	0.0184		0.0169	0.0169	0.0000	88.0847	88.0847	0.0285	0.0000	88.7969
Paving	7.6100e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0479**	**0.3776**	**0.6414**	**1.0000e-003**		**0.0184**	**0.0184**		**0.0169**	**0.0169**	**0.0000**	**88.0847**	**88.0847**	**0.0285**	**0.0000**	**88.7969**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.6 Paving - 2027

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	6.0000e-004	2.5000e-004	3.0500e-003	0.0000	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0000	1.0000e-005	0.0000	0.1121	0.1121	6.0000e-005	3.0000e-005	0.1229
Total	**6.0000e-004**	**2.5000e-004**	**3.0500e-003**	**0.0000**	**1.0000e-005**	**0.0000**	**1.0000e-005**	**0.0000**	**0.0000**	**1.0000e-005**	**0.0000**	**0.1121**	**0.1121**	**6.0000e-005**	**3.0000e-005**	**0.1229**

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	0.0403	0.3776	0.6414	1.0000e-003		0.0184	0.0184		0.0169	0.0169	0.0000	88.0846	88.0846	0.0285	0.0000	88.7968
Paving	7.6100e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0479**	**0.3776**	**0.6414**	**1.0000e-003**		**0.0184**	**0.0184**		**0.0169**	**0.0169**	**0.0000**	**88.0846**	**88.0846**	**0.0285**	**0.0000**	**88.7968**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.6 Paving - 2027

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	6.0000e-004	2.5000e-004	3.0500e-003	0.0000	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0000	1.0000e-005	0.0000	0.1121	0.1121	6.0000e-005	3.0000e-005	0.1229
Total	**6.0000e-004**	**2.5000e-004**	**3.0500e-003**	**0.0000**	**1.0000e-005**	**0.0000**	**1.0000e-005**	**0.0000**	**0.0000**	**1.0000e-005**	**0.0000**	**0.1121**	**0.1121**	**6.0000e-005**	**3.0000e-005**	**0.1229**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

	ROG	NOx	CO	SO2	Fugitive 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	0.9318	1.0637	9.4347	0.0214	2.4963	0.0153	2.5115	0.6662	0.0142	0.6804	0.0000	2,053.7906	2,053.7906	0.1285	0.0880	2,083.2184
Unmitigated	0.9318	1.0637	9.4347	0.0214	2.4963	0.0153	2.5115	0.6662	0.0142	0.6804	0.0000	2,053.7906	2,053.7906	0.1285	0.0880	2,083.2184

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Mid Rise	1,983.98	1,791.70	1490.17	6,315,144	6,315,144
General Office Building	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Strip Mall	186.00	176.44	85.76	314,983	314,983
Total	2,169.98	1,968.14	1,575.93	6,630,127	6,630,127

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Apartments Mid Rise	14.55	5.53	8.50	40.20	19.20	40.60	86	11	3
General Office Building	16.60	8.40	6.90	33.00	48.00	19.00	77	19	4
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Strip Mall	15.00	8.40	6.90	16.60	64.40	19.00	45	40	15

4.4 Fleet Mix

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Mid Rise	0.540015	0.063309	0.186717	0.127205	0.023780	0.006682	0.012512	0.009167	0.000820	0.000485	0.025014	0.000756	0.003538
General Office Building	0.540015	0.063309	0.186717	0.127205	0.023780	0.006682	0.012512	0.009167	0.000820	0.000485	0.025014	0.000756	0.003538
Parking Lot	0.540015	0.063309	0.186717	0.127205	0.023780	0.006682	0.012512	0.009167	0.000820	0.000485	0.025014	0.000756	0.003538
Strip Mall	0.540015	0.063309	0.186717	0.127205	0.023780	0.006682	0.012512	0.009167	0.000820	0.000485	0.025014	0.000756	0.003538

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Percent of Electricity Use Generated with Renewable 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	390.0204	390.0204	0.0329	3.9900e-003	392.0324
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	629.0651	629.0651	0.0531	6.4400e-003	632.3103
NaturalGas Mitigated	3.1000e-004	2.8100e-003	2.3600e-003	2.0000e-005		2.1000e-004	2.1000e-004		2.1000e-004	2.1000e-004	0.0000	3.0596	3.0596	6.0000e-005	6.0000e-005	3.0778
NaturalGas Unmitigated	3.1000e-004	2.8100e-003	2.3600e-003	2.0000e-005		2.1000e-004	2.1000e-004		2.1000e-004	2.1000e-004	0.0000	3.0596	3.0596	6.0000e-005	6.0000e-005	3.0778

JPI Fontanta Apartments - HRA/LST - South Coast AQMD Air District, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

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					
Apartments Mid Rise	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
General Office Building	48534.5	2.6000e-004	2.3800e-003	2.0000e-003	1.0000e-005		1.8000e-004	1.8000e-004		1.8000e-004	1.8000e-004	0.0000	2.5900	2.5900	5.0000e-005	5.0000e-005	2.6054
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Strip Mall	8800	5.0000e-005	4.3000e-004	3.6000e-004	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005	0.0000	0.4696	0.4696	1.0000e-005	1.0000e-005	0.4724
Total		**3.1000e-004**	**2.8100e-003**	**2.3600e-003**	**1.0000e-005**		**2.1000e-004**	**2.1000e-004**		**2.1000e-004**	**2.1000e-004**	**0.0000**	**3.0596**	**3.0596**	**6.0000e-005**	**6.0000e-005**	**3.0778**

JPI Fontanta Apartments - HRA/LST - South Coast AQMD Air District, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

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					
Apartments Mid Rise	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
General Office Building	48534.5	2.6000e-004	2.3800e-003	2.0000e-003	1.0000e-005		1.8000e-004	1.8000e-004		1.8000e-004	1.8000e-004	0.0000	2.5900	2.5900	5.0000e-005	5.0000e-005	2.6054
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Strip Mall	8800	5.0000e-005	4.3000e-004	3.6000e-004	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005	0.0000	0.4696	0.4696	1.0000e-005	1.0000e-005	0.4724
Total		**3.1000e-004**	**2.8100e-003**	**2.3600e-003**	**1.0000e-005**		**2.1000e-004**	**2.1000e-004**		**2.1000e-004**	**2.1000e-004**	**0.0000**	**3.0596**	**3.0596**	**6.0000e-005**	**6.0000e-005**	**3.0778**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments Mid Rise	3.27808e+006	581.3523	0.0491	5.9500e-003	584.3514
General Office Building	130039	23.0618	1.9500e-003	2.4000e-004	23.1807
Parking Lot	90440	16.0391	1.3500e-003	1.6000e-004	16.1219
Strip Mall	48560	8.6119	7.3000e-004	9.0000e-005	8.6563
Total		**629.0651**	**0.0531**	**6.4400e-003**	**632.3103**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

5.3 Energy by Land Use - Electricity

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments Mid Rise	2.03241e+006	360.4384	0.0304	3.6900e-003	362.2979
General Office Building	80623.9	14.2983	1.2100e-003	1.5000e-004	14.3721
Parking Lot	56072.8	9.9443	8.4000e-004	1.0000e-004	9.9956
Strip Mall	30107.2	5.3394	4.5000e-004	5.0000e-005	5.3669
Total		**390.0204**	**0.0329**	**3.9900e-003**	**392.0324**

6.0 Area Detail

6.1 Mitigation Measures Area

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

	ROG	NOx	CO	SO2	Fugitive 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	1.9565	0.1290	4.5436	7.3000e-004		0.0312	0.0312		0.0312	0.0312	0.0000	96.5769	96.5769	8.8000e-003	1.6400e-003	97.2843
Unmitigated	1.9565	0.1290	4.5436	7.3000e-004		0.0312	0.0312		0.0312	0.0312	0.0000	96.5769	96.5769	8.8000e-003	1.6400e-003	97.2843

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	0.1488					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	1.6627					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	9.0100e-003	0.0770	0.0328	4.9000e-004		6.2300e-003	6.2300e-003		6.2300e-003	6.2300e-003	0.0000	89.1989	89.1989	1.7100e-003	1.6400e-003	89.7290
Landscaping	0.1360	0.0519	4.5108	2.4000e-004		0.0250	0.0250		0.0250	0.0250	0.0000	7.3780	7.3780	7.0900e-003	0.0000	7.5553
Total	**1.9565**	**0.1290**	**4.5436**	**7.3000e-004**		**0.0312**	**0.0312**		**0.0312**	**0.0312**	**0.0000**	**96.5769**	**96.5769**	**8.8000e-003**	**1.6400e-003**	**97.2843**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

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	0.1488					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	1.6627					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	9.0100e-003	0.0770	0.0328	4.9000e-004		6.2300e-003	6.2300e-003		6.2300e-003	6.2300e-003	0.0000	89.1989	89.1989	1.7100e-003	1.6400e-003	89.7290
Landscaping	0.1360	0.0519	4.5108	2.4000e-004		0.0250	0.0250		0.0250	0.0250	0.0000	7.3780	7.3780	7.0900e-003	0.0000	7.5553
Total	**1.9565**	**0.1290**	**4.5436**	**7.3000e-004**		**0.0312**	**0.0312**		**0.0312**	**0.0312**	**0.0000**	**96.5769**	**96.5769**	**8.8000e-003**	**1.6400e-003**	**97.2843**

7.0 Water Detail

7.1 Mitigation Measures Water

Install Low Flow Bathroom Faucet

Install Low Flow Kitchen Faucet

Install Low Flow Toilet

Install Low Flow Shower

Use Water Efficient Irrigation System

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	102.1295	0.8235	0.0202	128.7411
Unmitigated	120.9270	1.0287	0.0252	154.1568

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Mid Rise	28.4723 / 17.9499	110.1486	0.9363	0.0229	140.3927
General Office Building	2.51493 / 1.54141	9.6425	0.0827	2.0300e-003	12.3134
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Strip Mall	0.29629 / 0.181597	1.1360	9.7400e-003	2.4000e-004	1.4507
Total		**120.9270**	**1.0288**	**0.0252**	**154.1568**

7.2 Water by Land Use

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Mid Rise	22.7778 / 16.855	93.0349	0.7495	0.0184	117.2555
General Office Building	2.01195 / 1.44738	8.1361	0.0662	1.6200e-003	10.2751
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Strip Mall	0.237032 / 0.17052	0.9585	7.8000e-003	1.9000e-004	1.2105
Total		**102.1295**	**0.8235**	**0.0202**	**128.7411**

8.0 Waste Detail

8.1 Mitigation Measures Waste

Institute Recycling and Composting Services

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	33.2469	1.9648	0.0000	82.3677
Unmitigated	44.3292	2.6198	0.0000	109.8236

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Mid Rise	201.02	40.8052	2.4115	0.0000	101.0933
General Office Building	13.16	2.6714	0.1579	0.0000	6.6182
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Strip Mall	4.2	0.8526	0.0504	0.0000	2.1122
Total		**44.3292**	**2.6198**	**0.0000**	**109.8236**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

8.2 Waste by Land Use

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Mid Rise	150.765	30.6039	1.8086	0.0000	75.8200
General Office Building	9.87	2.0035	0.1184	0.0000	4.9636
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Strip Mall	3.15	0.6394	0.0378	0.0000	1.5841
Total		**33.2469**	**1.9648**	**0.0000**	**82.3677**

9.0 Operational Offroad

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

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

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

Boilers

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

User Defined Equipment

JPI Fontanta Apartments - HRA/LST - South Coast AQMD Air District, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Equipment Type	Number

11.0 Vegetation

```
**
**************************************
**
** AERMOD Input Produced by:
** AERMOD View Ver. 10.2.1
** Lakes Environmental Software Inc.
** Date: 11/17/2022
** File: C:\Users\nlorenzen\Desktop\HARP2\JPI Fontanta\JPI
Fontana Residential\JPI Fontana Residential.ADI
**
**************************************
**
**
**************************************
** AERMOD Control Pathway
**************************************
**
**
CO STARTING
   TITLEONE C:\Users\nlorenzen\Desktop\HARP2\JPI Fontanta\JPI
Fontana Residentia
   MODELOPT DFAULT CONC
   AVERTIME 1 PERIOD
   URBANOPT 2035210
   POLLUTID PM_10
   RUNORNOT RUN
   ERRORFIL "JPI Fontana Residential.err"
CO FINISHED
**
**************************************
** AERMOD Source Pathway
**************************************
**
**
SO STARTING
** Source Location **
** Source ID - Type - X Coord. - Y Coord. **
** ------------------------------------------------------------------
-------
** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = SLINE1
** DESCRSRC Construction Equipment and Vehicles
** PREFIX
** Length of Side = 8.60
** Configuration = Adjacent
** Emission Rate = 1.0
** Vertical Dimension = 6.80
** SZINIT = 3.16
** Nodes = 45
** 459214.558, 3769745.220, 336.95, 3.40, 4.00
** 459216.937, 3769842.742, 338.31, 3.40, 4.00
** 459392.356, 3769839.768, 338.30, 3.40, 4.00
```

```
** 459388.194, 3770036.595, 341.13, 3.40, 4.00
** 459165.203, 3770026.486, 340.86, 3.40, 4.00
** 459157.472, 3769846.904, 338.53, 3.40, 4.00
** 459192.556, 3769842.147, 337.96, 3.40, 4.00
** 459194.340, 3769738.679, 336.60, 3.40, 4.00
** 459206.828, 3769738.679, 336.61, 3.40, 4.00
** 459210.396, 3769852.256, 338.27, 3.40, 4.00
** 459373.328, 3769851.661, 338.38, 3.40, 4.00
** 459375.112, 3770025.892, 340.81, 3.40, 4.00
** 459174.122, 3770015.783, 340.73, 3.40, 4.00
** 459166.392, 3769854.040, 338.40, 3.40, 4.00
** 459201.476, 3769853.445, 338.19, 3.40, 4.00
** 459202.071, 3769868.906, 338.37, 3.40, 4.00
** 459356.678, 3769864.743, 338.29, 3.40, 4.00
** 459360.840, 3770012.215, 340.51, 3.40, 4.00
** 459182.447, 3770004.484, 340.49, 3.40, 4.00
** 459175.312, 3769865.933, 338.52, 3.40, 4.00
** 459198.503, 3769878.420, 338.61, 3.40, 4.00
** 459343.596, 3769876.636, 338.62, 3.40, 4.00
** 459348.353, 3770003.295, 340.30, 3.40, 4.00
** 459188.988, 3769997.349, 340.22, 3.40, 4.00
** 459183.042, 3769888.529, 338.88, 3.40, 4.00
** 459331.108, 3769889.124, 338.82, 3.40, 4.00
** 459337.649, 3769993.781, 340.25, 3.40, 4.00
** 459197.908, 3769990.213, 340.27, 3.40, 4.00
** 459194.935, 3769902.206, 339.06, 3.40, 4.00
** 459319.215, 3769902.800, 338.76, 3.40, 4.00
** 459323.378, 3769983.077, 340.12, 3.40, 4.00
** 459205.044, 3769981.293, 340.15, 3.40, 4.00
** 459203.854, 3769920.045, 339.20, 3.40, 4.00
** 459307.322, 3769915.883, 338.83, 3.40, 4.00
** 459310.296, 3769976.536, 340.00, 3.40, 4.00
** 459215.153, 3769974.752, 340.07, 3.40, 4.00
** 459216.342, 3769934.317, 339.46, 3.40, 4.00
** 459293.646, 3769930.154, 339.05, 3.40, 4.00
** 459298.403, 3769967.022, 339.73, 3.40, 4.00
** 459227.046, 3769969.401, 340.01, 3.40, 4.00
** 459228.235, 3769943.831, 339.64, 3.40, 4.00
** 459281.158, 3769940.858, 339.30, 3.40, 4.00
** 459284.131, 3769961.076, 339.53, 3.40, 4.00
** 459232.992, 3769962.265, 339.86, 3.40, 4.00
** 459230.019, 3769949.777, 339.66, 3.40, 4.00
** ------------------------------------------------------------
-------
   LOCATION L0000001     VOLUME   459214.663 3769749.519 337.13
   LOCATION L0000002     VOLUME   459214.873 3769758.116 337.38
   LOCATION L0000003     VOLUME   459215.082 3769766.714 337.56
   LOCATION L0000004     VOLUME   459215.292 3769775.311 337.68
   LOCATION L0000005     VOLUME   459215.502 3769783.909 337.79
   LOCATION L0000006     VOLUME   459215.711 3769792.506 337.93
   LOCATION L0000007     VOLUME   459215.921 3769801.103 338.04
   LOCATION L0000008     VOLUME   459216.131 3769809.701 338.13
```

```
LOCATION L0000009     VOLUME   459216.340 3769818.298 338.22
LOCATION L0000010     VOLUME   459216.550 3769826.896 338.32
LOCATION L0000011     VOLUME   459216.760 3769835.493 338.39
LOCATION L0000012     VOLUME   459218.286 3769842.719 338.33
LOCATION L0000013     VOLUME   459226.885 3769842.573 338.31
LOCATION L0000014     VOLUME   459235.484 3769842.427 338.22
LOCATION L0000015     VOLUME   459244.082 3769842.281 338.21
LOCATION L0000016     VOLUME   459252.681 3769842.136 338.22
LOCATION L0000017     VOLUME   459261.280 3769841.990 338.16
LOCATION L0000018     VOLUME   459269.879 3769841.844 338.08
LOCATION L0000019     VOLUME   459278.477 3769841.698 338.02
LOCATION L0000020     VOLUME   459287.076 3769841.553 337.98
LOCATION L0000021     VOLUME   459295.675 3769841.407 337.96
LOCATION L0000022     VOLUME   459304.274 3769841.261 337.99
LOCATION L0000023     VOLUME   459312.872 3769841.116 338.03
LOCATION L0000024     VOLUME   459321.471 3769840.970 338.03
LOCATION L0000025     VOLUME   459330.070 3769840.824 338.01
LOCATION L0000026     VOLUME   459338.669 3769840.678 337.98
LOCATION L0000027     VOLUME   459347.267 3769840.533 338.00
LOCATION L0000028     VOLUME   459355.866 3769840.387 338.05
LOCATION L0000029     VOLUME   459364.465 3769840.241 338.12
LOCATION L0000030     VOLUME   459373.064 3769840.095 338.22
LOCATION L0000031     VOLUME   459381.663 3769839.950 338.32
LOCATION L0000032     VOLUME   459390.261 3769839.804 338.37
LOCATION L0000033     VOLUME   459392.219 3769846.272 338.44
LOCATION L0000034     VOLUME   459392.037 3769854.870 338.56
LOCATION L0000035     VOLUME   459391.855 3769863.468 338.67
LOCATION L0000036     VOLUME   459391.673 3769872.066 338.76
LOCATION L0000037     VOLUME   459391.491 3769880.664 338.85
LOCATION L0000038     VOLUME   459391.310 3769889.262 338.93
LOCATION L0000039     VOLUME   459391.128 3769897.860 339.02
LOCATION L0000040     VOLUME   459390.946 3769906.458 339.13
LOCATION L0000041     VOLUME   459390.764 3769915.056 339.24
LOCATION L0000042     VOLUME   459390.582 3769923.654 339.36
LOCATION L0000043     VOLUME   459390.400 3769932.252 339.51
LOCATION L0000044     VOLUME   459390.219 3769940.850 339.65
LOCATION L0000045     VOLUME   459390.037 3769949.449 339.74
LOCATION L0000046     VOLUME   459389.855 3769958.047 339.85
LOCATION L0000047     VOLUME   459389.673 3769966.645 340.00
LOCATION L0000048     VOLUME   459389.491 3769975.243 340.13
LOCATION L0000049     VOLUME   459389.309 3769983.841 340.27
LOCATION L0000050     VOLUME   459389.128 3769992.439 340.40
LOCATION L0000051     VOLUME   459388.946 3770001.037 340.53
LOCATION L0000052     VOLUME   459388.764 3770009.635 340.64
LOCATION L0000053     VOLUME   459388.582 3770018.233 340.81
LOCATION L0000054     VOLUME   459388.400 3770026.831 341.05
LOCATION L0000055     VOLUME   459388.218 3770035.429 341.29
LOCATION L0000056     VOLUME   459380.768 3770036.259 341.25
LOCATION L0000057     VOLUME   459372.176 3770035.869 341.20
LOCATION L0000058     VOLUME   459363.585 3770035.480 341.16
LOCATION L0000059     VOLUME   459354.994 3770035.090 341.11
LOCATION L0000060     VOLUME   459346.403 3770034.701 341.07
```

```
LOCATION L0000061     VOLUME   459337.812 3770034.311 341.06
LOCATION L0000062     VOLUME   459329.221 3770033.922 341.04
LOCATION L0000063     VOLUME   459320.629 3770033.532 341.05
LOCATION L0000064     VOLUME   459312.038 3770033.143 341.05
LOCATION L0000065     VOLUME   459303.447 3770032.753 341.02
LOCATION L0000066     VOLUME   459294.856 3770032.364 340.95
LOCATION L0000067     VOLUME   459286.265 3770031.974 340.89
LOCATION L0000068     VOLUME   459277.673 3770031.585 340.85
LOCATION L0000069     VOLUME   459269.082 3770031.195 340.82
LOCATION L0000070     VOLUME   459260.491 3770030.806 340.79
LOCATION L0000071     VOLUME   459251.900 3770030.417 340.75
LOCATION L0000072     VOLUME   459243.309 3770030.027 340.75
LOCATION L0000073     VOLUME   459234.718 3770029.638 340.78
LOCATION L0000074     VOLUME   459226.126 3770029.248 340.86
LOCATION L0000075     VOLUME   459217.535 3770028.859 340.89
LOCATION L0000076     VOLUME   459208.944 3770028.469 340.90
LOCATION L0000077     VOLUME   459200.353 3770028.080 340.91
LOCATION L0000078     VOLUME   459191.762 3770027.690 340.92
LOCATION L0000079     VOLUME   459183.171 3770027.301 340.89
LOCATION L0000080     VOLUME   459174.579 3770026.911 340.87
LOCATION L0000081     VOLUME   459165.988 3770026.522 340.87
LOCATION L0000082     VOLUME   459164.867 3770018.680 340.86
LOCATION L0000083     VOLUME   459164.497 3770010.088 340.74
LOCATION L0000084     VOLUME   459164.127 3770001.496 340.46
LOCATION L0000085     VOLUME   459163.757 3769992.904 340.14
LOCATION L0000086     VOLUME   459163.387 3769984.312 339.82
LOCATION L0000087     VOLUME   459163.017 3769975.720 339.55
LOCATION L0000088     VOLUME   459162.648 3769967.127 339.40
LOCATION L0000089     VOLUME   459162.278 3769958.535 339.41
LOCATION L0000090     VOLUME   459161.908 3769949.943 339.45
LOCATION L0000091     VOLUME   459161.538 3769941.351 339.40
LOCATION L0000092     VOLUME   459161.168 3769932.759 339.30
LOCATION L0000093     VOLUME   459160.798 3769924.167 339.20
LOCATION L0000094     VOLUME   459160.428 3769915.575 339.13
LOCATION L0000095     VOLUME   459160.059 3769906.983 339.06
LOCATION L0000096     VOLUME   459159.689 3769898.391 339.00
LOCATION L0000097     VOLUME   459159.319 3769889.799 338.94
LOCATION L0000098     VOLUME   459158.949 3769881.207 338.90
LOCATION L0000099     VOLUME   459158.579 3769872.615 338.85
LOCATION L0000100     VOLUME   459158.209 3769864.023 338.79
LOCATION L0000101     VOLUME   459157.839 3769855.431 338.67
LOCATION L0000102     VOLUME   459157.537 3769846.895 338.47
LOCATION L0000103     VOLUME   459166.059 3769845.740 337.98
LOCATION L0000104     VOLUME   459174.581 3769844.584 337.80
LOCATION L0000105     VOLUME   459183.103 3769843.429 337.81
LOCATION L0000106     VOLUME   459191.625 3769842.273 337.90
LOCATION L0000107     VOLUME   459192.688 3769834.488 337.87
LOCATION L0000108     VOLUME   459192.837 3769825.889 337.74
LOCATION L0000109     VOLUME   459192.985 3769817.290 337.66
LOCATION L0000110     VOLUME   459193.133 3769808.692 337.58
LOCATION L0000111     VOLUME   459193.281 3769800.093 337.50
LOCATION L0000112     VOLUME   459193.430 3769791.494 337.43
```

```
LOCATION L0000113     VOLUME   459193.578 3769782.895 337.35
LOCATION L0000114     VOLUME   459193.726 3769774.297 337.25
LOCATION L0000115     VOLUME   459193.874 3769765.698 337.13
LOCATION L0000116     VOLUME   459194.023 3769757.099 337.01
LOCATION L0000117     VOLUME   459194.171 3769748.501 336.90
LOCATION L0000118     VOLUME   459194.319 3769739.902 336.76
LOCATION L0000119     VOLUME   459201.717 3769738.679 336.74
LOCATION L0000120     VOLUME   459206.937 3769742.167 336.80
LOCATION L0000121     VOLUME   459207.207 3769750.763 337.00
LOCATION L0000122     VOLUME   459207.477 3769759.358 337.20
LOCATION L0000123     VOLUME   459207.747 3769767.954 337.40
LOCATION L0000124     VOLUME   459208.017 3769776.550 337.56
LOCATION L0000125     VOLUME   459208.287 3769785.146 337.65
LOCATION L0000126     VOLUME   459208.557 3769793.741 337.77
LOCATION L0000127     VOLUME   459208.827 3769802.337 337.90
LOCATION L0000128     VOLUME   459209.097 3769810.933 338.01
LOCATION L0000129     VOLUME   459209.367 3769819.529 338.12
LOCATION L0000130     VOLUME   459209.638 3769828.124 338.23
LOCATION L0000131     VOLUME   459209.908 3769836.720 338.35
LOCATION L0000132     VOLUME   459210.178 3769845.316 338.25
LOCATION L0000133     VOLUME   459212.052 3769852.250 338.26
LOCATION L0000134     VOLUME   459220.652 3769852.218 338.33
LOCATION L0000135     VOLUME   459229.252 3769852.187 338.29
LOCATION L0000136     VOLUME   459237.852 3769852.156 338.26
LOCATION L0000137     VOLUME   459246.452 3769852.124 338.32
LOCATION L0000138     VOLUME   459255.052 3769852.093 338.32
LOCATION L0000139     VOLUME   459263.652 3769852.061 338.26
LOCATION L0000140     VOLUME   459272.252 3769852.030 338.17
LOCATION L0000141     VOLUME   459280.852 3769851.999 338.07
LOCATION L0000142     VOLUME   459289.452 3769851.967 338.01
LOCATION L0000143     VOLUME   459298.052 3769851.936 338.03
LOCATION L0000144     VOLUME   459306.652 3769851.905 338.09
LOCATION L0000145     VOLUME   459315.252 3769851.873 338.12
LOCATION L0000146     VOLUME   459323.852 3769851.842 338.07
LOCATION L0000147     VOLUME   459332.451 3769851.810 338.02
LOCATION L0000148     VOLUME   459341.051 3769851.779 338.02
LOCATION L0000149     VOLUME   459349.651 3769851.748 338.05
LOCATION L0000150     VOLUME   459358.251 3769851.716 338.12
LOCATION L0000151     VOLUME   459366.851 3769851.685 338.24
LOCATION L0000152     VOLUME   459373.349 3769853.785 338.35
LOCATION L0000153     VOLUME   459373.438 3769862.384 338.49
LOCATION L0000154     VOLUME   459373.526 3769870.984 338.65
LOCATION L0000155     VOLUME   459373.614 3769879.583 338.80
LOCATION L0000156     VOLUME   459373.702 3769888.183 338.90
LOCATION L0000157     VOLUME   459373.790 3769896.782 338.96
LOCATION L0000158     VOLUME   459373.878 3769905.382 338.97
LOCATION L0000159     VOLUME   459373.966 3769913.981 338.96
LOCATION L0000160     VOLUME   459374.054 3769922.581 339.07
LOCATION L0000161     VOLUME   459374.142 3769931.180 339.29
LOCATION L0000162     VOLUME   459374.230 3769939.780 339.51
LOCATION L0000163     VOLUME   459374.318 3769948.380 339.62
LOCATION L0000164     VOLUME   459374.406 3769956.979 339.75
```

```
LOCATION L0000165     VOLUME   459374.494 3769965.579 339.92
LOCATION L0000166     VOLUME   459374.582 3769974.178 340.06
LOCATION L0000167     VOLUME   459374.670 3769982.778 340.18
LOCATION L0000168     VOLUME   459374.758 3769991.377 340.31
LOCATION L0000169     VOLUME   459374.846 3769999.977 340.46
LOCATION L0000170     VOLUME   459374.934 3770008.576 340.61
LOCATION L0000171     VOLUME   459375.022 3770017.176 340.78
LOCATION L0000172     VOLUME   459375.110 3770025.776 340.96
LOCATION L0000173     VOLUME   459366.638 3770025.465 340.91
LOCATION L0000174     VOLUME   459358.049 3770025.033 340.83
LOCATION L0000175     VOLUME   459349.460 3770024.601 340.75
LOCATION L0000176     VOLUME   459340.871 3770024.169 340.75
LOCATION L0000177     VOLUME   459332.282 3770023.737 340.77
LOCATION L0000178     VOLUME   459323.693 3770023.305 340.77
LOCATION L0000179     VOLUME   459315.104 3770022.873 340.77
LOCATION L0000180     VOLUME   459306.514 3770022.441 340.72
LOCATION L0000181     VOLUME   459297.925 3770022.009 340.63
LOCATION L0000182     VOLUME   459289.336 3770021.577 340.52
LOCATION L0000183     VOLUME   459280.747 3770021.145 340.45
LOCATION L0000184     VOLUME   459272.158 3770020.713 340.41
LOCATION L0000185     VOLUME   459263.569 3770020.281 340.38
LOCATION L0000186     VOLUME   459254.980 3770019.849 340.36
LOCATION L0000187     VOLUME   459246.390 3770019.417 340.37
LOCATION L0000188     VOLUME   459237.801 3770018.985 340.43
LOCATION L0000189     VOLUME   459229.212 3770018.553 340.56
LOCATION L0000190     VOLUME   459220.623 3770018.121 340.66
LOCATION L0000191     VOLUME   459212.034 3770017.689 340.74
LOCATION L0000192     VOLUME   459203.445 3770017.257 340.81
LOCATION L0000193     VOLUME   459194.856 3770016.825 340.85
LOCATION L0000194     VOLUME   459186.266 3770016.393 340.82
LOCATION L0000195     VOLUME   459177.677 3770015.961 340.80
LOCATION L0000196     VOLUME   459173.882 3770010.748 340.74
LOCATION L0000197     VOLUME   459173.471 3770002.158 340.55
LOCATION L0000198     VOLUME   459173.061 3769993.567 340.33
LOCATION L0000199     VOLUME   459172.650 3769984.977 340.05
LOCATION L0000200     VOLUME   459172.239 3769976.387 339.78
LOCATION L0000201     VOLUME   459171.829 3769967.797 339.59
LOCATION L0000202     VOLUME   459171.418 3769959.207 339.53
LOCATION L0000203     VOLUME   459171.008 3769950.616 339.53
LOCATION L0000204     VOLUME   459170.597 3769942.026 339.46
LOCATION L0000205     VOLUME   459170.187 3769933.436 339.33
LOCATION L0000206     VOLUME   459169.776 3769924.846 339.19
LOCATION L0000207     VOLUME   459169.366 3769916.256 339.09
LOCATION L0000208     VOLUME   459168.955 3769907.666 339.00
LOCATION L0000209     VOLUME   459168.544 3769899.075 338.93
LOCATION L0000210     VOLUME   459168.134 3769890.485 338.85
LOCATION L0000211     VOLUME   459167.723 3769881.895 338.78
LOCATION L0000212     VOLUME   459167.313 3769873.305 338.69
LOCATION L0000213     VOLUME   459166.902 3769864.715 338.56
LOCATION L0000214     VOLUME   459166.492 3769856.124 338.39
LOCATION L0000215     VOLUME   459172.904 3769853.929 338.13
LOCATION L0000216     VOLUME   459181.503 3769853.784 338.08
```

```
LOCATION L0000217     VOLUME   459190.102 3769853.638 338.05
LOCATION L0000218     VOLUME   459198.700 3769853.492 338.11
LOCATION L0000219     VOLUME   459201.700 3769859.265 338.21
LOCATION L0000220     VOLUME   459202.030 3769867.859 338.38
LOCATION L0000221     VOLUME   459209.620 3769868.703 338.43
LOCATION L0000222     VOLUME   459218.217 3769868.471 338.47
LOCATION L0000223     VOLUME   459226.814 3769868.240 338.49
LOCATION L0000224     VOLUME   459235.410 3769868.008 338.45
LOCATION L0000225     VOLUME   459244.007 3769867.777 338.48
LOCATION L0000226     VOLUME   459252.604 3769867.545 338.48
LOCATION L0000227     VOLUME   459261.201 3769867.314 338.45
LOCATION L0000228     VOLUME   459269.798 3769867.082 338.39
LOCATION L0000229     VOLUME   459278.395 3769866.851 338.33
LOCATION L0000230     VOLUME   459286.992 3769866.620 338.22
LOCATION L0000231     VOLUME   459295.589 3769866.388 338.17
LOCATION L0000232     VOLUME   459304.185 3769866.157 338.21
LOCATION L0000233     VOLUME   459312.782 3769865.925 338.25
LOCATION L0000234     VOLUME   459321.379 3769865.694 338.27
LOCATION L0000235     VOLUME   459329.976 3769865.462 338.25
LOCATION L0000236     VOLUME   459338.573 3769865.231 338.23
LOCATION L0000237     VOLUME   459347.170 3769864.999 338.23
LOCATION L0000238     VOLUME   459355.767 3769864.768 338.31
LOCATION L0000239     VOLUME   459356.895 3769872.429 338.57
LOCATION L0000240     VOLUME   459357.137 3769881.026 338.77
LOCATION L0000241     VOLUME   459357.380 3769889.622 338.87
LOCATION L0000242     VOLUME   459357.623 3769898.219 338.96
LOCATION L0000243     VOLUME   459357.865 3769906.815 339.00
LOCATION L0000244     VOLUME   459358.108 3769915.412 338.98
LOCATION L0000245     VOLUME   459358.351 3769924.008 339.05
LOCATION L0000246     VOLUME   459358.593 3769932.605 339.21
LOCATION L0000247     VOLUME   459358.836 3769941.202 339.39
LOCATION L0000248     VOLUME   459359.078 3769949.798 339.52
LOCATION L0000249     VOLUME   459359.321 3769958.395 339.67
LOCATION L0000250     VOLUME   459359.564 3769966.991 339.80
LOCATION L0000251     VOLUME   459359.806 3769975.588 339.91
LOCATION L0000252     VOLUME   459360.049 3769984.185 339.99
LOCATION L0000253     VOLUME   459360.292 3769992.781 340.09
LOCATION L0000254     VOLUME   459360.534 3770001.378 340.27
LOCATION L0000255     VOLUME   459360.777 3770009.974 340.48
LOCATION L0000256     VOLUME   459354.488 3770011.940 340.48
LOCATION L0000257     VOLUME   459345.896 3770011.567 340.49
LOCATION L0000258     VOLUME   459337.304 3770011.195 340.54
LOCATION L0000259     VOLUME   459328.712 3770010.823 340.57
LOCATION L0000260     VOLUME   459320.120 3770010.450 340.53
LOCATION L0000261     VOLUME   459311.528 3770010.078 340.48
LOCATION L0000262     VOLUME   459302.936 3770009.706 340.44
LOCATION L0000263     VOLUME   459294.344 3770009.333 340.34
LOCATION L0000264     VOLUME   459285.752 3770008.961 340.20
LOCATION L0000265     VOLUME   459277.160 3770008.589 340.14
LOCATION L0000266     VOLUME   459268.568 3770008.216 340.18
LOCATION L0000267     VOLUME   459259.976 3770007.844 340.24
LOCATION L0000268     VOLUME   459251.384 3770007.472 340.25
```

```
LOCATION L0000269     VOLUME   459242.792 3770007.099 340.29
LOCATION L0000270     VOLUME   459234.201 3770006.727 340.39
LOCATION L0000271     VOLUME   459225.609 3770006.355 340.46
LOCATION L0000272     VOLUME   459217.017 3770005.982 340.51
LOCATION L0000273     VOLUME   459208.425 3770005.610 340.61
LOCATION L0000274     VOLUME   459199.833 3770005.238 340.67
LOCATION L0000275     VOLUME   459191.241 3770004.865 340.64
LOCATION L0000276     VOLUME   459182.649 3770004.493 340.59
LOCATION L0000277     VOLUME   459182.015 3769996.097 340.38
LOCATION L0000278     VOLUME   459181.573 3769987.509 340.13
LOCATION L0000279     VOLUME   459181.131 3769978.920 339.88
LOCATION L0000280     VOLUME   459180.688 3769970.331 339.69
LOCATION L0000281     VOLUME   459180.246 3769961.743 339.59
LOCATION L0000282     VOLUME   459179.804 3769953.154 339.55
LOCATION L0000283     VOLUME   459179.361 3769944.566 339.49
LOCATION L0000284     VOLUME   459178.919 3769935.977 339.38
LOCATION L0000285     VOLUME   459178.477 3769927.388 339.26
LOCATION L0000286     VOLUME   459178.034 3769918.800 339.16
LOCATION L0000287     VOLUME   459177.592 3769910.211 339.08
LOCATION L0000288     VOLUME   459177.150 3769901.623 339.01
LOCATION L0000289     VOLUME   459176.707 3769893.034 338.93
LOCATION L0000290     VOLUME   459176.265 3769884.445 338.82
LOCATION L0000291     VOLUME   459175.823 3769875.857 338.70
LOCATION L0000292     VOLUME   459175.380 3769867.268 338.53
LOCATION L0000293     VOLUME   459181.706 3769869.376 338.55
LOCATION L0000294     VOLUME   459189.278 3769873.453 338.58
LOCATION L0000295     VOLUME   459196.850 3769877.530 338.61
LOCATION L0000296     VOLUME   459205.226 3769878.337 338.61
LOCATION L0000297     VOLUME   459213.825 3769878.232 338.59
LOCATION L0000298     VOLUME   459222.424 3769878.126 338.62
LOCATION L0000299     VOLUME   459231.024 3769878.020 338.60
LOCATION L0000300     VOLUME   459239.623 3769877.915 338.62
LOCATION L0000301     VOLUME   459248.222 3769877.809 338.60
LOCATION L0000302     VOLUME   459256.822 3769877.703 338.58
LOCATION L0000303     VOLUME   459265.421 3769877.597 338.55
LOCATION L0000304     VOLUME   459274.020 3769877.492 338.52
LOCATION L0000305     VOLUME   459282.620 3769877.386 338.43
LOCATION L0000306     VOLUME   459291.219 3769877.280 338.31
LOCATION L0000307     VOLUME   459299.818 3769877.174 338.30
LOCATION L0000308     VOLUME   459308.418 3769877.069 338.34
LOCATION L0000309     VOLUME   459317.017 3769876.963 338.45
LOCATION L0000310     VOLUME   459325.617 3769876.857 338.64
LOCATION L0000311     VOLUME   459334.216 3769876.752 338.66
LOCATION L0000312     VOLUME   459342.815 3769876.646 338.63
LOCATION L0000313     VOLUME   459343.889 3769884.450 338.74
LOCATION L0000314     VOLUME   459344.212 3769893.044 338.88
LOCATION L0000315     VOLUME   459344.535 3769901.638 338.99
LOCATION L0000316     VOLUME   459344.857 3769910.232 339.06
LOCATION L0000317     VOLUME   459345.180 3769918.826 339.08
LOCATION L0000318     VOLUME   459345.503 3769927.420 339.16
LOCATION L0000319     VOLUME   459345.826 3769936.014 339.33
LOCATION L0000320     VOLUME   459346.149 3769944.608 339.47
```

```
LOCATION L0000321     VOLUME   459346.471 3769953.202 339.59
LOCATION L0000322     VOLUME   459346.794 3769961.796 339.71
LOCATION L0000323     VOLUME   459347.117 3769970.390 339.82
LOCATION L0000324     VOLUME   459347.440 3769978.984 339.93
LOCATION L0000325     VOLUME   459347.762 3769987.578 340.07
LOCATION L0000326     VOLUME   459348.085 3769996.171 340.20
LOCATION L0000327     VOLUME   459346.882 3770003.240 340.33
LOCATION L0000328     VOLUME   459338.288 3770002.920 340.40
LOCATION L0000329     VOLUME   459329.694 3770002.599 340.44
LOCATION L0000330     VOLUME   459321.100 3770002.278 340.41
LOCATION L0000331     VOLUME   459312.506 3770001.958 340.35
LOCATION L0000332     VOLUME   459303.912 3770001.637 340.30
LOCATION L0000333     VOLUME   459295.318 3770001.316 340.22
LOCATION L0000334     VOLUME   459286.724 3770000.996 340.09
LOCATION L0000335     VOLUME   459278.130 3770000.675 340.00
LOCATION L0000336     VOLUME   459269.536 3770000.354 340.06
LOCATION L0000337     VOLUME   459260.942 3770000.034 340.15
LOCATION L0000338     VOLUME   459252.348 3769999.713 340.19
LOCATION L0000339     VOLUME   459243.754 3769999.392 340.25
LOCATION L0000340     VOLUME   459235.160 3769999.072 340.35
LOCATION L0000341     VOLUME   459226.566 3769998.751 340.41
LOCATION L0000342     VOLUME   459217.972 3769998.430 340.42
LOCATION L0000343     VOLUME   459209.378 3769998.110 340.48
LOCATION L0000344     VOLUME   459200.784 3769997.789 340.51
LOCATION L0000345     VOLUME   459192.190 3769997.468 340.45
LOCATION L0000346     VOLUME   459188.694 3769991.961 340.28
LOCATION L0000347     VOLUME   459188.225 3769983.373 340.04
LOCATION L0000348     VOLUME   459187.756 3769974.786 339.85
LOCATION L0000349     VOLUME   459187.286 3769966.199 339.72
LOCATION L0000350     VOLUME   459186.817 3769957.612 339.62
LOCATION L0000351     VOLUME   459186.348 3769949.025 339.55
LOCATION L0000352     VOLUME   459185.879 3769940.438 339.45
LOCATION L0000353     VOLUME   459185.409 3769931.850 339.36
LOCATION L0000354     VOLUME   459184.940 3769923.263 339.27
LOCATION L0000355     VOLUME   459184.471 3769914.676 339.19
LOCATION L0000356     VOLUME   459184.002 3769906.089 339.11
LOCATION L0000357     VOLUME   459183.532 3769897.502 339.02
LOCATION L0000358     VOLUME   459183.063 3769888.914 338.90
LOCATION L0000359     VOLUME   459191.256 3769888.562 338.89
LOCATION L0000360     VOLUME   459199.856 3769888.597 338.78
LOCATION L0000361     VOLUME   459208.456 3769888.631 338.75
LOCATION L0000362     VOLUME   459217.056 3769888.666 338.74
LOCATION L0000363     VOLUME   459225.656 3769888.700 338.78
LOCATION L0000364     VOLUME   459234.256 3769888.735 338.78
LOCATION L0000365     VOLUME   459242.856 3769888.769 338.79
LOCATION L0000366     VOLUME   459251.456 3769888.804 338.75
LOCATION L0000367     VOLUME   459260.055 3769888.838 338.72
LOCATION L0000368     VOLUME   459268.655 3769888.873 338.70
LOCATION L0000369     VOLUME   459277.255 3769888.907 338.67
LOCATION L0000370     VOLUME   459285.855 3769888.942 338.57
LOCATION L0000371     VOLUME   459294.455 3769888.977 338.46
LOCATION L0000372     VOLUME   459303.055 3769889.011 338.46
```

```
LOCATION L0000373     VOLUME   459311.655 3769889.046 338.50
LOCATION L0000374     VOLUME   459320.255 3769889.080 338.68
LOCATION L0000375     VOLUME   459328.855 3769889.115 338.86
LOCATION L0000376     VOLUME   459331.504 3769895.458 338.93
LOCATION L0000377     VOLUME   459332.040 3769904.041 339.02
LOCATION L0000378     VOLUME   459332.577 3769912.625 339.08
LOCATION L0000379     VOLUME   459333.113 3769921.208 339.12
LOCATION L0000380     VOLUME   459333.650 3769929.791 339.20
LOCATION L0000381     VOLUME   459334.186 3769938.374 339.45
LOCATION L0000382     VOLUME   459334.723 3769946.958 339.64
LOCATION L0000383     VOLUME   459335.259 3769955.541 339.74
LOCATION L0000384     VOLUME   459335.796 3769964.124 339.82
LOCATION L0000385     VOLUME   459336.332 3769972.707 339.91
LOCATION L0000386     VOLUME   459336.869 3769981.291 340.02
LOCATION L0000387     VOLUME   459337.405 3769989.874 340.19
LOCATION L0000388     VOLUME   459332.965 3769993.661 340.27
LOCATION L0000389     VOLUME   459324.368 3769993.442 340.28
LOCATION L0000390     VOLUME   459315.771 3769993.222 340.26
LOCATION L0000391     VOLUME   459307.174 3769993.003 340.20
LOCATION L0000392     VOLUME   459298.576 3769992.783 340.12
LOCATION L0000393     VOLUME   459289.979 3769992.564 340.05
LOCATION L0000394     VOLUME   459281.382 3769992.344 339.99
LOCATION L0000395     VOLUME   459272.785 3769992.125 339.98
LOCATION L0000396     VOLUME   459264.188 3769991.905 340.03
LOCATION L0000397     VOLUME   459255.590 3769991.686 340.10
LOCATION L0000398     VOLUME   459246.993 3769991.466 340.16
LOCATION L0000399     VOLUME   459238.396 3769991.247 340.25
LOCATION L0000400     VOLUME   459229.799 3769991.027 340.32
LOCATION L0000401     VOLUME   459221.202 3769990.808 340.32
LOCATION L0000402     VOLUME   459212.604 3769990.588 340.32
LOCATION L0000403     VOLUME   459204.007 3769990.369 340.34
LOCATION L0000404     VOLUME   459197.824 3769987.716 340.25
LOCATION L0000405     VOLUME   459197.533 3769979.121 340.05
LOCATION L0000406     VOLUME   459197.243 3769970.525 339.93
LOCATION L0000407     VOLUME   459196.953 3769961.930 339.80
LOCATION L0000408     VOLUME   459196.662 3769953.335 339.66
LOCATION L0000409     VOLUME   459196.372 3769944.740 339.53
LOCATION L0000410     VOLUME   459196.081 3769936.145 339.43
LOCATION L0000411     VOLUME   459195.791 3769927.550 339.35
LOCATION L0000412     VOLUME   459195.501 3769918.955 339.28
LOCATION L0000413     VOLUME   459195.210 3769910.360 339.19
LOCATION L0000414     VOLUME   459195.376 3769902.208 339.07
LOCATION L0000415     VOLUME   459203.976 3769902.249 339.00
LOCATION L0000416     VOLUME   459212.576 3769902.290 338.95
LOCATION L0000417     VOLUME   459221.176 3769902.331 338.96
LOCATION L0000418     VOLUME   459229.776 3769902.373 338.97
LOCATION L0000419     VOLUME   459238.376 3769902.414 338.97
LOCATION L0000420     VOLUME   459246.976 3769902.455 338.95
LOCATION L0000421     VOLUME   459255.576 3769902.496 338.94
LOCATION L0000422     VOLUME   459264.175 3769902.537 338.93
LOCATION L0000423     VOLUME   459272.775 3769902.578 338.89
LOCATION L0000424     VOLUME   459281.375 3769902.619 338.82
```

```
LOCATION L0000425     VOLUME   459289.975 3769902.661 338.70
LOCATION L0000426     VOLUME   459298.575 3769902.702 338.65
LOCATION L0000427     VOLUME   459307.175 3769902.743 338.63
LOCATION L0000428     VOLUME   459315.775 3769902.784 338.70
LOCATION L0000429     VOLUME   459319.482 3769907.953 338.80
LOCATION L0000430     VOLUME   459319.928 3769916.542 338.92
LOCATION L0000431     VOLUME   459320.373 3769925.130 339.02
LOCATION L0000432     VOLUME   459320.818 3769933.719 339.18
LOCATION L0000433     VOLUME   459321.264 3769942.307 339.38
LOCATION L0000434     VOLUME   459321.709 3769950.896 339.60
LOCATION L0000435     VOLUME   459322.154 3769959.484 339.76
LOCATION L0000436     VOLUME   459322.600 3769968.072 339.87
LOCATION L0000437     VOLUME   459323.045 3769976.661 340.01
LOCATION L0000438     VOLUME   459321.203 3769983.045 340.12
LOCATION L0000439     VOLUME   459312.604 3769982.915 340.10
LOCATION L0000440     VOLUME   459304.005 3769982.785 340.04
LOCATION L0000441     VOLUME   459295.406 3769982.656 339.96
LOCATION L0000442     VOLUME   459286.807 3769982.526 339.91
LOCATION L0000443     VOLUME   459278.208 3769982.396 339.89
LOCATION L0000444     VOLUME   459269.609 3769982.267 339.89
LOCATION L0000445     VOLUME   459261.010 3769982.137 339.94
LOCATION L0000446     VOLUME   459252.411 3769982.007 340.00
LOCATION L0000447     VOLUME   459243.812 3769981.878 340.09
LOCATION L0000448     VOLUME   459235.213 3769981.748 340.14
LOCATION L0000449     VOLUME   459226.614 3769981.619 340.18
LOCATION L0000450     VOLUME   459218.015 3769981.489 340.18
LOCATION L0000451     VOLUME   459209.416 3769981.359 340.17
LOCATION L0000452     VOLUME   459204.962 3769977.067 340.08
LOCATION L0000453     VOLUME   459204.795 3769968.468 339.94
LOCATION L0000454     VOLUME   459204.628 3769959.870 339.80
LOCATION L0000455     VOLUME   459204.461 3769951.271 339.64
LOCATION L0000456     VOLUME   459204.294 3769942.673 339.49
LOCATION L0000457     VOLUME   459204.127 3769934.075 339.37
LOCATION L0000458     VOLUME   459203.960 3769925.476 339.27
LOCATION L0000459     VOLUME   459207.020 3769919.918 339.18
LOCATION L0000460     VOLUME   459215.613 3769919.572 339.23
LOCATION L0000461     VOLUME   459224.206 3769919.226 339.23
LOCATION L0000462     VOLUME   459232.799 3769918.881 339.20
LOCATION L0000463     VOLUME   459241.392 3769918.535 339.20
LOCATION L0000464     VOLUME   459249.985 3769918.189 339.18
LOCATION L0000465     VOLUME   459258.578 3769917.844 339.24
LOCATION L0000466     VOLUME   459267.171 3769917.498 339.17
LOCATION L0000467     VOLUME   459275.764 3769917.152 339.05
LOCATION L0000468     VOLUME   459284.357 3769916.807 338.96
LOCATION L0000469     VOLUME   459292.950 3769916.461 338.85
LOCATION L0000470     VOLUME   459301.543 3769916.115 338.82
LOCATION L0000471     VOLUME   459307.460 3769918.696 338.85
LOCATION L0000472     VOLUME   459307.881 3769927.285 338.99
LOCATION L0000473     VOLUME   459308.302 3769935.875 339.15
LOCATION L0000474     VOLUME   459308.723 3769944.465 339.32
LOCATION L0000475     VOLUME   459309.145 3769953.054 339.50
LOCATION L0000476     VOLUME   459309.566 3769961.644 339.70
```

```
LOCATION L0000477     VOLUME   459309.987 3769970.234 339.87
LOCATION L0000478     VOLUME   459308.006 3769976.493 339.97
LOCATION L0000479     VOLUME   459299.408 3769976.332 339.90
LOCATION L0000480     VOLUME   459290.809 3769976.171 339.82
LOCATION L0000481     VOLUME   459282.211 3769976.010 339.80
LOCATION L0000482     VOLUME   459273.612 3769975.848 339.80
LOCATION L0000483     VOLUME   459265.014 3769975.687 339.82
LOCATION L0000484     VOLUME   459256.415 3769975.526 339.87
LOCATION L0000485     VOLUME   459247.817 3769975.365 339.95
LOCATION L0000486     VOLUME   459239.218 3769975.204 340.04
LOCATION L0000487     VOLUME   459230.620 3769975.042 340.07
LOCATION L0000488     VOLUME   459222.021 3769974.881 340.09
LOCATION L0000489     VOLUME   459215.204 3769973.023 340.05
LOCATION L0000490     VOLUME   459215.456 3769964.427 339.92
LOCATION L0000491     VOLUME   459215.709 3769955.830 339.78
LOCATION L0000492     VOLUME   459215.962 3769947.234 339.63
LOCATION L0000493     VOLUME   459216.215 3769938.638 339.49
LOCATION L0000494     VOLUME   459220.613 3769934.087 339.45
LOCATION L0000495     VOLUME   459229.200 3769933.624 339.45
LOCATION L0000496     VOLUME   459237.788 3769933.162 339.43
LOCATION L0000497     VOLUME   459246.376 3769932.699 339.43
LOCATION L0000498     VOLUME   459254.963 3769932.237 339.44
LOCATION L0000499     VOLUME   459263.551 3769931.775 339.37
LOCATION L0000500     VOLUME   459272.138 3769931.312 339.26
LOCATION L0000501     VOLUME   459280.726 3769930.850 339.18
LOCATION L0000502     VOLUME   459289.313 3769930.387 339.10
LOCATION L0000503     VOLUME   459294.191 3769934.381 339.13
LOCATION L0000504     VOLUME   459295.291 3769942.910 339.26
LOCATION L0000505     VOLUME   459296.392 3769951.439 339.39
LOCATION L0000506     VOLUME   459297.493 3769959.968 339.53
LOCATION L0000507     VOLUME   459296.916 3769967.072 339.69
LOCATION L0000508     VOLUME   459288.320 3769967.358 339.64
LOCATION L0000509     VOLUME   459279.725 3769967.645 339.65
LOCATION L0000510     VOLUME   459271.130 3769967.931 339.68
LOCATION L0000511     VOLUME   459262.535 3769968.218 339.71
LOCATION L0000512     VOLUME   459253.939 3769968.504 339.78
LOCATION L0000513     VOLUME   459245.344 3769968.791 339.90
LOCATION L0000514     VOLUME   459236.749 3769969.077 339.96
LOCATION L0000515     VOLUME   459228.154 3769969.364 340.00
LOCATION L0000516     VOLUME   459227.394 3769961.917 339.90
LOCATION L0000517     VOLUME   459227.793 3769953.327 339.76
LOCATION L0000518     VOLUME   459228.193 3769944.736 339.62
LOCATION L0000519     VOLUME   459235.917 3769943.399 339.58
LOCATION L0000520     VOLUME   459244.503 3769942.917 339.59
LOCATION L0000521     VOLUME   459253.090 3769942.435 339.59
LOCATION L0000522     VOLUME   459261.676 3769941.952 339.51
LOCATION L0000523     VOLUME   459270.262 3769941.470 339.38
LOCATION L0000524     VOLUME   459278.849 3769940.987 339.32
LOCATION L0000525     VOLUME   459282.073 3769947.078 339.37
LOCATION L0000526     VOLUME   459283.324 3769955.586 339.47
LOCATION L0000527     VOLUME   459281.080 3769961.146 339.54
LOCATION L0000528     VOLUME   459272.483 3769961.346 339.57
```

```
   LOCATION L0000529     VOLUME   459263.885 3769961.546 339.63
   LOCATION L0000530     VOLUME   459255.287 3769961.746 339.72
   LOCATION L0000531     VOLUME   459246.690 3769961.946 339.81
   LOCATION L0000532     VOLUME   459238.092 3769962.146 339.86
   LOCATION L0000533     VOLUME   459232.182 3769958.861 339.83
   LOCATION L0000534     VOLUME   459230.190 3769950.495 339.70
** End of LINE VOLUME Source ID = SLINE1
** Source Parameters **
** LINE VOLUME Source ID = SLINE1
   SRCPARAM L0000001     0.0018726592      3.40      4.00
3.16
   SRCPARAM L0000002     0.0018726592      3.40      4.00
3.16
   SRCPARAM L0000003     0.0018726592      3.40      4.00
3.16
   SRCPARAM L0000004     0.0018726592      3.40      4.00
3.16
   SRCPARAM L0000005     0.0018726592      3.40      4.00
3.16
   SRCPARAM L0000006     0.0018726592      3.40      4.00
3.16
   SRCPARAM L0000007     0.0018726592      3.40      4.00
3.16
   SRCPARAM L0000008     0.0018726592      3.40      4.00
3.16
   SRCPARAM L0000009     0.0018726592      3.40      4.00
3.16
   SRCPARAM L0000010     0.0018726592      3.40      4.00
3.16
   SRCPARAM L0000011     0.0018726592      3.40      4.00
3.16
   SRCPARAM L0000012     0.0018726592      3.40      4.00
3.16
   SRCPARAM L0000013     0.0018726592      3.40      4.00
3.16
   SRCPARAM L0000014     0.0018726592      3.40      4.00
3.16
   SRCPARAM L0000015     0.0018726592      3.40      4.00
3.16
   SRCPARAM L0000016     0.0018726592      3.40      4.00
3.16
   SRCPARAM L0000017     0.0018726592      3.40      4.00
3.16
   SRCPARAM L0000018     0.0018726592      3.40      4.00
3.16
   SRCPARAM L0000019     0.0018726592      3.40      4.00
3.16
   SRCPARAM L0000020     0.0018726592      3.40      4.00
3.16
   SRCPARAM L0000021     0.0018726592      3.40      4.00
3.16
   SRCPARAM L0000022     0.0018726592      3.40      4.00
```

```
3.16
   SRCPARAM L0000023     0.0018726592      3.40      4.00
3.16
   SRCPARAM L0000024     0.0018726592      3.40      4.00
3.16
   SRCPARAM L0000025     0.0018726592      3.40      4.00
3.16
   SRCPARAM L0000026     0.0018726592      3.40      4.00
3.16
   SRCPARAM L0000027     0.0018726592      3.40      4.00
3.16
   SRCPARAM L0000028     0.0018726592      3.40      4.00
3.16
   SRCPARAM L0000029     0.0018726592      3.40      4.00
3.16
   SRCPARAM L0000030     0.0018726592      3.40      4.00
3.16
   SRCPARAM L0000031     0.0018726592      3.40      4.00
3.16
   SRCPARAM L0000032     0.0018726592      3.40      4.00
3.16
   SRCPARAM L0000033     0.0018726592      3.40      4.00
3.16
   SRCPARAM L0000034     0.0018726592      3.40      4.00
3.16
   SRCPARAM L0000035     0.0018726592      3.40      4.00
3.16
   SRCPARAM L0000036     0.0018726592      3.40      4.00
3.16
   SRCPARAM L0000037     0.0018726592      3.40      4.00
3.16
   SRCPARAM L0000038     0.0018726592      3.40      4.00
3.16
   SRCPARAM L0000039     0.0018726592      3.40      4.00
3.16
   SRCPARAM L0000040     0.0018726592      3.40      4.00
3.16
   SRCPARAM L0000041     0.0018726592      3.40      4.00
3.16
   SRCPARAM L0000042     0.0018726592      3.40      4.00
3.16
   SRCPARAM L0000043     0.0018726592      3.40      4.00
3.16
   SRCPARAM L0000044     0.0018726592      3.40      4.00
3.16
   SRCPARAM L0000045     0.0018726592      3.40      4.00
3.16
   SRCPARAM L0000046     0.0018726592      3.40      4.00
3.16
   SRCPARAM L0000047     0.0018726592      3.40      4.00
3.16
   SRCPARAM L0000048     0.0018726592      3.40      4.00
```

```
3.16
   SRCPARAM L0000049     0.0018726592      3.40      4.00
3.16
   SRCPARAM L0000050     0.0018726592      3.40      4.00
3.16
   SRCPARAM L0000051     0.0018726592      3.40      4.00
3.16
   SRCPARAM L0000052     0.0018726592      3.40      4.00
3.16
   SRCPARAM L0000053     0.0018726592      3.40      4.00
3.16
   SRCPARAM L0000054     0.0018726592      3.40      4.00
3.16
   SRCPARAM L0000055     0.0018726592      3.40      4.00
3.16
   SRCPARAM L0000056     0.0018726592      3.40      4.00
3.16
   SRCPARAM L0000057     0.0018726592      3.40      4.00
3.16
   SRCPARAM L0000058     0.0018726592      3.40      4.00
3.16
   SRCPARAM L0000059     0.0018726592      3.40      4.00
3.16
   SRCPARAM L0000060     0.0018726592      3.40      4.00
3.16
   SRCPARAM L0000061     0.0018726592      3.40      4.00
3.16
   SRCPARAM L0000062     0.0018726592      3.40      4.00
3.16
   SRCPARAM L0000063     0.0018726592      3.40      4.00
3.16
   SRCPARAM L0000064     0.0018726592      3.40      4.00
3.16
   SRCPARAM L0000065     0.0018726592      3.40      4.00
3.16
   SRCPARAM L0000066     0.0018726592      3.40      4.00
3.16
   SRCPARAM L0000067     0.0018726592      3.40      4.00
3.16
   SRCPARAM L0000068     0.0018726592      3.40      4.00
3.16
   SRCPARAM L0000069     0.0018726592      3.40      4.00
3.16
   SRCPARAM L0000070     0.0018726592      3.40      4.00
3.16
   SRCPARAM L0000071     0.0018726592      3.40      4.00
3.16
   SRCPARAM L0000072     0.0018726592      3.40      4.00
3.16
   SRCPARAM L0000073     0.0018726592      3.40      4.00
3.16
   SRCPARAM L0000074     0.0018726592      3.40      4.00
```

```
3.16
   SRCPARAM L0000075     0.0018726592      3.40      4.00
3.16
   SRCPARAM L0000076     0.0018726592      3.40      4.00
3.16
   SRCPARAM L0000077     0.0018726592      3.40      4.00
3.16
   SRCPARAM L0000078     0.0018726592      3.40      4.00
3.16
   SRCPARAM L0000079     0.0018726592      3.40      4.00
3.16
   SRCPARAM L0000080     0.0018726592      3.40      4.00
3.16
   SRCPARAM L0000081     0.0018726592      3.40      4.00
3.16
   SRCPARAM L0000082     0.0018726592      3.40      4.00
3.16
   SRCPARAM L0000083     0.0018726592      3.40      4.00
3.16
   SRCPARAM L0000084     0.0018726592      3.40      4.00
3.16
   SRCPARAM L0000085     0.0018726592      3.40      4.00
3.16
   SRCPARAM L0000086     0.0018726592      3.40      4.00
3.16
   SRCPARAM L0000087     0.0018726592      3.40      4.00
3.16
   SRCPARAM L0000088     0.0018726592      3.40      4.00
3.16
   SRCPARAM L0000089     0.0018726592      3.40      4.00
3.16
   SRCPARAM L0000090     0.0018726592      3.40      4.00
3.16
   SRCPARAM L0000091     0.0018726592      3.40      4.00
3.16
   SRCPARAM L0000092     0.0018726592      3.40      4.00
3.16
   SRCPARAM L0000093     0.0018726592      3.40      4.00
3.16
   SRCPARAM L0000094     0.0018726592      3.40      4.00
3.16
   SRCPARAM L0000095     0.0018726592      3.40      4.00
3.16
   SRCPARAM L0000096     0.0018726592      3.40      4.00
3.16
   SRCPARAM L0000097     0.0018726592      3.40      4.00
3.16
   SRCPARAM L0000098     0.0018726592      3.40      4.00
3.16
   SRCPARAM L0000099     0.0018726592      3.40      4.00
3.16
   SRCPARAM L0000100     0.0018726592      3.40      4.00
```

```
3.16
   SRCPARAM L0000101     0.0018726592      3.40      4.00
3.16
   SRCPARAM L0000102     0.0018726592      3.40      4.00
3.16
   SRCPARAM L0000103     0.0018726592      3.40      4.00
3.16
   SRCPARAM L0000104     0.0018726592      3.40      4.00
3.16
   SRCPARAM L0000105     0.0018726592      3.40      4.00
3.16
   SRCPARAM L0000106     0.0018726592      3.40      4.00
3.16
   SRCPARAM L0000107     0.0018726592      3.40      4.00
3.16
   SRCPARAM L0000108     0.0018726592      3.40      4.00
3.16
   SRCPARAM L0000109     0.0018726592      3.40      4.00
3.16
   SRCPARAM L0000110     0.0018726592      3.40      4.00
3.16
   SRCPARAM L0000111     0.0018726592      3.40      4.00
3.16
   SRCPARAM L0000112     0.0018726592      3.40      4.00
3.16
   SRCPARAM L0000113     0.0018726592      3.40      4.00
3.16
   SRCPARAM L0000114     0.0018726592      3.40      4.00
3.16
   SRCPARAM L0000115     0.0018726592      3.40      4.00
3.16
   SRCPARAM L0000116     0.0018726592      3.40      4.00
3.16
   SRCPARAM L0000117     0.0018726592      3.40      4.00
3.16
   SRCPARAM L0000118     0.0018726592      3.40      4.00
3.16
   SRCPARAM L0000119     0.0018726592      3.40      4.00
3.16
   SRCPARAM L0000120     0.0018726592      3.40      4.00
3.16
   SRCPARAM L0000121     0.0018726592      3.40      4.00
3.16
   SRCPARAM L0000122     0.0018726592      3.40      4.00
3.16
   SRCPARAM L0000123     0.0018726592      3.40      4.00
3.16
   SRCPARAM L0000124     0.0018726592      3.40      4.00
3.16
   SRCPARAM L0000125     0.0018726592      3.40      4.00
3.16
   SRCPARAM L0000126     0.0018726592      3.40      4.00
```

```
3.16
   SRCPARAM L0000127     0.0018726592      3.40      4.00
3.16
   SRCPARAM L0000128     0.0018726592      3.40      4.00
3.16
   SRCPARAM L0000129     0.0018726592      3.40      4.00
3.16
   SRCPARAM L0000130     0.0018726592      3.40      4.00
3.16
   SRCPARAM L0000131     0.0018726592      3.40      4.00
3.16
   SRCPARAM L0000132     0.0018726592      3.40      4.00
3.16
   SRCPARAM L0000133     0.0018726592      3.40      4.00
3.16
   SRCPARAM L0000134     0.0018726592      3.40      4.00
3.16
   SRCPARAM L0000135     0.0018726592      3.40      4.00
3.16
   SRCPARAM L0000136     0.0018726592      3.40      4.00
3.16
   SRCPARAM L0000137     0.0018726592      3.40      4.00
3.16
   SRCPARAM L0000138     0.0018726592      3.40      4.00
3.16
   SRCPARAM L0000139     0.0018726592      3.40      4.00
3.16
   SRCPARAM L0000140     0.0018726592      3.40      4.00
3.16
   SRCPARAM L0000141     0.0018726592      3.40      4.00
3.16
   SRCPARAM L0000142     0.0018726592      3.40      4.00
3.16
   SRCPARAM L0000143     0.0018726592      3.40      4.00
3.16
   SRCPARAM L0000144     0.0018726592      3.40      4.00
3.16
   SRCPARAM L0000145     0.0018726592      3.40      4.00
3.16
   SRCPARAM L0000146     0.0018726592      3.40      4.00
3.16
   SRCPARAM L0000147     0.0018726592      3.40      4.00
3.16
   SRCPARAM L0000148     0.0018726592      3.40      4.00
3.16
   SRCPARAM L0000149     0.0018726592      3.40      4.00
3.16
   SRCPARAM L0000150     0.0018726592      3.40      4.00
3.16
   SRCPARAM L0000151     0.0018726592      3.40      4.00
3.16
   SRCPARAM L0000152     0.0018726592      3.40      4.00
```

```
3.16
   SRCPARAM L0000153     0.0018726592      3.40      4.00
3.16
   SRCPARAM L0000154     0.0018726592      3.40      4.00
3.16
   SRCPARAM L0000155     0.0018726592      3.40      4.00
3.16
   SRCPARAM L0000156     0.0018726592      3.40      4.00
3.16
   SRCPARAM L0000157     0.0018726592      3.40      4.00
3.16
   SRCPARAM L0000158     0.0018726592      3.40      4.00
3.16
   SRCPARAM L0000159     0.0018726592      3.40      4.00
3.16
   SRCPARAM L0000160     0.0018726592      3.40      4.00
3.16
   SRCPARAM L0000161     0.0018726592      3.40      4.00
3.16
   SRCPARAM L0000162     0.0018726592      3.40      4.00
3.16
   SRCPARAM L0000163     0.0018726592      3.40      4.00
3.16
   SRCPARAM L0000164     0.0018726592      3.40      4.00
3.16
   SRCPARAM L0000165     0.0018726592      3.40      4.00
3.16
   SRCPARAM L0000166     0.0018726592      3.40      4.00
3.16
   SRCPARAM L0000167     0.0018726592      3.40      4.00
3.16
   SRCPARAM L0000168     0.0018726592      3.40      4.00
3.16
   SRCPARAM L0000169     0.0018726592      3.40      4.00
3.16
   SRCPARAM L0000170     0.0018726592      3.40      4.00
3.16
   SRCPARAM L0000171     0.0018726592      3.40      4.00
3.16
   SRCPARAM L0000172     0.0018726592      3.40      4.00
3.16
   SRCPARAM L0000173     0.0018726592      3.40      4.00
3.16
   SRCPARAM L0000174     0.0018726592      3.40      4.00
3.16
   SRCPARAM L0000175     0.0018726592      3.40      4.00
3.16
   SRCPARAM L0000176     0.0018726592      3.40      4.00
3.16
   SRCPARAM L0000177     0.0018726592      3.40      4.00
3.16
   SRCPARAM L0000178     0.0018726592      3.40      4.00
```

```
3.16
   SRCPARAM L0000179     0.0018726592      3.40      4.00
3.16
   SRCPARAM L0000180     0.0018726592      3.40      4.00
3.16
   SRCPARAM L0000181     0.0018726592      3.40      4.00
3.16
   SRCPARAM L0000182     0.0018726592      3.40      4.00
3.16
   SRCPARAM L0000183     0.0018726592      3.40      4.00
3.16
   SRCPARAM L0000184     0.0018726592      3.40      4.00
3.16
   SRCPARAM L0000185     0.0018726592      3.40      4.00
3.16
   SRCPARAM L0000186     0.0018726592      3.40      4.00
3.16
   SRCPARAM L0000187     0.0018726592      3.40      4.00
3.16
   SRCPARAM L0000188     0.0018726592      3.40      4.00
3.16
   SRCPARAM L0000189     0.0018726592      3.40      4.00
3.16
   SRCPARAM L0000190     0.0018726592      3.40      4.00
3.16
   SRCPARAM L0000191     0.0018726592      3.40      4.00
3.16
   SRCPARAM L0000192     0.0018726592      3.40      4.00
3.16
   SRCPARAM L0000193     0.0018726592      3.40      4.00
3.16
   SRCPARAM L0000194     0.0018726592      3.40      4.00
3.16
   SRCPARAM L0000195     0.0018726592      3.40      4.00
3.16
   SRCPARAM L0000196     0.0018726592      3.40      4.00
3.16
   SRCPARAM L0000197     0.0018726592      3.40      4.00
3.16
   SRCPARAM L0000198     0.0018726592      3.40      4.00
3.16
   SRCPARAM L0000199     0.0018726592      3.40      4.00
3.16
   SRCPARAM L0000200     0.0018726592      3.40      4.00
3.16
   SRCPARAM L0000201     0.0018726592      3.40      4.00
3.16
   SRCPARAM L0000202     0.0018726592      3.40      4.00
3.16
   SRCPARAM L0000203     0.0018726592      3.40      4.00
3.16
   SRCPARAM L0000204     0.0018726592      3.40      4.00
```

```
3.16
   SRCPARAM L0000205     0.0018726592      3.40      4.00
3.16
   SRCPARAM L0000206     0.0018726592      3.40      4.00
3.16
   SRCPARAM L0000207     0.0018726592      3.40      4.00
3.16
   SRCPARAM L0000208     0.0018726592      3.40      4.00
3.16
   SRCPARAM L0000209     0.0018726592      3.40      4.00
3.16
   SRCPARAM L0000210     0.0018726592      3.40      4.00
3.16
   SRCPARAM L0000211     0.0018726592      3.40      4.00
3.16
   SRCPARAM L0000212     0.0018726592      3.40      4.00
3.16
   SRCPARAM L0000213     0.0018726592      3.40      4.00
3.16
   SRCPARAM L0000214     0.0018726592      3.40      4.00
3.16
   SRCPARAM L0000215     0.0018726592      3.40      4.00
3.16
   SRCPARAM L0000216     0.0018726592      3.40      4.00
3.16
   SRCPARAM L0000217     0.0018726592      3.40      4.00
3.16
   SRCPARAM L0000218     0.0018726592      3.40      4.00
3.16
   SRCPARAM L0000219     0.0018726592      3.40      4.00
3.16
   SRCPARAM L0000220     0.0018726592      3.40      4.00
3.16
   SRCPARAM L0000221     0.0018726592      3.40      4.00
3.16
   SRCPARAM L0000222     0.0018726592      3.40      4.00
3.16
   SRCPARAM L0000223     0.0018726592      3.40      4.00
3.16
   SRCPARAM L0000224     0.0018726592      3.40      4.00
3.16
   SRCPARAM L0000225     0.0018726592      3.40      4.00
3.16
   SRCPARAM L0000226     0.0018726592      3.40      4.00
3.16
   SRCPARAM L0000227     0.0018726592      3.40      4.00
3.16
   SRCPARAM L0000228     0.0018726592      3.40      4.00
3.16
   SRCPARAM L0000229     0.0018726592      3.40      4.00
3.16
   SRCPARAM L0000230     0.0018726592      3.40      4.00
```

```
3.16
   SRCPARAM L0000231     0.0018726592      3.40      4.00
3.16
   SRCPARAM L0000232     0.0018726592      3.40      4.00
3.16
   SRCPARAM L0000233     0.0018726592      3.40      4.00
3.16
   SRCPARAM L0000234     0.0018726592      3.40      4.00
3.16
   SRCPARAM L0000235     0.0018726592      3.40      4.00
3.16
   SRCPARAM L0000236     0.0018726592      3.40      4.00
3.16
   SRCPARAM L0000237     0.0018726592      3.40      4.00
3.16
   SRCPARAM L0000238     0.0018726592      3.40      4.00
3.16
   SRCPARAM L0000239     0.0018726592      3.40      4.00
3.16
   SRCPARAM L0000240     0.0018726592      3.40      4.00
3.16
   SRCPARAM L0000241     0.0018726592      3.40      4.00
3.16
   SRCPARAM L0000242     0.0018726592      3.40      4.00
3.16
   SRCPARAM L0000243     0.0018726592      3.40      4.00
3.16
   SRCPARAM L0000244     0.0018726592      3.40      4.00
3.16
   SRCPARAM L0000245     0.0018726592      3.40      4.00
3.16
   SRCPARAM L0000246     0.0018726592      3.40      4.00
3.16
   SRCPARAM L0000247     0.0018726592      3.40      4.00
3.16
   SRCPARAM L0000248     0.0018726592      3.40      4.00
3.16
   SRCPARAM L0000249     0.0018726592      3.40      4.00
3.16
   SRCPARAM L0000250     0.0018726592      3.40      4.00
3.16
   SRCPARAM L0000251     0.0018726592      3.40      4.00
3.16
   SRCPARAM L0000252     0.0018726592      3.40      4.00
3.16
   SRCPARAM L0000253     0.0018726592      3.40      4.00
3.16
   SRCPARAM L0000254     0.0018726592      3.40      4.00
3.16
   SRCPARAM L0000255     0.0018726592      3.40      4.00
3.16
   SRCPARAM L0000256     0.0018726592      3.40      4.00
```

```
3.16
   SRCPARAM L0000257     0.0018726592      3.40      4.00
3.16
   SRCPARAM L0000258     0.0018726592      3.40      4.00
3.16
   SRCPARAM L0000259     0.0018726592      3.40      4.00
3.16
   SRCPARAM L0000260     0.0018726592      3.40      4.00
3.16
   SRCPARAM L0000261     0.0018726592      3.40      4.00
3.16
   SRCPARAM L0000262     0.0018726592      3.40      4.00
3.16
   SRCPARAM L0000263     0.0018726592      3.40      4.00
3.16
   SRCPARAM L0000264     0.0018726592      3.40      4.00
3.16
   SRCPARAM L0000265     0.0018726592      3.40      4.00
3.16
   SRCPARAM L0000266     0.0018726592      3.40      4.00
3.16
   SRCPARAM L0000267     0.0018726592      3.40      4.00
3.16
   SRCPARAM L0000268     0.0018726592      3.40      4.00
3.16
   SRCPARAM L0000269     0.0018726592      3.40      4.00
3.16
   SRCPARAM L0000270     0.0018726592      3.40      4.00
3.16
   SRCPARAM L0000271     0.0018726592      3.40      4.00
3.16
   SRCPARAM L0000272     0.0018726592      3.40      4.00
3.16
   SRCPARAM L0000273     0.0018726592      3.40      4.00
3.16
   SRCPARAM L0000274     0.0018726592      3.40      4.00
3.16
   SRCPARAM L0000275     0.0018726592      3.40      4.00
3.16
   SRCPARAM L0000276     0.0018726592      3.40      4.00
3.16
   SRCPARAM L0000277     0.0018726592      3.40      4.00
3.16
   SRCPARAM L0000278     0.0018726592      3.40      4.00
3.16
   SRCPARAM L0000279     0.0018726592      3.40      4.00
3.16
   SRCPARAM L0000280     0.0018726592      3.40      4.00
3.16
   SRCPARAM L0000281     0.0018726592      3.40      4.00
3.16
   SRCPARAM L0000282     0.0018726592      3.40      4.00
```

```
3.16
   SRCPARAM L0000283     0.0018726592      3.40      4.00
3.16
   SRCPARAM L0000284     0.0018726592      3.40      4.00
3.16
   SRCPARAM L0000285     0.0018726592      3.40      4.00
3.16
   SRCPARAM L0000286     0.0018726592      3.40      4.00
3.16
   SRCPARAM L0000287     0.0018726592      3.40      4.00
3.16
   SRCPARAM L0000288     0.0018726592      3.40      4.00
3.16
   SRCPARAM L0000289     0.0018726592      3.40      4.00
3.16
   SRCPARAM L0000290     0.0018726592      3.40      4.00
3.16
   SRCPARAM L0000291     0.0018726592      3.40      4.00
3.16
   SRCPARAM L0000292     0.0018726592      3.40      4.00
3.16
   SRCPARAM L0000293     0.0018726592      3.40      4.00
3.16
   SRCPARAM L0000294     0.0018726592      3.40      4.00
3.16
   SRCPARAM L0000295     0.0018726592      3.40      4.00
3.16
   SRCPARAM L0000296     0.0018726592      3.40      4.00
3.16
   SRCPARAM L0000297     0.0018726592      3.40      4.00
3.16
   SRCPARAM L0000298     0.0018726592      3.40      4.00
3.16
   SRCPARAM L0000299     0.0018726592      3.40      4.00
3.16
   SRCPARAM L0000300     0.0018726592      3.40      4.00
3.16
   SRCPARAM L0000301     0.0018726592      3.40      4.00
3.16
   SRCPARAM L0000302     0.0018726592      3.40      4.00
3.16
   SRCPARAM L0000303     0.0018726592      3.40      4.00
3.16
   SRCPARAM L0000304     0.0018726592      3.40      4.00
3.16
   SRCPARAM L0000305     0.0018726592      3.40      4.00
3.16
   SRCPARAM L0000306     0.0018726592      3.40      4.00
3.16
   SRCPARAM L0000307     0.0018726592      3.40      4.00
3.16
   SRCPARAM L0000308     0.0018726592      3.40      4.00
```

```
3.16
   SRCPARAM L0000309     0.0018726592      3.40      4.00
3.16
   SRCPARAM L0000310     0.0018726592      3.40      4.00
3.16
   SRCPARAM L0000311     0.0018726592      3.40      4.00
3.16
   SRCPARAM L0000312     0.0018726592      3.40      4.00
3.16
   SRCPARAM L0000313     0.0018726592      3.40      4.00
3.16
   SRCPARAM L0000314     0.0018726592      3.40      4.00
3.16
   SRCPARAM L0000315     0.0018726592      3.40      4.00
3.16
   SRCPARAM L0000316     0.0018726592      3.40      4.00
3.16
   SRCPARAM L0000317     0.0018726592      3.40      4.00
3.16
   SRCPARAM L0000318     0.0018726592      3.40      4.00
3.16
   SRCPARAM L0000319     0.0018726592      3.40      4.00
3.16
   SRCPARAM L0000320     0.0018726592      3.40      4.00
3.16
   SRCPARAM L0000321     0.0018726592      3.40      4.00
3.16
   SRCPARAM L0000322     0.0018726592      3.40      4.00
3.16
   SRCPARAM L0000323     0.0018726592      3.40      4.00
3.16
   SRCPARAM L0000324     0.0018726592      3.40      4.00
3.16
   SRCPARAM L0000325     0.0018726592      3.40      4.00
3.16
   SRCPARAM L0000326     0.0018726592      3.40      4.00
3.16
   SRCPARAM L0000327     0.0018726592      3.40      4.00
3.16
   SRCPARAM L0000328     0.0018726592      3.40      4.00
3.16
   SRCPARAM L0000329     0.0018726592      3.40      4.00
3.16
   SRCPARAM L0000330     0.0018726592      3.40      4.00
3.16
   SRCPARAM L0000331     0.0018726592      3.40      4.00
3.16
   SRCPARAM L0000332     0.0018726592      3.40      4.00
3.16
   SRCPARAM L0000333     0.0018726592      3.40      4.00
3.16
   SRCPARAM L0000334     0.0018726592      3.40      4.00
```

```
3.16
   SRCPARAM L0000335     0.0018726592      3.40      4.00
3.16
   SRCPARAM L0000336     0.0018726592      3.40      4.00
3.16
   SRCPARAM L0000337     0.0018726592      3.40      4.00
3.16
   SRCPARAM L0000338     0.0018726592      3.40      4.00
3.16
   SRCPARAM L0000339     0.0018726592      3.40      4.00
3.16
   SRCPARAM L0000340     0.0018726592      3.40      4.00
3.16
   SRCPARAM L0000341     0.0018726592      3.40      4.00
3.16
   SRCPARAM L0000342     0.0018726592      3.40      4.00
3.16
   SRCPARAM L0000343     0.0018726592      3.40      4.00
3.16
   SRCPARAM L0000344     0.0018726592      3.40      4.00
3.16
   SRCPARAM L0000345     0.0018726592      3.40      4.00
3.16
   SRCPARAM L0000346     0.0018726592      3.40      4.00
3.16
   SRCPARAM L0000347     0.0018726592      3.40      4.00
3.16
   SRCPARAM L0000348     0.0018726592      3.40      4.00
3.16
   SRCPARAM L0000349     0.0018726592      3.40      4.00
3.16
   SRCPARAM L0000350     0.0018726592      3.40      4.00
3.16
   SRCPARAM L0000351     0.0018726592      3.40      4.00
3.16
   SRCPARAM L0000352     0.0018726592      3.40      4.00
3.16
   SRCPARAM L0000353     0.0018726592      3.40      4.00
3.16
   SRCPARAM L0000354     0.0018726592      3.40      4.00
3.16
   SRCPARAM L0000355     0.0018726592      3.40      4.00
3.16
   SRCPARAM L0000356     0.0018726592      3.40      4.00
3.16
   SRCPARAM L0000357     0.0018726592      3.40      4.00
3.16
   SRCPARAM L0000358     0.0018726592      3.40      4.00
3.16
   SRCPARAM L0000359     0.0018726592      3.40      4.00
3.16
   SRCPARAM L0000360     0.0018726592      3.40      4.00
```

```
3.16
   SRCPARAM L0000361     0.0018726592      3.40      4.00
3.16
   SRCPARAM L0000362     0.0018726592      3.40      4.00
3.16
   SRCPARAM L0000363     0.0018726592      3.40      4.00
3.16
   SRCPARAM L0000364     0.0018726592      3.40      4.00
3.16
   SRCPARAM L0000365     0.0018726592      3.40      4.00
3.16
   SRCPARAM L0000366     0.0018726592      3.40      4.00
3.16
   SRCPARAM L0000367     0.0018726592      3.40      4.00
3.16
   SRCPARAM L0000368     0.0018726592      3.40      4.00
3.16
   SRCPARAM L0000369     0.0018726592      3.40      4.00
3.16
   SRCPARAM L0000370     0.0018726592      3.40      4.00
3.16
   SRCPARAM L0000371     0.0018726592      3.40      4.00
3.16
   SRCPARAM L0000372     0.0018726592      3.40      4.00
3.16
   SRCPARAM L0000373     0.0018726592      3.40      4.00
3.16
   SRCPARAM L0000374     0.0018726592      3.40      4.00
3.16
   SRCPARAM L0000375     0.0018726592      3.40      4.00
3.16
   SRCPARAM L0000376     0.0018726592      3.40      4.00
3.16
   SRCPARAM L0000377     0.0018726592      3.40      4.00
3.16
   SRCPARAM L0000378     0.0018726592      3.40      4.00
3.16
   SRCPARAM L0000379     0.0018726592      3.40      4.00
3.16
   SRCPARAM L0000380     0.0018726592      3.40      4.00
3.16
   SRCPARAM L0000381     0.0018726592      3.40      4.00
3.16
   SRCPARAM L0000382     0.0018726592      3.40      4.00
3.16
   SRCPARAM L0000383     0.0018726592      3.40      4.00
3.16
   SRCPARAM L0000384     0.0018726592      3.40      4.00
3.16
   SRCPARAM L0000385     0.0018726592      3.40      4.00
3.16
   SRCPARAM L0000386     0.0018726592      3.40      4.00
```

```
3.16
   SRCPARAM L0000387     0.0018726592      3.40      4.00
3.16
   SRCPARAM L0000388     0.0018726592      3.40      4.00
3.16
   SRCPARAM L0000389     0.0018726592      3.40      4.00
3.16
   SRCPARAM L0000390     0.0018726592      3.40      4.00
3.16
   SRCPARAM L0000391     0.0018726592      3.40      4.00
3.16
   SRCPARAM L0000392     0.0018726592      3.40      4.00
3.16
   SRCPARAM L0000393     0.0018726592      3.40      4.00
3.16
   SRCPARAM L0000394     0.0018726592      3.40      4.00
3.16
   SRCPARAM L0000395     0.0018726592      3.40      4.00
3.16
   SRCPARAM L0000396     0.0018726592      3.40      4.00
3.16
   SRCPARAM L0000397     0.0018726592      3.40      4.00
3.16
   SRCPARAM L0000398     0.0018726592      3.40      4.00
3.16
   SRCPARAM L0000399     0.0018726592      3.40      4.00
3.16
   SRCPARAM L0000400     0.0018726592      3.40      4.00
3.16
   SRCPARAM L0000401     0.0018726592      3.40      4.00
3.16
   SRCPARAM L0000402     0.0018726592      3.40      4.00
3.16
   SRCPARAM L0000403     0.0018726592      3.40      4.00
3.16
   SRCPARAM L0000404     0.0018726592      3.40      4.00
3.16
   SRCPARAM L0000405     0.0018726592      3.40      4.00
3.16
   SRCPARAM L0000406     0.0018726592      3.40      4.00
3.16
   SRCPARAM L0000407     0.0018726592      3.40      4.00
3.16
   SRCPARAM L0000408     0.0018726592      3.40      4.00
3.16
   SRCPARAM L0000409     0.0018726592      3.40      4.00
3.16
   SRCPARAM L0000410     0.0018726592      3.40      4.00
3.16
   SRCPARAM L0000411     0.0018726592      3.40      4.00
3.16
   SRCPARAM L0000412     0.0018726592      3.40      4.00
```

```
3.16
   SRCPARAM L0000413     0.0018726592      3.40      4.00
3.16
   SRCPARAM L0000414     0.0018726592      3.40      4.00
3.16
   SRCPARAM L0000415     0.0018726592      3.40      4.00
3.16
   SRCPARAM L0000416     0.0018726592      3.40      4.00
3.16
   SRCPARAM L0000417     0.0018726592      3.40      4.00
3.16
   SRCPARAM L0000418     0.0018726592      3.40      4.00
3.16
   SRCPARAM L0000419     0.0018726592      3.40      4.00
3.16
   SRCPARAM L0000420     0.0018726592      3.40      4.00
3.16
   SRCPARAM L0000421     0.0018726592      3.40      4.00
3.16
   SRCPARAM L0000422     0.0018726592      3.40      4.00
3.16
   SRCPARAM L0000423     0.0018726592      3.40      4.00
3.16
   SRCPARAM L0000424     0.0018726592      3.40      4.00
3.16
   SRCPARAM L0000425     0.0018726592      3.40      4.00
3.16
   SRCPARAM L0000426     0.0018726592      3.40      4.00
3.16
   SRCPARAM L0000427     0.0018726592      3.40      4.00
3.16
   SRCPARAM L0000428     0.0018726592      3.40      4.00
3.16
   SRCPARAM L0000429     0.0018726592      3.40      4.00
3.16
   SRCPARAM L0000430     0.0018726592      3.40      4.00
3.16
   SRCPARAM L0000431     0.0018726592      3.40      4.00
3.16
   SRCPARAM L0000432     0.0018726592      3.40      4.00
3.16
   SRCPARAM L0000433     0.0018726592      3.40      4.00
3.16
   SRCPARAM L0000434     0.0018726592      3.40      4.00
3.16
   SRCPARAM L0000435     0.0018726592      3.40      4.00
3.16
   SRCPARAM L0000436     0.0018726592      3.40      4.00
3.16
   SRCPARAM L0000437     0.0018726592      3.40      4.00
3.16
   SRCPARAM L0000438     0.0018726592      3.40      4.00
```

```
3.16
   SRCPARAM L0000439     0.0018726592      3.40      4.00
3.16
   SRCPARAM L0000440     0.0018726592      3.40      4.00
3.16
   SRCPARAM L0000441     0.0018726592      3.40      4.00
3.16
   SRCPARAM L0000442     0.0018726592      3.40      4.00
3.16
   SRCPARAM L0000443     0.0018726592      3.40      4.00
3.16
   SRCPARAM L0000444     0.0018726592      3.40      4.00
3.16
   SRCPARAM L0000445     0.0018726592      3.40      4.00
3.16
   SRCPARAM L0000446     0.0018726592      3.40      4.00
3.16
   SRCPARAM L0000447     0.0018726592      3.40      4.00
3.16
   SRCPARAM L0000448     0.0018726592      3.40      4.00
3.16
   SRCPARAM L0000449     0.0018726592      3.40      4.00
3.16
   SRCPARAM L0000450     0.0018726592      3.40      4.00
3.16
   SRCPARAM L0000451     0.0018726592      3.40      4.00
3.16
   SRCPARAM L0000452     0.0018726592      3.40      4.00
3.16
   SRCPARAM L0000453     0.0018726592      3.40      4.00
3.16
   SRCPARAM L0000454     0.0018726592      3.40      4.00
3.16
   SRCPARAM L0000455     0.0018726592      3.40      4.00
3.16
   SRCPARAM L0000456     0.0018726592      3.40      4.00
3.16
   SRCPARAM L0000457     0.0018726592      3.40      4.00
3.16
   SRCPARAM L0000458     0.0018726592      3.40      4.00
3.16
   SRCPARAM L0000459     0.0018726592      3.40      4.00
3.16
   SRCPARAM L0000460     0.0018726592      3.40      4.00
3.16
   SRCPARAM L0000461     0.0018726592      3.40      4.00
3.16
   SRCPARAM L0000462     0.0018726592      3.40      4.00
3.16
   SRCPARAM L0000463     0.0018726592      3.40      4.00
3.16
   SRCPARAM L0000464     0.0018726592      3.40      4.00
```

```
3.16
   SRCPARAM L0000465     0.0018726592      3.40      4.00
3.16
   SRCPARAM L0000466     0.0018726592      3.40      4.00
3.16
   SRCPARAM L0000467     0.0018726592      3.40      4.00
3.16
   SRCPARAM L0000468     0.0018726592      3.40      4.00
3.16
   SRCPARAM L0000469     0.0018726592      3.40      4.00
3.16
   SRCPARAM L0000470     0.0018726592      3.40      4.00
3.16
   SRCPARAM L0000471     0.0018726592      3.40      4.00
3.16
   SRCPARAM L0000472     0.0018726592      3.40      4.00
3.16
   SRCPARAM L0000473     0.0018726592      3.40      4.00
3.16
   SRCPARAM L0000474     0.0018726592      3.40      4.00
3.16
   SRCPARAM L0000475     0.0018726592      3.40      4.00
3.16
   SRCPARAM L0000476     0.0018726592      3.40      4.00
3.16
   SRCPARAM L0000477     0.0018726592      3.40      4.00
3.16
   SRCPARAM L0000478     0.0018726592      3.40      4.00
3.16
   SRCPARAM L0000479     0.0018726592      3.40      4.00
3.16
   SRCPARAM L0000480     0.0018726592      3.40      4.00
3.16
   SRCPARAM L0000481     0.0018726592      3.40      4.00
3.16
   SRCPARAM L0000482     0.0018726592      3.40      4.00
3.16
   SRCPARAM L0000483     0.0018726592      3.40      4.00
3.16
   SRCPARAM L0000484     0.0018726592      3.40      4.00
3.16
   SRCPARAM L0000485     0.0018726592      3.40      4.00
3.16
   SRCPARAM L0000486     0.0018726592      3.40      4.00
3.16
   SRCPARAM L0000487     0.0018726592      3.40      4.00
3.16
   SRCPARAM L0000488     0.0018726592      3.40      4.00
3.16
   SRCPARAM L0000489     0.0018726592      3.40      4.00
3.16
   SRCPARAM L0000490     0.0018726592      3.40      4.00
```

```
3.16
   SRCPARAM L0000491     0.0018726592      3.40      4.00
3.16
   SRCPARAM L0000492     0.0018726592      3.40      4.00
3.16
   SRCPARAM L0000493     0.0018726592      3.40      4.00
3.16
   SRCPARAM L0000494     0.0018726592      3.40      4.00
3.16
   SRCPARAM L0000495     0.0018726592      3.40      4.00
3.16
   SRCPARAM L0000496     0.0018726592      3.40      4.00
3.16
   SRCPARAM L0000497     0.0018726592      3.40      4.00
3.16
   SRCPARAM L0000498     0.0018726592      3.40      4.00
3.16
   SRCPARAM L0000499     0.0018726592      3.40      4.00
3.16
   SRCPARAM L0000500     0.0018726592      3.40      4.00
3.16
   SRCPARAM L0000501     0.0018726592      3.40      4.00
3.16
   SRCPARAM L0000502     0.0018726592      3.40      4.00
3.16
   SRCPARAM L0000503     0.0018726592      3.40      4.00
3.16
   SRCPARAM L0000504     0.0018726592      3.40      4.00
3.16
   SRCPARAM L0000505     0.0018726592      3.40      4.00
3.16
   SRCPARAM L0000506     0.0018726592      3.40      4.00
3.16
   SRCPARAM L0000507     0.0018726592      3.40      4.00
3.16
   SRCPARAM L0000508     0.0018726592      3.40      4.00
3.16
   SRCPARAM L0000509     0.0018726592      3.40      4.00
3.16
   SRCPARAM L0000510     0.0018726592      3.40      4.00
3.16
   SRCPARAM L0000511     0.0018726592      3.40      4.00
3.16
   SRCPARAM L0000512     0.0018726592      3.40      4.00
3.16
   SRCPARAM L0000513     0.0018726592      3.40      4.00
3.16
   SRCPARAM L0000514     0.0018726592      3.40      4.00
3.16
   SRCPARAM L0000515     0.0018726592      3.40      4.00
3.16
   SRCPARAM L0000516     0.0018726592      3.40      4.00
```

```
3.16
   SRCPARAM L0000517     0.0018726592      3.40      4.00
3.16
   SRCPARAM L0000518     0.0018726592      3.40      4.00
3.16
   SRCPARAM L0000519     0.0018726592      3.40      4.00
3.16
   SRCPARAM L0000520     0.0018726592      3.40      4.00
3.16
   SRCPARAM L0000521     0.0018726592      3.40      4.00
3.16
   SRCPARAM L0000522     0.0018726592      3.40      4.00
3.16
   SRCPARAM L0000523     0.0018726592      3.40      4.00
3.16
   SRCPARAM L0000524     0.0018726592      3.40      4.00
3.16
   SRCPARAM L0000525     0.0018726592      3.40      4.00
3.16
   SRCPARAM L0000526     0.0018726592      3.40      4.00
3.16
   SRCPARAM L0000527     0.0018726592      3.40      4.00
3.16
   SRCPARAM L0000528     0.0018726592      3.40      4.00
3.16
   SRCPARAM L0000529     0.0018726592      3.40      4.00
3.16
   SRCPARAM L0000530     0.0018726592      3.40      4.00
3.16
   SRCPARAM L0000531     0.0018726592      3.40      4.00
3.16
   SRCPARAM L0000532     0.0018726592      3.40      4.00
3.16
   SRCPARAM L0000533     0.0018726592      3.40      4.00
3.16
   SRCPARAM L0000534     0.0018726592      3.40      4.00
3.16
** ------------------------------------------------------------------
-------
   URBANSRC ALL
   SRCGROUP ALL
SO FINISHED
**
**************************************
** AERMOD Receptor Pathway
**************************************
**
**
RE STARTING
   INCLUDED "JPI Fontana Residential.rou"
RE FINISHED
**
```

```
**************************************
** AERMOD Meteorology Pathway
**************************************
**
**
ME STARTING
   SURFFILE ..\FONT_V9_ADJU\FONT_v9.SFC
   PROFFILE ..\FONT_V9_ADJU\FONT_v9.PFL
   SURFDATA 3102 2011
   UAIRDATA 3190 2011
   SITEDATA 99999 2011
   PROFBASE 1237.0 METERS
ME FINISHED
**
**************************************
** AERMOD Output Pathway
**************************************
**
**
OU STARTING
   RECTABLE ALLAVE 1ST
   RECTABLE 1 1ST
** Auto-Generated Plotfiles
   PLOTFILE 1 ALL 1ST "JPI Fontana Residential.AD\01H1GALL.PLT"
31
   PLOTFILE PERIOD ALL "JPI Fontana Residential.AD\PE00GALL.PLT"
32
   SUMMFILE "JPI Fontana Residential.sum"
OU FINISHED


  *** Message Summary For AERMOD Model Setup ***

  --------- Summary of Total Messages --------

 A Total of            0 Fatal Error Message(s)
 A Total of            2 Warning Message(s)
 A Total of            0 Informational Message(s)


    ******** FATAL ERROR MESSAGES ********
               ***  NONE  ***


    ********   WARNING MESSAGES   ********
 ME W186    1190       MEOPEN: THRESH_1MIN 1-min ASOS wind speed
threshold used          0.50
 ME W187    1190       MEOPEN: ADJ_U* Option for Stable Low Winds
used in AERMET

 ***********************************
 *** SETUP Finishes Successfully ***
```

****

```
 *** AERMOD - VERSION 21112  ***   *** C:\Users\nlorenzen\Desktop
\HARP2\JPI Fontanta\JPI Fontana Residentia ***        11/17/22
 *** AERMET - VERSION  16216 ***   ***
***        09:10:29

PAGE   1
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                                                ***     MODEL SETUP
OPTIONS SUMMARY       ***
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -

 **Model Is Setup For Calculation of Average CONCentration
Values.

   --  DEPOSITION LOGIC  --
 **NO GAS DEPOSITION Data Provided.
 **NO PARTICLE DEPOSITION Data Provided.
 **Model Uses NO DRY DEPLETION.  DRYDPLT  =  F
 **Model Uses NO WET DEPLETION.  WETDPLT  =  F

 **Model Uses URBAN Dispersion Algorithm for the SBL for   534
Source(s),
   for Total of    1 Urban Area(s):
   Urban Population =   2035210.0 ;  Urban Roughness Length =
1.000 m

 **Model Uses Regulatory DEFAULT Options:
        1. Stack-tip Downwash.
        2. Model Accounts for ELEVated Terrain Effects.
        3. Use Calms Processing Routine.
        4. Use Missing Data Processing Routine.
        5. No Exponential Decay.
        6. Urban Roughness Length of 1.0 Meter Assumed.

 **Other Options Specified:
        ADJ_U*   - Use ADJ_U* option for SBL in AERMET
        TEMP_Sub - Meteorological data includes TEMP
substitutions

 **Model Assumes No FLAGPOLE Receptor Heights.

 **The User Specified a Pollutant Type of:  PM_10

 **Model Calculates  1 Short Term Average(s) of:   1-HR
    and Calculates PERIOD Averages

 **This Run Includes:    534 Source(s);       1 Source Group(s);
and     964 Receptor(s)

               with:      0 POINT(s), including
```

```
                              0 POINTCAP(s) and      0 POINTHOR(s)
                  and:    534 VOLUME source(s)
                  and:      0 AREA type source(s)
                  and:      0 LINE source(s)
                  and:      0 RLINE/RLINEXT source(s)
                  and:      0 OPENPIT source(s)
                  and:      0 BUOYANT LINE source(s) with a total
of     0 line(s)


 **Model Set To Continue RUNning After the Setup Testing.

 **The AERMET Input Meteorological Data Version Date:  16216

 **Output Options Selected:
          Model Outputs Tables of PERIOD Averages by Receptor
          Model Outputs Tables of Highest Short Term Values by
Receptor (RECTABLE Keyword)
          Model Outputs External File(s) of High Values for
Plotting (PLOTFILE Keyword)
          Model Outputs Separate Summary File of High Ranked
Values (SUMMFILE Keyword)

 **NOTE:  The Following Flags May Appear Following CONC Values:
c for Calm Hours

m for Missing Hours

b for Both Calm and Missing Hours

 **Misc. Inputs:  Base Elev. for Pot. Temp. Profile (m MSL) =
1237.00 ;  Decay Coef. =    0.000     ;  Rot. Angle =     0.0
                  Emission Units =
GRAMS/SEC                                 ;  Emission Rate Unit
Factor =   0.10000E+07
                  Output Units   = MICROGRAMS/M**3

 **Approximate Storage Requirements of Model =      3.8 MB of
RAM.

 **Input Runstream File:          aermod.inp
 **Output Print File:             aermod.out

 **Detailed Error/Message File:   JPI Fontana Residential.err
 **File for Summary of Results:   JPI Fontana Residential.sum
```

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0000001	0	0.18727E-02	459214.7	3769749.5	337.1	3.40	4.00	3.16	YES	
L0000002	0	0.18727E-02	459214.9	3769758.1	337.4	3.40	4.00	3.16	YES	
L0000003	0	0.18727E-02	459215.1	3769766.7	337.6	3.40	4.00	3.16	YES	
L0000004	0	0.18727E-02	459215.3	3769775.3	337.7	3.40	4.00	3.16	YES	
L0000005	0	0.18727E-02	459215.5	3769783.9	337.8	3.40	4.00	3.16	YES	
L0000006	0	0.18727E-02	459215.7	3769792.5	337.9	3.40	4.00	3.16	YES	
L0000007	0	0.18727E-02	459215.9	3769801.1	338.0	3.40	4.00	3.16	YES	
L0000008	0	0.18727E-02	459216.1	3769809.7	338.1	3.40	4.00	3.16	YES	
L0000009	0	0.18727E-02	459216.3	3769818.3	338.2	3.40	4.00	3.16	YES	
L0000010	0	0.18727E-02	459216.5	3769826.9	338.3	3.40	4.00	3.16	YES	
L0000011	0	0.18727E-02	459216.8	3769835.5	338.4	3.40	4.00	3.16	YES	
L0000012	0	0.18727E-02	459218.3	3769842.7	338.3	3.40	4.00	3.16	YES	
L0000013	0	0.18727E-02	459226.9	3769842.6	338.3	3.40	4.00	3.16	YES	
L0000014	0	0.18727E-02	459235.5	3769842.4	338.2	3.40	4.00	3.16	YES	
L0000015	0	0.18727E-02	459244.1	3769842.3	338.2	3.40	4.00	3.16	YES	
L0000016	0	0.18727E-02	459252.7	3769842.1	338.2					

```
3.40     4.00     3.16     YES
 L0000017         0   0.18727E-02  459261.3 3769842.0   338.2
3.40     4.00     3.16     YES
 L0000018         0   0.18727E-02  459269.9 3769841.8   338.1
3.40     4.00     3.16     YES
 L0000019         0   0.18727E-02  459278.5 3769841.7   338.0
3.40     4.00     3.16     YES
 L0000020         0   0.18727E-02  459287.1 3769841.6   338.0
3.40     4.00     3.16     YES
 L0000021         0   0.18727E-02  459295.7 3769841.4   338.0
3.40     4.00     3.16     YES
 L0000022         0   0.18727E-02  459304.3 3769841.3   338.0
3.40     4.00     3.16     YES
 L0000023         0   0.18727E-02  459312.9 3769841.1   338.0
3.40     4.00     3.16     YES
 L0000024         0   0.18727E-02  459321.5 3769841.0   338.0
3.40     4.00     3.16     YES
 L0000025         0   0.18727E-02  459330.1 3769840.8   338.0
3.40     4.00     3.16     YES
 L0000026         0   0.18727E-02  459338.7 3769840.7   338.0
3.40     4.00     3.16     YES
 L0000027         0   0.18727E-02  459347.3 3769840.5   338.0
3.40     4.00     3.16     YES
 L0000028         0   0.18727E-02  459355.9 3769840.4   338.1
3.40     4.00     3.16     YES
 L0000029         0   0.18727E-02  459364.5 3769840.2   338.1
3.40     4.00     3.16     YES
 L0000030         0   0.18727E-02  459373.1 3769840.1   338.2
3.40     4.00     3.16     YES
 L0000031         0   0.18727E-02  459381.7 3769839.9   338.3
3.40     4.00     3.16     YES
 L0000032         0   0.18727E-02  459390.3 3769839.8   338.4
3.40     4.00     3.16     YES
 L0000033         0   0.18727E-02  459392.2 3769846.3   338.4
3.40     4.00     3.16     YES
 L0000034         0   0.18727E-02  459392.0 3769854.9   338.6
3.40     4.00     3.16     YES
 L0000035         0   0.18727E-02  459391.9 3769863.5   338.7
3.40     4.00     3.16     YES
 L0000036         0   0.18727E-02  459391.7 3769872.1   338.8
3.40     4.00     3.16     YES
 L0000037         0   0.18727E-02  459391.5 3769880.7   338.9
3.40     4.00     3.16     YES
 L0000038         0   0.18727E-02  459391.3 3769889.3   338.9
3.40     4.00     3.16     YES
 L0000039         0   0.18727E-02  459391.1 3769897.9   339.0
3.40     4.00     3.16     YES
 L0000040         0   0.18727E-02  459390.9 3769906.5   339.1
3.40     4.00     3.16     YES
```

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0000041	0	0.18727E-02	459390.8	3769915.1	339.2	3.40	4.00	3.16	YES	
L0000042	0	0.18727E-02	459390.6	3769923.7	339.4	3.40	4.00	3.16	YES	
L0000043	0	0.18727E-02	459390.4	3769932.3	339.5	3.40	4.00	3.16	YES	
L0000044	0	0.18727E-02	459390.2	3769940.8	339.7	3.40	4.00	3.16	YES	
L0000045	0	0.18727E-02	459390.0	3769949.4	339.7	3.40	4.00	3.16	YES	
L0000046	0	0.18727E-02	459389.9	3769958.0	339.9	3.40	4.00	3.16	YES	
L0000047	0	0.18727E-02	459389.7	3769966.6	340.0	3.40	4.00	3.16	YES	
L0000048	0	0.18727E-02	459389.5	3769975.2	340.1	3.40	4.00	3.16	YES	
L0000049	0	0.18727E-02	459389.3	3769983.8	340.3	3.40	4.00	3.16	YES	
L0000050	0	0.18727E-02	459389.1	3769992.4	340.4	3.40	4.00	3.16	YES	
L0000051	0	0.18727E-02	459388.9	3770001.0	340.5	3.40	4.00	3.16	YES	
L0000052	0	0.18727E-02	459388.8	3770009.6	340.6	3.40	4.00	3.16	YES	
L0000053	0	0.18727E-02	459388.6	3770018.2	340.8	3.40	4.00	3.16	YES	
L0000054	0	0.18727E-02	459388.4	3770026.8	341.1	3.40	4.00	3.16	YES	
L0000055	0	0.18727E-02	459388.2	3770035.4	341.3	3.40	4.00	3.16	YES	
L0000056	0	0.18727E-02	459380.8	3770036.3	341.2					

```
3.40     4.00     3.16     YES
 L0000057         0   0.18727E-02  459372.2 3770035.9   341.2
3.40     4.00     3.16     YES
 L0000058         0   0.18727E-02  459363.6 3770035.5   341.2
3.40     4.00     3.16     YES
 L0000059         0   0.18727E-02  459355.0 3770035.1   341.1
3.40     4.00     3.16     YES
 L0000060         0   0.18727E-02  459346.4 3770034.7   341.1
3.40     4.00     3.16     YES
 L0000061         0   0.18727E-02  459337.8 3770034.3   341.1
3.40     4.00     3.16     YES
 L0000062         0   0.18727E-02  459329.2 3770033.9   341.0
3.40     4.00     3.16     YES
 L0000063         0   0.18727E-02  459320.6 3770033.5   341.1
3.40     4.00     3.16     YES
 L0000064         0   0.18727E-02  459312.0 3770033.1   341.1
3.40     4.00     3.16     YES
 L0000065         0   0.18727E-02  459303.4 3770032.8   341.0
3.40     4.00     3.16     YES
 L0000066         0   0.18727E-02  459294.9 3770032.4   340.9
3.40     4.00     3.16     YES
 L0000067         0   0.18727E-02  459286.3 3770032.0   340.9
3.40     4.00     3.16     YES
 L0000068         0   0.18727E-02  459277.7 3770031.6   340.9
3.40     4.00     3.16     YES
 L0000069         0   0.18727E-02  459269.1 3770031.2   340.8
3.40     4.00     3.16     YES
 L0000070         0   0.18727E-02  459260.5 3770030.8   340.8
3.40     4.00     3.16     YES
 L0000071         0   0.18727E-02  459251.9 3770030.4   340.8
3.40     4.00     3.16     YES
 L0000072         0   0.18727E-02  459243.3 3770030.0   340.8
3.40     4.00     3.16     YES
 L0000073         0   0.18727E-02  459234.7 3770029.6   340.8
3.40     4.00     3.16     YES
 L0000074         0   0.18727E-02  459226.1 3770029.2   340.9
3.40     4.00     3.16     YES
 L0000075         0   0.18727E-02  459217.5 3770028.9   340.9
3.40     4.00     3.16     YES
 L0000076         0   0.18727E-02  459208.9 3770028.5   340.9
3.40     4.00     3.16     YES
 L0000077         0   0.18727E-02  459200.4 3770028.1   340.9
3.40     4.00     3.16     YES
 L0000078         0   0.18727E-02  459191.8 3770027.7   340.9
3.40     4.00     3.16     YES
 L0000079         0   0.18727E-02  459183.2 3770027.3   340.9
3.40     4.00     3.16     YES
 L0000080         0   0.18727E-02  459174.6 3770026.9   340.9
3.40     4.00     3.16     YES
```

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0000081	0	0.18727E-02	459166.0	3770026.5	340.9	3.40	4.00	3.16	YES	
L0000082	0	0.18727E-02	459164.9	3770018.7	340.9	3.40	4.00	3.16	YES	
L0000083	0	0.18727E-02	459164.5	3770010.1	340.7	3.40	4.00	3.16	YES	
L0000084	0	0.18727E-02	459164.1	3770001.5	340.5	3.40	4.00	3.16	YES	
L0000085	0	0.18727E-02	459163.8	3769992.9	340.1	3.40	4.00	3.16	YES	
L0000086	0	0.18727E-02	459163.4	3769984.3	339.8	3.40	4.00	3.16	YES	
L0000087	0	0.18727E-02	459163.0	3769975.7	339.6	3.40	4.00	3.16	YES	
L0000088	0	0.18727E-02	459162.6	3769967.1	339.4	3.40	4.00	3.16	YES	
L0000089	0	0.18727E-02	459162.3	3769958.5	339.4	3.40	4.00	3.16	YES	
L0000090	0	0.18727E-02	459161.9	3769949.9	339.4	3.40	4.00	3.16	YES	
L0000091	0	0.18727E-02	459161.5	3769941.4	339.4	3.40	4.00	3.16	YES	
L0000092	0	0.18727E-02	459161.2	3769932.8	339.3	3.40	4.00	3.16	YES	
L0000093	0	0.18727E-02	459160.8	3769924.2	339.2	3.40	4.00	3.16	YES	
L0000094	0	0.18727E-02	459160.4	3769915.6	339.1	3.40	4.00	3.16	YES	
L0000095	0	0.18727E-02	459160.1	3769907.0	339.1	3.40	4.00	3.16	YES	
L0000096	0	0.18727E-02	459159.7	3769898.4	339.0					

```
3.40     4.00     3.16     YES
 L0000097         0   0.18727E-02  459159.3 3769889.8   338.9
3.40     4.00     3.16     YES
 L0000098         0   0.18727E-02  459158.9 3769881.2   338.9
3.40     4.00     3.16     YES
 L0000099         0   0.18727E-02  459158.6 3769872.6   338.9
3.40     4.00     3.16     YES
 L0000100         0   0.18727E-02  459158.2 3769864.0   338.8
3.40     4.00     3.16     YES
 L0000101         0   0.18727E-02  459157.8 3769855.4   338.7
3.40     4.00     3.16     YES
 L0000102         0   0.18727E-02  459157.5 3769846.9   338.5
3.40     4.00     3.16     YES
 L0000103         0   0.18727E-02  459166.1 3769845.7   338.0
3.40     4.00     3.16     YES
 L0000104         0   0.18727E-02  459174.6 3769844.6   337.8
3.40     4.00     3.16     YES
 L0000105         0   0.18727E-02  459183.1 3769843.4   337.8
3.40     4.00     3.16     YES
 L0000106         0   0.18727E-02  459191.6 3769842.3   337.9
3.40     4.00     3.16     YES
 L0000107         0   0.18727E-02  459192.7 3769834.5   337.9
3.40     4.00     3.16     YES
 L0000108         0   0.18727E-02  459192.8 3769825.9   337.7
3.40     4.00     3.16     YES
 L0000109         0   0.18727E-02  459193.0 3769817.3   337.7
3.40     4.00     3.16     YES
 L0000110         0   0.18727E-02  459193.1 3769808.7   337.6
3.40     4.00     3.16     YES
 L0000111         0   0.18727E-02  459193.3 3769800.1   337.5
3.40     4.00     3.16     YES
 L0000112         0   0.18727E-02  459193.4 3769791.5   337.4
3.40     4.00     3.16     YES
 L0000113         0   0.18727E-02  459193.6 3769782.9   337.4
3.40     4.00     3.16     YES
 L0000114         0   0.18727E-02  459193.7 3769774.3   337.2
3.40     4.00     3.16     YES
 L0000115         0   0.18727E-02  459193.9 3769765.7   337.1
3.40     4.00     3.16     YES
 L0000116         0   0.18727E-02  459194.0 3769757.1   337.0
3.40     4.00     3.16     YES
 L0000117         0   0.18727E-02  459194.2 3769748.5   336.9
3.40     4.00     3.16     YES
 L0000118         0   0.18727E-02  459194.3 3769739.9   336.8
3.40     4.00     3.16     YES
 L0000119         0   0.18727E-02  459201.7 3769738.7   336.7
3.40     4.00     3.16     YES
 L0000120         0   0.18727E-02  459206.9 3769742.2   336.8
3.40     4.00     3.16     YES
```

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0000121	0	0.18727E-02	459207.2	3769750.8	337.0	3.40	4.00	3.16	YES	
L0000122	0	0.18727E-02	459207.5	3769759.4	337.2	3.40	4.00	3.16	YES	
L0000123	0	0.18727E-02	459207.7	3769768.0	337.4	3.40	4.00	3.16	YES	
L0000124	0	0.18727E-02	459208.0	3769776.5	337.6	3.40	4.00	3.16	YES	
L0000125	0	0.18727E-02	459208.3	3769785.1	337.7	3.40	4.00	3.16	YES	
L0000126	0	0.18727E-02	459208.6	3769793.7	337.8	3.40	4.00	3.16	YES	
L0000127	0	0.18727E-02	459208.8	3769802.3	337.9	3.40	4.00	3.16	YES	
L0000128	0	0.18727E-02	459209.1	3769810.9	338.0	3.40	4.00	3.16	YES	
L0000129	0	0.18727E-02	459209.4	3769819.5	338.1	3.40	4.00	3.16	YES	
L0000130	0	0.18727E-02	459209.6	3769828.1	338.2	3.40	4.00	3.16	YES	
L0000131	0	0.18727E-02	459209.9	3769836.7	338.4	3.40	4.00	3.16	YES	
L0000132	0	0.18727E-02	459210.2	3769845.3	338.2	3.40	4.00	3.16	YES	
L0000133	0	0.18727E-02	459212.1	3769852.2	338.3	3.40	4.00	3.16	YES	
L0000134	0	0.18727E-02	459220.7	3769852.2	338.3	3.40	4.00	3.16	YES	
L0000135	0	0.18727E-02	459229.3	3769852.2	338.3	3.40	4.00	3.16	YES	
L0000136	0	0.18727E-02	459237.9	3769852.2	338.3					

```
3.40     4.00     3.16     YES
 L0000137         0   0.18727E-02  459246.5 3769852.1   338.3
3.40     4.00     3.16     YES
 L0000138         0   0.18727E-02  459255.1 3769852.1   338.3
3.40     4.00     3.16     YES
 L0000139         0   0.18727E-02  459263.7 3769852.1   338.3
3.40     4.00     3.16     YES
 L0000140         0   0.18727E-02  459272.3 3769852.0   338.2
3.40     4.00     3.16     YES
 L0000141         0   0.18727E-02  459280.9 3769852.0   338.1
3.40     4.00     3.16     YES
 L0000142         0   0.18727E-02  459289.5 3769852.0   338.0
3.40     4.00     3.16     YES
 L0000143         0   0.18727E-02  459298.1 3769851.9   338.0
3.40     4.00     3.16     YES
 L0000144         0   0.18727E-02  459306.7 3769851.9   338.1
3.40     4.00     3.16     YES
 L0000145         0   0.18727E-02  459315.3 3769851.9   338.1
3.40     4.00     3.16     YES
 L0000146         0   0.18727E-02  459323.9 3769851.8   338.1
3.40     4.00     3.16     YES
 L0000147         0   0.18727E-02  459332.5 3769851.8   338.0
3.40     4.00     3.16     YES
 L0000148         0   0.18727E-02  459341.1 3769851.8   338.0
3.40     4.00     3.16     YES
 L0000149         0   0.18727E-02  459349.7 3769851.7   338.1
3.40     4.00     3.16     YES
 L0000150         0   0.18727E-02  459358.3 3769851.7   338.1
3.40     4.00     3.16     YES
 L0000151         0   0.18727E-02  459366.9 3769851.7   338.2
3.40     4.00     3.16     YES
 L0000152         0   0.18727E-02  459373.3 3769853.8   338.4
3.40     4.00     3.16     YES
 L0000153         0   0.18727E-02  459373.4 3769862.4   338.5
3.40     4.00     3.16     YES
 L0000154         0   0.18727E-02  459373.5 3769871.0   338.7
3.40     4.00     3.16     YES
 L0000155         0   0.18727E-02  459373.6 3769879.6   338.8
3.40     4.00     3.16     YES
 L0000156         0   0.18727E-02  459373.7 3769888.2   338.9
3.40     4.00     3.16     YES
 L0000157         0   0.18727E-02  459373.8 3769896.8   339.0
3.40     4.00     3.16     YES
 L0000158         0   0.18727E-02  459373.9 3769905.4   339.0
3.40     4.00     3.16     YES
 L0000159         0   0.18727E-02  459374.0 3769914.0   339.0
3.40     4.00     3.16     YES
 L0000160         0   0.18727E-02  459374.1 3769922.6   339.1
3.40     4.00     3.16     YES
```

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0000161	0	0.18727E-02	459374.1	3769931.2	339.3	3.40	4.00	3.16	YES	
L0000162	0	0.18727E-02	459374.2	3769939.8	339.5	3.40	4.00	3.16	YES	
L0000163	0	0.18727E-02	459374.3	3769948.4	339.6	3.40	4.00	3.16	YES	
L0000164	0	0.18727E-02	459374.4	3769957.0	339.8	3.40	4.00	3.16	YES	
L0000165	0	0.18727E-02	459374.5	3769965.6	339.9	3.40	4.00	3.16	YES	
L0000166	0	0.18727E-02	459374.6	3769974.2	340.1	3.40	4.00	3.16	YES	
L0000167	0	0.18727E-02	459374.7	3769982.8	340.2	3.40	4.00	3.16	YES	
L0000168	0	0.18727E-02	459374.8	3769991.4	340.3	3.40	4.00	3.16	YES	
L0000169	0	0.18727E-02	459374.8	3770000.0	340.5	3.40	4.00	3.16	YES	
L0000170	0	0.18727E-02	459374.9	3770008.6	340.6	3.40	4.00	3.16	YES	
L0000171	0	0.18727E-02	459375.0	3770017.2	340.8	3.40	4.00	3.16	YES	
L0000172	0	0.18727E-02	459375.1	3770025.8	341.0	3.40	4.00	3.16	YES	
L0000173	0	0.18727E-02	459366.6	3770025.5	340.9	3.40	4.00	3.16	YES	
L0000174	0	0.18727E-02	459358.0	3770025.0	340.8	3.40	4.00	3.16	YES	
L0000175	0	0.18727E-02	459349.5	3770024.6	340.8	3.40	4.00	3.16	YES	
L0000176	0	0.18727E-02	459340.9	3770024.2	340.8					

```
3.40     4.00     3.16     YES
 L0000177         0   0.18727E-02  459332.3 3770023.7   340.8
3.40     4.00     3.16     YES
 L0000178         0   0.18727E-02  459323.7 3770023.3   340.8
3.40     4.00     3.16     YES
 L0000179         0   0.18727E-02  459315.1 3770022.9   340.8
3.40     4.00     3.16     YES
 L0000180         0   0.18727E-02  459306.5 3770022.4   340.7
3.40     4.00     3.16     YES
 L0000181         0   0.18727E-02  459297.9 3770022.0   340.6
3.40     4.00     3.16     YES
 L0000182         0   0.18727E-02  459289.3 3770021.6   340.5
3.40     4.00     3.16     YES
 L0000183         0   0.18727E-02  459280.7 3770021.1   340.4
3.40     4.00     3.16     YES
 L0000184         0   0.18727E-02  459272.2 3770020.7   340.4
3.40     4.00     3.16     YES
 L0000185         0   0.18727E-02  459263.6 3770020.3   340.4
3.40     4.00     3.16     YES
 L0000186         0   0.18727E-02  459255.0 3770019.8   340.4
3.40     4.00     3.16     YES
 L0000187         0   0.18727E-02  459246.4 3770019.4   340.4
3.40     4.00     3.16     YES
 L0000188         0   0.18727E-02  459237.8 3770019.0   340.4
3.40     4.00     3.16     YES
 L0000189         0   0.18727E-02  459229.2 3770018.6   340.6
3.40     4.00     3.16     YES
 L0000190         0   0.18727E-02  459220.6 3770018.1   340.7
3.40     4.00     3.16     YES
 L0000191         0   0.18727E-02  459212.0 3770017.7   340.7
3.40     4.00     3.16     YES
 L0000192         0   0.18727E-02  459203.4 3770017.3   340.8
3.40     4.00     3.16     YES
 L0000193         0   0.18727E-02  459194.9 3770016.8   340.9
3.40     4.00     3.16     YES
 L0000194         0   0.18727E-02  459186.3 3770016.4   340.8
3.40     4.00     3.16     YES
 L0000195         0   0.18727E-02  459177.7 3770016.0   340.8
3.40     4.00     3.16     YES
 L0000196         0   0.18727E-02  459173.9 3770010.7   340.7
3.40     4.00     3.16     YES
 L0000197         0   0.18727E-02  459173.5 3770002.2   340.6
3.40     4.00     3.16     YES
 L0000198         0   0.18727E-02  459173.1 3769993.6   340.3
3.40     4.00     3.16     YES
 L0000199         0   0.18727E-02  459172.6 3769985.0   340.1
3.40     4.00     3.16     YES
 L0000200         0   0.18727E-02  459172.2 3769976.4   339.8
3.40     4.00     3.16     YES
```

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0000201	0	0.18727E-02	459171.8	3769967.8	339.6	3.40	4.00	3.16	YES	
L0000202	0	0.18727E-02	459171.4	3769959.2	339.5	3.40	4.00	3.16	YES	
L0000203	0	0.18727E-02	459171.0	3769950.6	339.5	3.40	4.00	3.16	YES	
L0000204	0	0.18727E-02	459170.6	3769942.0	339.5	3.40	4.00	3.16	YES	
L0000205	0	0.18727E-02	459170.2	3769933.4	339.3	3.40	4.00	3.16	YES	
L0000206	0	0.18727E-02	459169.8	3769924.8	339.2	3.40	4.00	3.16	YES	
L0000207	0	0.18727E-02	459169.4	3769916.3	339.1	3.40	4.00	3.16	YES	
L0000208	0	0.18727E-02	459169.0	3769907.7	339.0	3.40	4.00	3.16	YES	
L0000209	0	0.18727E-02	459168.5	3769899.1	338.9	3.40	4.00	3.16	YES	
L0000210	0	0.18727E-02	459168.1	3769890.5	338.9	3.40	4.00	3.16	YES	
L0000211	0	0.18727E-02	459167.7	3769881.9	338.8	3.40	4.00	3.16	YES	
L0000212	0	0.18727E-02	459167.3	3769873.3	338.7	3.40	4.00	3.16	YES	
L0000213	0	0.18727E-02	459166.9	3769864.7	338.6	3.40	4.00	3.16	YES	
L0000214	0	0.18727E-02	459166.5	3769856.1	338.4	3.40	4.00	3.16	YES	
L0000215	0	0.18727E-02	459172.9	3769853.9	338.1	3.40	4.00	3.16	YES	
L0000216	0	0.18727E-02	459181.5	3769853.8	338.1					

```
3.40     4.00     3.16     YES
 L0000217         0   0.18727E-02  459190.1 3769853.6   338.1
3.40     4.00     3.16     YES
 L0000218         0   0.18727E-02  459198.7 3769853.5   338.1
3.40     4.00     3.16     YES
 L0000219         0   0.18727E-02  459201.7 3769859.3   338.2
3.40     4.00     3.16     YES
 L0000220         0   0.18727E-02  459202.0 3769867.9   338.4
3.40     4.00     3.16     YES
 L0000221         0   0.18727E-02  459209.6 3769868.7   338.4
3.40     4.00     3.16     YES
 L0000222         0   0.18727E-02  459218.2 3769868.5   338.5
3.40     4.00     3.16     YES
 L0000223         0   0.18727E-02  459226.8 3769868.2   338.5
3.40     4.00     3.16     YES
 L0000224         0   0.18727E-02  459235.4 3769868.0   338.4
3.40     4.00     3.16     YES
 L0000225         0   0.18727E-02  459244.0 3769867.8   338.5
3.40     4.00     3.16     YES
 L0000226         0   0.18727E-02  459252.6 3769867.5   338.5
3.40     4.00     3.16     YES
 L0000227         0   0.18727E-02  459261.2 3769867.3   338.4
3.40     4.00     3.16     YES
 L0000228         0   0.18727E-02  459269.8 3769867.1   338.4
3.40     4.00     3.16     YES
 L0000229         0   0.18727E-02  459278.4 3769866.9   338.3
3.40     4.00     3.16     YES
 L0000230         0   0.18727E-02  459287.0 3769866.6   338.2
3.40     4.00     3.16     YES
 L0000231         0   0.18727E-02  459295.6 3769866.4   338.2
3.40     4.00     3.16     YES
 L0000232         0   0.18727E-02  459304.2 3769866.2   338.2
3.40     4.00     3.16     YES
 L0000233         0   0.18727E-02  459312.8 3769865.9   338.2
3.40     4.00     3.16     YES
 L0000234         0   0.18727E-02  459321.4 3769865.7   338.3
3.40     4.00     3.16     YES
 L0000235         0   0.18727E-02  459330.0 3769865.5   338.2
3.40     4.00     3.16     YES
 L0000236         0   0.18727E-02  459338.6 3769865.2   338.2
3.40     4.00     3.16     YES
 L0000237         0   0.18727E-02  459347.2 3769865.0   338.2
3.40     4.00     3.16     YES
 L0000238         0   0.18727E-02  459355.8 3769864.8   338.3
3.40     4.00     3.16     YES
 L0000239         0   0.18727E-02  459356.9 3769872.4   338.6
3.40     4.00     3.16     YES
 L0000240         0   0.18727E-02  459357.1 3769881.0   338.8
3.40     4.00     3.16     YES
```

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0000241	0	0.18727E-02	459357.4	3769889.6	338.9	3.40	4.00	3.16	YES	
L0000242	0	0.18727E-02	459357.6	3769898.2	339.0	3.40	4.00	3.16	YES	
L0000243	0	0.18727E-02	459357.9	3769906.8	339.0	3.40	4.00	3.16	YES	
L0000244	0	0.18727E-02	459358.1	3769915.4	339.0	3.40	4.00	3.16	YES	
L0000245	0	0.18727E-02	459358.4	3769924.0	339.1	3.40	4.00	3.16	YES	
L0000246	0	0.18727E-02	459358.6	3769932.6	339.2	3.40	4.00	3.16	YES	
L0000247	0	0.18727E-02	459358.8	3769941.2	339.4	3.40	4.00	3.16	YES	
L0000248	0	0.18727E-02	459359.1	3769949.8	339.5	3.40	4.00	3.16	YES	
L0000249	0	0.18727E-02	459359.3	3769958.4	339.7	3.40	4.00	3.16	YES	
L0000250	0	0.18727E-02	459359.6	3769967.0	339.8	3.40	4.00	3.16	YES	
L0000251	0	0.18727E-02	459359.8	3769975.6	339.9	3.40	4.00	3.16	YES	
L0000252	0	0.18727E-02	459360.0	3769984.2	340.0	3.40	4.00	3.16	YES	
L0000253	0	0.18727E-02	459360.3	3769992.8	340.1	3.40	4.00	3.16	YES	
L0000254	0	0.18727E-02	459360.5	3770001.4	340.3	3.40	4.00	3.16	YES	
L0000255	0	0.18727E-02	459360.8	3770010.0	340.5	3.40	4.00	3.16	YES	
L0000256	0	0.18727E-02	459354.5	3770011.9	340.5					

```
3.40     4.00     3.16     YES
 L0000257         0   0.18727E-02  459345.9 3770011.6   340.5
3.40     4.00     3.16     YES
 L0000258         0   0.18727E-02  459337.3 3770011.2   340.5
3.40     4.00     3.16     YES
 L0000259         0   0.18727E-02  459328.7 3770010.8   340.6
3.40     4.00     3.16     YES
 L0000260         0   0.18727E-02  459320.1 3770010.4   340.5
3.40     4.00     3.16     YES
 L0000261         0   0.18727E-02  459311.5 3770010.1   340.5
3.40     4.00     3.16     YES
 L0000262         0   0.18727E-02  459302.9 3770009.7   340.4
3.40     4.00     3.16     YES
 L0000263         0   0.18727E-02  459294.3 3770009.3   340.3
3.40     4.00     3.16     YES
 L0000264         0   0.18727E-02  459285.8 3770009.0   340.2
3.40     4.00     3.16     YES
 L0000265         0   0.18727E-02  459277.2 3770008.6   340.1
3.40     4.00     3.16     YES
 L0000266         0   0.18727E-02  459268.6 3770008.2   340.2
3.40     4.00     3.16     YES
 L0000267         0   0.18727E-02  459260.0 3770007.8   340.2
3.40     4.00     3.16     YES
 L0000268         0   0.18727E-02  459251.4 3770007.5   340.2
3.40     4.00     3.16     YES
 L0000269         0   0.18727E-02  459242.8 3770007.1   340.3
3.40     4.00     3.16     YES
 L0000270         0   0.18727E-02  459234.2 3770006.7   340.4
3.40     4.00     3.16     YES
 L0000271         0   0.18727E-02  459225.6 3770006.4   340.5
3.40     4.00     3.16     YES
 L0000272         0   0.18727E-02  459217.0 3770006.0   340.5
3.40     4.00     3.16     YES
 L0000273         0   0.18727E-02  459208.4 3770005.6   340.6
3.40     4.00     3.16     YES
 L0000274         0   0.18727E-02  459199.8 3770005.2   340.7
3.40     4.00     3.16     YES
 L0000275         0   0.18727E-02  459191.2 3770004.9   340.6
3.40     4.00     3.16     YES
 L0000276         0   0.18727E-02  459182.6 3770004.5   340.6
3.40     4.00     3.16     YES
 L0000277         0   0.18727E-02  459182.0 3769996.1   340.4
3.40     4.00     3.16     YES
 L0000278         0   0.18727E-02  459181.6 3769987.5   340.1
3.40     4.00     3.16     YES
 L0000279         0   0.18727E-02  459181.1 3769978.9   339.9
3.40     4.00     3.16     YES
 L0000280         0   0.18727E-02  459180.7 3769970.3   339.7
3.40     4.00     3.16     YES
```

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** VOLUME
SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0000281	0	0.18727E-02	459180.2	3769961.7	339.6	3.40	4.00	3.16	YES	
L0000282	0	0.18727E-02	459179.8	3769953.2	339.6	3.40	4.00	3.16	YES	
L0000283	0	0.18727E-02	459179.4	3769944.6	339.5	3.40	4.00	3.16	YES	
L0000284	0	0.18727E-02	459178.9	3769936.0	339.4	3.40	4.00	3.16	YES	
L0000285	0	0.18727E-02	459178.5	3769927.4	339.3	3.40	4.00	3.16	YES	
L0000286	0	0.18727E-02	459178.0	3769918.8	339.2	3.40	4.00	3.16	YES	
L0000287	0	0.18727E-02	459177.6	3769910.2	339.1	3.40	4.00	3.16	YES	
L0000288	0	0.18727E-02	459177.1	3769901.6	339.0	3.40	4.00	3.16	YES	
L0000289	0	0.18727E-02	459176.7	3769893.0	338.9	3.40	4.00	3.16	YES	
L0000290	0	0.18727E-02	459176.3	3769884.4	338.8	3.40	4.00	3.16	YES	
L0000291	0	0.18727E-02	459175.8	3769875.9	338.7	3.40	4.00	3.16	YES	
L0000292	0	0.18727E-02	459175.4	3769867.3	338.5	3.40	4.00	3.16	YES	
L0000293	0	0.18727E-02	459181.7	3769869.4	338.6	3.40	4.00	3.16	YES	
L0000294	0	0.18727E-02	459189.3	3769873.5	338.6	3.40	4.00	3.16	YES	
L0000295	0	0.18727E-02	459196.8	3769877.5	338.6	3.40	4.00	3.16	YES	
L0000296	0	0.18727E-02	459205.2	3769878.3	338.6					

```
3.40     4.00     3.16     YES
 L0000297         0   0.18727E-02  459213.8 3769878.2   338.6
3.40     4.00     3.16     YES
 L0000298         0   0.18727E-02  459222.4 3769878.1   338.6
3.40     4.00     3.16     YES
 L0000299         0   0.18727E-02  459231.0 3769878.0   338.6
3.40     4.00     3.16     YES
 L0000300         0   0.18727E-02  459239.6 3769877.9   338.6
3.40     4.00     3.16     YES
 L0000301         0   0.18727E-02  459248.2 3769877.8   338.6
3.40     4.00     3.16     YES
 L0000302         0   0.18727E-02  459256.8 3769877.7   338.6
3.40     4.00     3.16     YES
 L0000303         0   0.18727E-02  459265.4 3769877.6   338.6
3.40     4.00     3.16     YES
 L0000304         0   0.18727E-02  459274.0 3769877.5   338.5
3.40     4.00     3.16     YES
 L0000305         0   0.18727E-02  459282.6 3769877.4   338.4
3.40     4.00     3.16     YES
 L0000306         0   0.18727E-02  459291.2 3769877.3   338.3
3.40     4.00     3.16     YES
 L0000307         0   0.18727E-02  459299.8 3769877.2   338.3
3.40     4.00     3.16     YES
 L0000308         0   0.18727E-02  459308.4 3769877.1   338.3
3.40     4.00     3.16     YES
 L0000309         0   0.18727E-02  459317.0 3769877.0   338.4
3.40     4.00     3.16     YES
 L0000310         0   0.18727E-02  459325.6 3769876.9   338.6
3.40     4.00     3.16     YES
 L0000311         0   0.18727E-02  459334.2 3769876.8   338.7
3.40     4.00     3.16     YES
 L0000312         0   0.18727E-02  459342.8 3769876.6   338.6
3.40     4.00     3.16     YES
 L0000313         0   0.18727E-02  459343.9 3769884.4   338.7
3.40     4.00     3.16     YES
 L0000314         0   0.18727E-02  459344.2 3769893.0   338.9
3.40     4.00     3.16     YES
 L0000315         0   0.18727E-02  459344.5 3769901.6   339.0
3.40     4.00     3.16     YES
 L0000316         0   0.18727E-02  459344.9 3769910.2   339.1
3.40     4.00     3.16     YES
 L0000317         0   0.18727E-02  459345.2 3769918.8   339.1
3.40     4.00     3.16     YES
 L0000318         0   0.18727E-02  459345.5 3769927.4   339.2
3.40     4.00     3.16     YES
 L0000319         0   0.18727E-02  459345.8 3769936.0   339.3
3.40     4.00     3.16     YES
 L0000320         0   0.18727E-02  459346.1 3769944.6   339.5
3.40     4.00     3.16     YES
```

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0000321	0	0.18727E-02	459346.5	3769953.2	339.6	3.40	4.00	3.16	YES	
L0000322	0	0.18727E-02	459346.8	3769961.8	339.7	3.40	4.00	3.16	YES	
L0000323	0	0.18727E-02	459347.1	3769970.4	339.8	3.40	4.00	3.16	YES	
L0000324	0	0.18727E-02	459347.4	3769979.0	339.9	3.40	4.00	3.16	YES	
L0000325	0	0.18727E-02	459347.8	3769987.6	340.1	3.40	4.00	3.16	YES	
L0000326	0	0.18727E-02	459348.1	3769996.2	340.2	3.40	4.00	3.16	YES	
L0000327	0	0.18727E-02	459346.9	3770003.2	340.3	3.40	4.00	3.16	YES	
L0000328	0	0.18727E-02	459338.3	3770002.9	340.4	3.40	4.00	3.16	YES	
L0000329	0	0.18727E-02	459329.7	3770002.6	340.4	3.40	4.00	3.16	YES	
L0000330	0	0.18727E-02	459321.1	3770002.3	340.4	3.40	4.00	3.16	YES	
L0000331	0	0.18727E-02	459312.5	3770002.0	340.4	3.40	4.00	3.16	YES	
L0000332	0	0.18727E-02	459303.9	3770001.6	340.3	3.40	4.00	3.16	YES	
L0000333	0	0.18727E-02	459295.3	3770001.3	340.2	3.40	4.00	3.16	YES	
L0000334	0	0.18727E-02	459286.7	3770001.0	340.1	3.40	4.00	3.16	YES	
L0000335	0	0.18727E-02	459278.1	3770000.7	340.0	3.40	4.00	3.16	YES	
L0000336	0	0.18727E-02	459269.5	3770000.4	340.1					

```
3.40     4.00     3.16     YES
 L0000337         0   0.18727E-02  459260.9 3770000.0   340.2
3.40     4.00     3.16     YES
 L0000338         0   0.18727E-02  459252.3 3769999.7   340.2
3.40     4.00     3.16     YES
 L0000339         0   0.18727E-02  459243.8 3769999.4   340.2
3.40     4.00     3.16     YES
 L0000340         0   0.18727E-02  459235.2 3769999.1   340.4
3.40     4.00     3.16     YES
 L0000341         0   0.18727E-02  459226.6 3769998.8   340.4
3.40     4.00     3.16     YES
 L0000342         0   0.18727E-02  459218.0 3769998.4   340.4
3.40     4.00     3.16     YES
 L0000343         0   0.18727E-02  459209.4 3769998.1   340.5
3.40     4.00     3.16     YES
 L0000344         0   0.18727E-02  459200.8 3769997.8   340.5
3.40     4.00     3.16     YES
 L0000345         0   0.18727E-02  459192.2 3769997.5   340.4
3.40     4.00     3.16     YES
 L0000346         0   0.18727E-02  459188.7 3769992.0   340.3
3.40     4.00     3.16     YES
 L0000347         0   0.18727E-02  459188.2 3769983.4   340.0
3.40     4.00     3.16     YES
 L0000348         0   0.18727E-02  459187.8 3769974.8   339.9
3.40     4.00     3.16     YES
 L0000349         0   0.18727E-02  459187.3 3769966.2   339.7
3.40     4.00     3.16     YES
 L0000350         0   0.18727E-02  459186.8 3769957.6   339.6
3.40     4.00     3.16     YES
 L0000351         0   0.18727E-02  459186.3 3769949.0   339.6
3.40     4.00     3.16     YES
 L0000352         0   0.18727E-02  459185.9 3769940.4   339.4
3.40     4.00     3.16     YES
 L0000353         0   0.18727E-02  459185.4 3769931.8   339.4
3.40     4.00     3.16     YES
 L0000354         0   0.18727E-02  459184.9 3769923.3   339.3
3.40     4.00     3.16     YES
 L0000355         0   0.18727E-02  459184.5 3769914.7   339.2
3.40     4.00     3.16     YES
 L0000356         0   0.18727E-02  459184.0 3769906.1   339.1
3.40     4.00     3.16     YES
 L0000357         0   0.18727E-02  459183.5 3769897.5   339.0
3.40     4.00     3.16     YES
 L0000358         0   0.18727E-02  459183.1 3769888.9   338.9
3.40     4.00     3.16     YES
 L0000359         0   0.18727E-02  459191.3 3769888.6   338.9
3.40     4.00     3.16     YES
 L0000360         0   0.18727E-02  459199.9 3769888.6   338.8
3.40     4.00     3.16     YES
```

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** VOLUME
SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0000361	0	0.18727E-02	459208.5	3769888.6	338.8	3.40	4.00	3.16	YES	
L0000362	0	0.18727E-02	459217.1	3769888.7	338.7	3.40	4.00	3.16	YES	
L0000363	0	0.18727E-02	459225.7	3769888.7	338.8	3.40	4.00	3.16	YES	
L0000364	0	0.18727E-02	459234.3	3769888.7	338.8	3.40	4.00	3.16	YES	
L0000365	0	0.18727E-02	459242.9	3769888.8	338.8	3.40	4.00	3.16	YES	
L0000366	0	0.18727E-02	459251.5	3769888.8	338.8	3.40	4.00	3.16	YES	
L0000367	0	0.18727E-02	459260.1	3769888.8	338.7	3.40	4.00	3.16	YES	
L0000368	0	0.18727E-02	459268.7	3769888.9	338.7	3.40	4.00	3.16	YES	
L0000369	0	0.18727E-02	459277.3	3769888.9	338.7	3.40	4.00	3.16	YES	
L0000370	0	0.18727E-02	459285.9	3769888.9	338.6	3.40	4.00	3.16	YES	
L0000371	0	0.18727E-02	459294.5	3769889.0	338.5	3.40	4.00	3.16	YES	
L0000372	0	0.18727E-02	459303.1	3769889.0	338.5	3.40	4.00	3.16	YES	
L0000373	0	0.18727E-02	459311.7	3769889.0	338.5	3.40	4.00	3.16	YES	
L0000374	0	0.18727E-02	459320.3	3769889.1	338.7	3.40	4.00	3.16	YES	
L0000375	0	0.18727E-02	459328.9	3769889.1	338.9	3.40	4.00	3.16	YES	
L0000376	0	0.18727E-02	459331.5	3769895.5	338.9					

```
3.40     4.00     3.16     YES
 L0000377         0   0.18727E-02  459332.0 3769904.0   339.0
3.40     4.00     3.16     YES
 L0000378         0   0.18727E-02  459332.6 3769912.6   339.1
3.40     4.00     3.16     YES
 L0000379         0   0.18727E-02  459333.1 3769921.2   339.1
3.40     4.00     3.16     YES
 L0000380         0   0.18727E-02  459333.6 3769929.8   339.2
3.40     4.00     3.16     YES
 L0000381         0   0.18727E-02  459334.2 3769938.4   339.4
3.40     4.00     3.16     YES
 L0000382         0   0.18727E-02  459334.7 3769947.0   339.6
3.40     4.00     3.16     YES
 L0000383         0   0.18727E-02  459335.3 3769955.5   339.7
3.40     4.00     3.16     YES
 L0000384         0   0.18727E-02  459335.8 3769964.1   339.8
3.40     4.00     3.16     YES
 L0000385         0   0.18727E-02  459336.3 3769972.7   339.9
3.40     4.00     3.16     YES
 L0000386         0   0.18727E-02  459336.9 3769981.3   340.0
3.40     4.00     3.16     YES
 L0000387         0   0.18727E-02  459337.4 3769989.9   340.2
3.40     4.00     3.16     YES
 L0000388         0   0.18727E-02  459333.0 3769993.7   340.3
3.40     4.00     3.16     YES
 L0000389         0   0.18727E-02  459324.4 3769993.4   340.3
3.40     4.00     3.16     YES
 L0000390         0   0.18727E-02  459315.8 3769993.2   340.3
3.40     4.00     3.16     YES
 L0000391         0   0.18727E-02  459307.2 3769993.0   340.2
3.40     4.00     3.16     YES
 L0000392         0   0.18727E-02  459298.6 3769992.8   340.1
3.40     4.00     3.16     YES
 L0000393         0   0.18727E-02  459290.0 3769992.6   340.1
3.40     4.00     3.16     YES
 L0000394         0   0.18727E-02  459281.4 3769992.3   340.0
3.40     4.00     3.16     YES
 L0000395         0   0.18727E-02  459272.8 3769992.1   340.0
3.40     4.00     3.16     YES
 L0000396         0   0.18727E-02  459264.2 3769991.9   340.0
3.40     4.00     3.16     YES
 L0000397         0   0.18727E-02  459255.6 3769991.7   340.1
3.40     4.00     3.16     YES
 L0000398         0   0.18727E-02  459247.0 3769991.5   340.2
3.40     4.00     3.16     YES
 L0000399         0   0.18727E-02  459238.4 3769991.2   340.2
3.40     4.00     3.16     YES
 L0000400         0   0.18727E-02  459229.8 3769991.0   340.3
3.40     4.00     3.16     YES
```

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0000401	0	0.18727E-02	459221.2	3769990.8	340.3	3.40	4.00	3.16	YES	
L0000402	0	0.18727E-02	459212.6	3769990.6	340.3	3.40	4.00	3.16	YES	
L0000403	0	0.18727E-02	459204.0	3769990.4	340.3	3.40	4.00	3.16	YES	
L0000404	0	0.18727E-02	459197.8	3769987.7	340.2	3.40	4.00	3.16	YES	
L0000405	0	0.18727E-02	459197.5	3769979.1	340.1	3.40	4.00	3.16	YES	
L0000406	0	0.18727E-02	459197.2	3769970.5	339.9	3.40	4.00	3.16	YES	
L0000407	0	0.18727E-02	459197.0	3769961.9	339.8	3.40	4.00	3.16	YES	
L0000408	0	0.18727E-02	459196.7	3769953.3	339.7	3.40	4.00	3.16	YES	
L0000409	0	0.18727E-02	459196.4	3769944.7	339.5	3.40	4.00	3.16	YES	
L0000410	0	0.18727E-02	459196.1	3769936.1	339.4	3.40	4.00	3.16	YES	
L0000411	0	0.18727E-02	459195.8	3769927.5	339.4	3.40	4.00	3.16	YES	
L0000412	0	0.18727E-02	459195.5	3769919.0	339.3	3.40	4.00	3.16	YES	
L0000413	0	0.18727E-02	459195.2	3769910.4	339.2	3.40	4.00	3.16	YES	
L0000414	0	0.18727E-02	459195.4	3769902.2	339.1	3.40	4.00	3.16	YES	
L0000415	0	0.18727E-02	459204.0	3769902.2	339.0	3.40	4.00	3.16	YES	
L0000416	0	0.18727E-02	459212.6	3769902.3	338.9					

```
3.40     4.00     3.16     YES
 L0000417         0   0.18727E-02  459221.2 3769902.3   339.0
3.40     4.00     3.16     YES
 L0000418         0   0.18727E-02  459229.8 3769902.4   339.0
3.40     4.00     3.16     YES
 L0000419         0   0.18727E-02  459238.4 3769902.4   339.0
3.40     4.00     3.16     YES
 L0000420         0   0.18727E-02  459247.0 3769902.5   338.9
3.40     4.00     3.16     YES
 L0000421         0   0.18727E-02  459255.6 3769902.5   338.9
3.40     4.00     3.16     YES
 L0000422         0   0.18727E-02  459264.2 3769902.5   338.9
3.40     4.00     3.16     YES
 L0000423         0   0.18727E-02  459272.8 3769902.6   338.9
3.40     4.00     3.16     YES
 L0000424         0   0.18727E-02  459281.4 3769902.6   338.8
3.40     4.00     3.16     YES
 L0000425         0   0.18727E-02  459290.0 3769902.7   338.7
3.40     4.00     3.16     YES
 L0000426         0   0.18727E-02  459298.6 3769902.7   338.7
3.40     4.00     3.16     YES
 L0000427         0   0.18727E-02  459307.2 3769902.7   338.6
3.40     4.00     3.16     YES
 L0000428         0   0.18727E-02  459315.8 3769902.8   338.7
3.40     4.00     3.16     YES
 L0000429         0   0.18727E-02  459319.5 3769908.0   338.8
3.40     4.00     3.16     YES
 L0000430         0   0.18727E-02  459319.9 3769916.5   338.9
3.40     4.00     3.16     YES
 L0000431         0   0.18727E-02  459320.4 3769925.1   339.0
3.40     4.00     3.16     YES
 L0000432         0   0.18727E-02  459320.8 3769933.7   339.2
3.40     4.00     3.16     YES
 L0000433         0   0.18727E-02  459321.3 3769942.3   339.4
3.40     4.00     3.16     YES
 L0000434         0   0.18727E-02  459321.7 3769950.9   339.6
3.40     4.00     3.16     YES
 L0000435         0   0.18727E-02  459322.2 3769959.5   339.8
3.40     4.00     3.16     YES
 L0000436         0   0.18727E-02  459322.6 3769968.1   339.9
3.40     4.00     3.16     YES
 L0000437         0   0.18727E-02  459323.0 3769976.7   340.0
3.40     4.00     3.16     YES
 L0000438         0   0.18727E-02  459321.2 3769983.0   340.1
3.40     4.00     3.16     YES
 L0000439         0   0.18727E-02  459312.6 3769982.9   340.1
3.40     4.00     3.16     YES
 L0000440         0   0.18727E-02  459304.0 3769982.8   340.0
3.40     4.00     3.16     YES
```

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0000441	0	0.18727E-02	459295.4	3769982.7	340.0	3.40	4.00	3.16	YES	
L0000442	0	0.18727E-02	459286.8	3769982.5	339.9	3.40	4.00	3.16	YES	
L0000443	0	0.18727E-02	459278.2	3769982.4	339.9	3.40	4.00	3.16	YES	
L0000444	0	0.18727E-02	459269.6	3769982.3	339.9	3.40	4.00	3.16	YES	
L0000445	0	0.18727E-02	459261.0	3769982.1	339.9	3.40	4.00	3.16	YES	
L0000446	0	0.18727E-02	459252.4	3769982.0	340.0	3.40	4.00	3.16	YES	
L0000447	0	0.18727E-02	459243.8	3769981.9	340.1	3.40	4.00	3.16	YES	
L0000448	0	0.18727E-02	459235.2	3769981.7	340.1	3.40	4.00	3.16	YES	
L0000449	0	0.18727E-02	459226.6	3769981.6	340.2	3.40	4.00	3.16	YES	
L0000450	0	0.18727E-02	459218.0	3769981.5	340.2	3.40	4.00	3.16	YES	
L0000451	0	0.18727E-02	459209.4	3769981.4	340.2	3.40	4.00	3.16	YES	
L0000452	0	0.18727E-02	459205.0	3769977.1	340.1	3.40	4.00	3.16	YES	
L0000453	0	0.18727E-02	459204.8	3769968.5	339.9	3.40	4.00	3.16	YES	
L0000454	0	0.18727E-02	459204.6	3769959.9	339.8	3.40	4.00	3.16	YES	
L0000455	0	0.18727E-02	459204.5	3769951.3	339.6	3.40	4.00	3.16	YES	
L0000456	0	0.18727E-02	459204.3	3769942.7	339.5					

```
3.40     4.00     3.16     YES
 L0000457         0   0.18727E-02  459204.1 3769934.1   339.4
3.40     4.00     3.16     YES
 L0000458         0   0.18727E-02  459204.0 3769925.5   339.3
3.40     4.00     3.16     YES
 L0000459         0   0.18727E-02  459207.0 3769919.9   339.2
3.40     4.00     3.16     YES
 L0000460         0   0.18727E-02  459215.6 3769919.6   339.2
3.40     4.00     3.16     YES
 L0000461         0   0.18727E-02  459224.2 3769919.2   339.2
3.40     4.00     3.16     YES
 L0000462         0   0.18727E-02  459232.8 3769918.9   339.2
3.40     4.00     3.16     YES
 L0000463         0   0.18727E-02  459241.4 3769918.5   339.2
3.40     4.00     3.16     YES
 L0000464         0   0.18727E-02  459250.0 3769918.2   339.2
3.40     4.00     3.16     YES
 L0000465         0   0.18727E-02  459258.6 3769917.8   339.2
3.40     4.00     3.16     YES
 L0000466         0   0.18727E-02  459267.2 3769917.5   339.2
3.40     4.00     3.16     YES
 L0000467         0   0.18727E-02  459275.8 3769917.2   339.1
3.40     4.00     3.16     YES
 L0000468         0   0.18727E-02  459284.4 3769916.8   339.0
3.40     4.00     3.16     YES
 L0000469         0   0.18727E-02  459293.0 3769916.5   338.9
3.40     4.00     3.16     YES
 L0000470         0   0.18727E-02  459301.5 3769916.1   338.8
3.40     4.00     3.16     YES
 L0000471         0   0.18727E-02  459307.5 3769918.7   338.9
3.40     4.00     3.16     YES
 L0000472         0   0.18727E-02  459307.9 3769927.3   339.0
3.40     4.00     3.16     YES
 L0000473         0   0.18727E-02  459308.3 3769935.9   339.2
3.40     4.00     3.16     YES
 L0000474         0   0.18727E-02  459308.7 3769944.5   339.3
3.40     4.00     3.16     YES
 L0000475         0   0.18727E-02  459309.1 3769953.1   339.5
3.40     4.00     3.16     YES
 L0000476         0   0.18727E-02  459309.6 3769961.6   339.7
3.40     4.00     3.16     YES
 L0000477         0   0.18727E-02  459310.0 3769970.2   339.9
3.40     4.00     3.16     YES
 L0000478         0   0.18727E-02  459308.0 3769976.5   340.0
3.40     4.00     3.16     YES
 L0000479         0   0.18727E-02  459299.4 3769976.3   339.9
3.40     4.00     3.16     YES
 L0000480         0   0.18727E-02  459290.8 3769976.2   339.8
3.40     4.00     3.16     YES
```

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0000481	0	0.18727E-02	459282.2	3769976.0	339.8	3.40	4.00	3.16	YES	
L0000482	0	0.18727E-02	459273.6	3769975.8	339.8	3.40	4.00	3.16	YES	
L0000483	0	0.18727E-02	459265.0	3769975.7	339.8	3.40	4.00	3.16	YES	
L0000484	0	0.18727E-02	459256.4	3769975.5	339.9	3.40	4.00	3.16	YES	
L0000485	0	0.18727E-02	459247.8	3769975.4	339.9	3.40	4.00	3.16	YES	
L0000486	0	0.18727E-02	459239.2	3769975.2	340.0	3.40	4.00	3.16	YES	
L0000487	0	0.18727E-02	459230.6	3769975.0	340.1	3.40	4.00	3.16	YES	
L0000488	0	0.18727E-02	459222.0	3769974.9	340.1	3.40	4.00	3.16	YES	
L0000489	0	0.18727E-02	459215.2	3769973.0	340.1	3.40	4.00	3.16	YES	
L0000490	0	0.18727E-02	459215.5	3769964.4	339.9	3.40	4.00	3.16	YES	
L0000491	0	0.18727E-02	459215.7	3769955.8	339.8	3.40	4.00	3.16	YES	
L0000492	0	0.18727E-02	459216.0	3769947.2	339.6	3.40	4.00	3.16	YES	
L0000493	0	0.18727E-02	459216.2	3769938.6	339.5	3.40	4.00	3.16	YES	
L0000494	0	0.18727E-02	459220.6	3769934.1	339.4	3.40	4.00	3.16	YES	
L0000495	0	0.18727E-02	459229.2	3769933.6	339.4	3.40	4.00	3.16	YES	
L0000496	0	0.18727E-02	459237.8	3769933.2	339.4					

```
3.40     4.00     3.16     YES
 L0000497         0   0.18727E-02  459246.4 3769932.7   339.4
3.40     4.00     3.16     YES
 L0000498         0   0.18727E-02  459255.0 3769932.2   339.4
3.40     4.00     3.16     YES
 L0000499         0   0.18727E-02  459263.6 3769931.8   339.4
3.40     4.00     3.16     YES
 L0000500         0   0.18727E-02  459272.1 3769931.3   339.3
3.40     4.00     3.16     YES
 L0000501         0   0.18727E-02  459280.7 3769930.8   339.2
3.40     4.00     3.16     YES
 L0000502         0   0.18727E-02  459289.3 3769930.4   339.1
3.40     4.00     3.16     YES
 L0000503         0   0.18727E-02  459294.2 3769934.4   339.1
3.40     4.00     3.16     YES
 L0000504         0   0.18727E-02  459295.3 3769942.9   339.3
3.40     4.00     3.16     YES
 L0000505         0   0.18727E-02  459296.4 3769951.4   339.4
3.40     4.00     3.16     YES
 L0000506         0   0.18727E-02  459297.5 3769960.0   339.5
3.40     4.00     3.16     YES
 L0000507         0   0.18727E-02  459296.9 3769967.1   339.7
3.40     4.00     3.16     YES
 L0000508         0   0.18727E-02  459288.3 3769967.4   339.6
3.40     4.00     3.16     YES
 L0000509         0   0.18727E-02  459279.7 3769967.6   339.7
3.40     4.00     3.16     YES
 L0000510         0   0.18727E-02  459271.1 3769967.9   339.7
3.40     4.00     3.16     YES
 L0000511         0   0.18727E-02  459262.5 3769968.2   339.7
3.40     4.00     3.16     YES
 L0000512         0   0.18727E-02  459253.9 3769968.5   339.8
3.40     4.00     3.16     YES
 L0000513         0   0.18727E-02  459245.3 3769968.8   339.9
3.40     4.00     3.16     YES
 L0000514         0   0.18727E-02  459236.7 3769969.1   340.0
3.40     4.00     3.16     YES
 L0000515         0   0.18727E-02  459228.2 3769969.4   340.0
3.40     4.00     3.16     YES
 L0000516         0   0.18727E-02  459227.4 3769961.9   339.9
3.40     4.00     3.16     YES
 L0000517         0   0.18727E-02  459227.8 3769953.3   339.8
3.40     4.00     3.16     YES
 L0000518         0   0.18727E-02  459228.2 3769944.7   339.6
3.40     4.00     3.16     YES
 L0000519         0   0.18727E-02  459235.9 3769943.4   339.6
3.40     4.00     3.16     YES
 L0000520         0   0.18727E-02  459244.5 3769942.9   339.6
3.40     4.00     3.16     YES
```

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0000521	0	0.18727E-02	459253.1	3769942.4	339.6	3.40	4.00	3.16	YES	
L0000522	0	0.18727E-02	459261.7	3769942.0	339.5	3.40	4.00	3.16	YES	
L0000523	0	0.18727E-02	459270.3	3769941.5	339.4	3.40	4.00	3.16	YES	
L0000524	0	0.18727E-02	459278.8	3769941.0	339.3	3.40	4.00	3.16	YES	
L0000525	0	0.18727E-02	459282.1	3769947.1	339.4	3.40	4.00	3.16	YES	
L0000526	0	0.18727E-02	459283.3	3769955.6	339.5	3.40	4.00	3.16	YES	
L0000527	0	0.18727E-02	459281.1	3769961.1	339.5	3.40	4.00	3.16	YES	
L0000528	0	0.18727E-02	459272.5	3769961.3	339.6	3.40	4.00	3.16	YES	
L0000529	0	0.18727E-02	459263.9	3769961.5	339.6	3.40	4.00	3.16	YES	
L0000530	0	0.18727E-02	459255.3	3769961.7	339.7	3.40	4.00	3.16	YES	
L0000531	0	0.18727E-02	459246.7	3769961.9	339.8	3.40	4.00	3.16	YES	
L0000532	0	0.18727E-02	459238.1	3769962.1	339.9	3.40	4.00	3.16	YES	
L0000533	0	0.18727E-02	459232.2	3769958.9	339.8	3.40	4.00	3.16	YES	
L0000534	0	0.18727E-02	459230.2	3769950.5	339.7	3.40	4.00	3.16	YES	

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** SOURCE IDs
DEFINING SOURCE GROUPS ***

SRCGROUP ID	SOURCE IDs
ALL	L0000001 , L0000002 , L0000003 , L0000004 , L0000005 , L0000006 , L0000007 , L0000008 ,
	L0000009 , L0000010 , L0000011 , L0000012 , L0000013 , L0000014 , L0000015 , L0000016 ,
	L0000017 , L0000018 , L0000019 , L0000020 , L0000021 , L0000022 , L0000023 , L0000024 ,
	L0000025 , L0000026 , L0000027 , L0000028 , L0000029 , L0000030 , L0000031 , L0000032 ,
	L0000033 , L0000034 , L0000035 , L0000036 , L0000037 , L0000038 , L0000039 , L0000040 ,
	L0000041 , L0000042 , L0000043 , L0000044 , L0000045 , L0000046 , L0000047 , L0000048 ,
	L0000049 , L0000050 , L0000051 , L0000052 , L0000053 , L0000054 , L0000055 , L0000056 ,
	L0000057 , L0000058 , L0000059 , L0000060 , L0000061 , L0000062 , L0000063 , L0000064 ,
	L0000065 , L0000066 , L0000067 , L0000068 , L0000069 , L0000070 , L0000071 ,

```
L0000072    ,

             L0000073    , L0000074    , L0000075    ,
L0000076    , L0000077    , L0000078    , L0000079    ,
L0000080    ,

             L0000081    , L0000082    , L0000083    ,
L0000084    , L0000085    , L0000086    , L0000087    ,
L0000088    ,

             L0000089    , L0000090    , L0000091    ,
L0000092    , L0000093    , L0000094    , L0000095    ,
L0000096    ,

             L0000097    , L0000098    , L0000099    ,
L0000100    , L0000101    , L0000102    , L0000103    ,
L0000104    ,

             L0000105    , L0000106    , L0000107    ,
L0000108    , L0000109    , L0000110    , L0000111    ,
L0000112    ,

             L0000113    , L0000114    , L0000115    ,
L0000116    , L0000117    , L0000118    , L0000119    ,
L0000120    ,

             L0000121    , L0000122    , L0000123    ,
L0000124    , L0000125    , L0000126    , L0000127    ,
L0000128    ,

             L0000129    , L0000130    , L0000131    ,
L0000132    , L0000133    , L0000134    , L0000135    ,
L0000136    ,

             L0000137    , L0000138    , L0000139    ,
L0000140    , L0000141    , L0000142    , L0000143    ,
L0000144    ,

             L0000145    , L0000146    , L0000147    ,
L0000148    , L0000149    , L0000150    , L0000151    ,
L0000152    ,

             L0000153    , L0000154    , L0000155    ,
L0000156    , L0000157    , L0000158    , L0000159    ,
L0000160    ,
```

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** SOURCE IDs
DEFINING SOURCE GROUPS ***

SRCGROUP ID	SOURCE IDs
L0000161 , L0000162 , L0000163 , L0000164 , L0000165 , L0000166 , L0000167 , L0000168 ,	
L0000169 , L0000170 , L0000171 , L0000172 , L0000173 , L0000174 , L0000175 , L0000176 ,	
L0000177 , L0000178 , L0000179 , L0000180 , L0000181 , L0000182 , L0000183 , L0000184 ,	
L0000185 , L0000186 , L0000187 , L0000188 , L0000189 , L0000190 , L0000191 , L0000192 ,	
L0000193 , L0000194 , L0000195 , L0000196 , L0000197 , L0000198 , L0000199 , L0000200 ,	
L0000201 , L0000202 , L0000203 , L0000204 , L0000205 , L0000206 , L0000207 , L0000208 ,	
L0000209 , L0000210 , L0000211 , L0000212 , L0000213 , L0000214 , L0000215 , L0000216 ,	
L0000217 , L0000218 , L0000219 , L0000220 , L0000221 , L0000222 , L0000223 , L0000224 ,	
L0000225 , L0000226 , L0000227 , L0000228 , L0000229 , L0000230 , L0000231 ,	

```
L0000232    ,

             L0000233    , L0000234    , L0000235    ,
L0000236    , L0000237    , L0000238    , L0000239    ,
L0000240    ,

             L0000241    , L0000242    , L0000243    ,
L0000244    , L0000245    , L0000246    , L0000247    ,
L0000248    ,

             L0000249    , L0000250    , L0000251    ,
L0000252    , L0000253    , L0000254    , L0000255    ,
L0000256    ,

             L0000257    , L0000258    , L0000259    ,
L0000260    , L0000261    , L0000262    , L0000263    ,
L0000264    ,

             L0000265    , L0000266    , L0000267    ,
L0000268    , L0000269    , L0000270    , L0000271    ,
L0000272    ,

             L0000273    , L0000274    , L0000275    ,
L0000276    , L0000277    , L0000278    , L0000279    ,
L0000280    ,

             L0000281    , L0000282    , L0000283    ,
L0000284    , L0000285    , L0000286    , L0000287    ,
L0000288    ,

             L0000289    , L0000290    , L0000291    ,
L0000292    , L0000293    , L0000294    , L0000295    ,
L0000296    ,

             L0000297    , L0000298    , L0000299    ,
L0000300    , L0000301    , L0000302    , L0000303    ,
L0000304    ,

             L0000305    , L0000306    , L0000307    ,
L0000308    , L0000309    , L0000310    , L0000311    ,
L0000312    ,

             L0000313    , L0000314    , L0000315    ,
L0000316    , L0000317    , L0000318    , L0000319    ,
L0000320    ,
```

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** SOURCE IDs
DEFINING SOURCE GROUPS ***

SRCGROUP ID	SOURCE IDs
L0000321 , L0000322 , L0000323 , L0000324 , L0000325 , L0000326 , L0000327 , L0000328 ,	
L0000329 , L0000330 , L0000331 , L0000332 , L0000333 , L0000334 , L0000335 , L0000336 ,	
L0000337 , L0000338 , L0000339 , L0000340 , L0000341 , L0000342 , L0000343 , L0000344 ,	
L0000345 , L0000346 , L0000347 , L0000348 , L0000349 , L0000350 , L0000351 , L0000352 ,	
L0000353 , L0000354 , L0000355 , L0000356 , L0000357 , L0000358 , L0000359 , L0000360 ,	
L0000361 , L0000362 , L0000363 , L0000364 , L0000365 , L0000366 , L0000367 , L0000368 ,	
L0000369 , L0000370 , L0000371 , L0000372 , L0000373 , L0000374 , L0000375 , L0000376 ,	
L0000377 , L0000378 , L0000379 , L0000380 , L0000381 , L0000382 , L0000383 , L0000384 ,	
L0000385 , L0000386 , L0000387 , L0000388 , L0000389 , L0000390 , L0000391 ,	

```
L0000392    ,

             L0000393    , L0000394    , L0000395    ,
L0000396    , L0000397    , L0000398    , L0000399    ,
L0000400    ,

             L0000401    , L0000402    , L0000403    ,
L0000404    , L0000405    , L0000406    , L0000407    ,
L0000408    ,

             L0000409    , L0000410    , L0000411    ,
L0000412    , L0000413    , L0000414    , L0000415    ,
L0000416    ,

             L0000417    , L0000418    , L0000419    ,
L0000420    , L0000421    , L0000422    , L0000423    ,
L0000424    ,

             L0000425    , L0000426    , L0000427    ,
L0000428    , L0000429    , L0000430    , L0000431    ,
L0000432    ,

             L0000433    , L0000434    , L0000435    ,
L0000436    , L0000437    , L0000438    , L0000439    ,
L0000440    ,

             L0000441    , L0000442    , L0000443    ,
L0000444    , L0000445    , L0000446    , L0000447    ,
L0000448    ,

             L0000449    , L0000450    , L0000451    ,
L0000452    , L0000453    , L0000454    , L0000455    ,
L0000456    ,

             L0000457    , L0000458    , L0000459    ,
L0000460    , L0000461    , L0000462    , L0000463    ,
L0000464    ,

             L0000465    , L0000466    , L0000467    ,
L0000468    , L0000469    , L0000470    , L0000471    ,
L0000472    ,

             L0000473    , L0000474    , L0000475    ,
L0000476    , L0000477    , L0000478    , L0000479    ,
L0000480    ,
```

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** SOURCE IDs
DEFINING SOURCE GROUPS ***

SRCGROUP ID	SOURCE IDs
L0000481 , L0000482 , L0000483 , L0000484 , L0000485 , L0000486 , L0000487 , L0000488 ,	
L0000489 , L0000490 , L0000491 , L0000492 , L0000493 , L0000494 , L0000495 , L0000496 ,	
L0000497 , L0000498 , L0000499 , L0000500 , L0000501 , L0000502 , L0000503 , L0000504 ,	
L0000505 , L0000506 , L0000507 , L0000508 , L0000509 , L0000510 , L0000511 , L0000512 ,	
L0000513 , L0000514 , L0000515 , L0000516 , L0000517 , L0000518 , L0000519 , L0000520 ,	
L0000521 , L0000522 , L0000523 , L0000524 , L0000525 , L0000526 , L0000527 , L0000528 ,	
L0000529 , L0000530 , L0000531 , L0000532 , L0000533 , L0000534 ,	

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** SOURCE IDs DEFINED
AS URBAN SOURCES ***

URBAN ID	URBAN POP	SOURCE IDs
	2035210.	L0000001 , L0000002 , L0000003 , L0000004 , L0000005 , L0000006 , L0000007 , L0000008 ,
		L0000009 , L0000010 , L0000011 , L0000012 , L0000013 , L0000014 , L0000015 , L0000016 ,
		L0000017 , L0000018 , L0000019 , L0000020 , L0000021 , L0000022 , L0000023 , L0000024 ,
		L0000025 , L0000026 , L0000027 , L0000028 , L0000029 , L0000030 , L0000031 , L0000032 ,
		L0000033 , L0000034 , L0000035 , L0000036 , L0000037 , L0000038 , L0000039 , L0000040 ,
		L0000041 , L0000042 , L0000043 , L0000044 , L0000045 , L0000046 , L0000047 , L0000048 ,
		L0000049 , L0000050 , L0000051 , L0000052 , L0000053 , L0000054 , L0000055 , L0000056 ,
		L0000057 , L0000058 , L0000059 , L0000060 , L0000061 , L0000062 , L0000063 , L0000064 ,
		L0000065 , L0000066 , L0000067 ,

```
L0000068    , L0000069    , L0000070    , L0000071    ,
L0000072    ,

             L0000073    , L0000074    , L0000075    ,
L0000076    , L0000077    , L0000078    , L0000079    ,
L0000080    ,

             L0000081    , L0000082    , L0000083    ,
L0000084    , L0000085    , L0000086    , L0000087    ,
L0000088    ,

             L0000089    , L0000090    , L0000091    ,
L0000092    , L0000093    , L0000094    , L0000095    ,
L0000096    ,

             L0000097    , L0000098    , L0000099    ,
L0000100    , L0000101    , L0000102    , L0000103    ,
L0000104    ,

             L0000105    , L0000106    , L0000107    ,
L0000108    , L0000109    , L0000110    , L0000111    ,
L0000112    ,

             L0000113    , L0000114    , L0000115    ,
L0000116    , L0000117    , L0000118    , L0000119    ,
L0000120    ,

             L0000121    , L0000122    , L0000123    ,
L0000124    , L0000125    , L0000126    , L0000127    ,
L0000128    ,

             L0000129    , L0000130    , L0000131    ,
L0000132    , L0000133    , L0000134    , L0000135    ,
L0000136    ,

             L0000137    , L0000138    , L0000139    ,
L0000140    , L0000141    , L0000142    , L0000143    ,
L0000144    ,

             L0000145    , L0000146    , L0000147    ,
L0000148    , L0000149    , L0000150    , L0000151    ,
L0000152    ,

             L0000153    , L0000154    , L0000155    ,
L0000156    , L0000157    , L0000158    , L0000159    ,
L0000160    ,
```

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** SOURCE IDs DEFINED
AS URBAN SOURCES ***

URBAN ID	URBAN POP	SOURCE IDs

L0000161 , L0000162 , L0000163 ,
L0000164 , L0000165 , L0000166 , L0000167 ,
L0000168 ,

L0000169 , L0000170 , L0000171 ,
L0000172 , L0000173 , L0000174 , L0000175 ,
L0000176 ,

L0000177 , L0000178 , L0000179 ,
L0000180 , L0000181 , L0000182 , L0000183 ,
L0000184 ,

L0000185 , L0000186 , L0000187 ,
L0000188 , L0000189 , L0000190 , L0000191 ,
L0000192 ,

L0000193 , L0000194 , L0000195 ,
L0000196 , L0000197 , L0000198 , L0000199 ,
L0000200 ,

L0000201 , L0000202 , L0000203 ,
L0000204 , L0000205 , L0000206 , L0000207 ,
L0000208 ,

L0000209 , L0000210 , L0000211 ,
L0000212 , L0000213 , L0000214 , L0000215 ,
L0000216 ,

L0000217 , L0000218 , L0000219 ,
L0000220 , L0000221 , L0000222 , L0000223 ,
L0000224 ,

L0000225 , L0000226 , L0000227 ,
L0000228 , L0000229 , L0000230 , L0000231 ,

```
L0000232    ,

             L0000233    , L0000234    , L0000235    ,
L0000236    , L0000237    , L0000238    , L0000239    ,
L0000240    ,

             L0000241    , L0000242    , L0000243    ,
L0000244    , L0000245    , L0000246    , L0000247    ,
L0000248    ,

             L0000249    , L0000250    , L0000251    ,
L0000252    , L0000253    , L0000254    , L0000255    ,
L0000256    ,

             L0000257    , L0000258    , L0000259    ,
L0000260    , L0000261    , L0000262    , L0000263    ,
L0000264    ,

             L0000265    , L0000266    , L0000267    ,
L0000268    , L0000269    , L0000270    , L0000271    ,
L0000272    ,

             L0000273    , L0000274    , L0000275    ,
L0000276    , L0000277    , L0000278    , L0000279    ,
L0000280    ,

             L0000281    , L0000282    , L0000283    ,
L0000284    , L0000285    , L0000286    , L0000287    ,
L0000288    ,

             L0000289    , L0000290    , L0000291    ,
L0000292    , L0000293    , L0000294    , L0000295    ,
L0000296    ,

             L0000297    , L0000298    , L0000299    ,
L0000300    , L0000301    , L0000302    , L0000303    ,
L0000304    ,

             L0000305    , L0000306    , L0000307    ,
L0000308    , L0000309    , L0000310    , L0000311    ,
L0000312    ,

             L0000313    , L0000314    , L0000315    ,
L0000316    , L0000317    , L0000318    , L0000319    ,
L0000320    ,
```

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** SOURCE IDs DEFINED
AS URBAN SOURCES ***

URBAN ID	URBAN POP	SOURCE IDs

L0000321 , L0000322 , L0000323 ,
L0000324 , L0000325 , L0000326 , L0000327 ,
L0000328 ,

L0000329 , L0000330 , L0000331 ,
L0000332 , L0000333 , L0000334 , L0000335 ,
L0000336 ,

L0000337 , L0000338 , L0000339 ,
L0000340 , L0000341 , L0000342 , L0000343 ,
L0000344 ,

L0000345 , L0000346 , L0000347 ,
L0000348 , L0000349 , L0000350 , L0000351 ,
L0000352 ,

L0000353 , L0000354 , L0000355 ,
L0000356 , L0000357 , L0000358 , L0000359 ,
L0000360 ,

L0000361 , L0000362 , L0000363 ,
L0000364 , L0000365 , L0000366 , L0000367 ,
L0000368 ,

L0000369 , L0000370 , L0000371 ,
L0000372 , L0000373 , L0000374 , L0000375 ,
L0000376 ,

L0000377 , L0000378 , L0000379 ,
L0000380 , L0000381 , L0000382 , L0000383 ,
L0000384 ,

L0000385 , L0000386 , L0000387 ,
L0000388 , L0000389 , L0000390 , L0000391 ,

```
L0000392    ,

             L0000393    , L0000394    , L0000395    ,
L0000396    , L0000397    , L0000398    , L0000399    ,
L0000400    ,

             L0000401    , L0000402    , L0000403    ,
L0000404    , L0000405    , L0000406    , L0000407    ,
L0000408    ,

             L0000409    , L0000410    , L0000411    ,
L0000412    , L0000413    , L0000414    , L0000415    ,
L0000416    ,

             L0000417    , L0000418    , L0000419    ,
L0000420    , L0000421    , L0000422    , L0000423    ,
L0000424    ,

             L0000425    , L0000426    , L0000427    ,
L0000428    , L0000429    , L0000430    , L0000431    ,
L0000432    ,

             L0000433    , L0000434    , L0000435    ,
L0000436    , L0000437    , L0000438    , L0000439    ,
L0000440    ,

             L0000441    , L0000442    , L0000443    ,
L0000444    , L0000445    , L0000446    , L0000447    ,
L0000448    ,

             L0000449    , L0000450    , L0000451    ,
L0000452    , L0000453    , L0000454    , L0000455    ,
L0000456    ,

             L0000457    , L0000458    , L0000459    ,
L0000460    , L0000461    , L0000462    , L0000463    ,
L0000464    ,

             L0000465    , L0000466    , L0000467    ,
L0000468    , L0000469    , L0000470    , L0000471    ,
L0000472    ,

             L0000473    , L0000474    , L0000475    ,
L0000476    , L0000477    , L0000478    , L0000479    ,
L0000480    ,
```

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** SOURCE IDs DEFINED
AS URBAN SOURCES ***

URBAN ID	URBAN POP	SOURCE IDs
		L0000481 , L0000482 , L0000483 , L0000484 , L0000485 , L0000486 , L0000487 , L0000488 ,
		L0000489 , L0000490 , L0000491 , L0000492 , L0000493 , L0000494 , L0000495 , L0000496 ,
		L0000497 , L0000498 , L0000499 , L0000500 , L0000501 , L0000502 , L0000503 , L0000504 ,
		L0000505 , L0000506 , L0000507 , L0000508 , L0000509 , L0000510 , L0000511 , L0000512 ,
		L0000513 , L0000514 , L0000515 , L0000516 , L0000517 , L0000518 , L0000519 , L0000520 ,
		L0000521 , L0000522 , L0000523 , L0000524 , L0000525 , L0000526 , L0000527 , L0000528 ,
		L0000529 , L0000530 , L0000531 , L0000532 , L0000533 , L0000534 ,

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** GRIDDED RECEPTOR
NETWORK SUMMARY ***

*** NETWORK ID: UCART1 ;
NETWORK TYPE: GRIDCART ***

*** X-COORDINATES OF
GRID ***
(METERS)

459502.7, 459511.4, 459520.1, 459528.8, 459537.5,
459546.2, 459554.9, 459563.6, 459572.3, 459581.0,
459589.8, 459598.5, 459607.2, 459615.9, 459624.6,
459633.3, 459642.0, 459650.7, 459659.4, 459668.1,
459676.9,

*** Y-COORDINATES OF
GRID ***
(METERS)

3769257.7, 3769266.6, 3769275.6, 3769284.5, 3769293.5,
3769302.4, 3769311.4, 3769320.3, 3769329.3, 3769338.2,
3769347.2, 3769356.1, 3769365.1, 3769374.0, 3769383.0,
3769391.9, 3769400.9, 3769409.8, 3769418.8, 3769427.7,
3769436.7,

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** NETWORK ID: UCART1 ;
NETWORK TYPE: GRIDCART ***

* ELEVATION
HEIGHTS IN METERS *

Y-COORD (METERS)	X-COORD (METERS)									
	459502.66	459511.37	459520.08	459528.79	459537.50	459546.21	459554.92	459563.63	459572.34
3769436.66	334.40	334.40	334.30	334.30	334.30	334.30	334.40	334.40	334.40
3769427.71	334.30	334.30	334.30	334.20	334.20	334.20	334.20	334.20	334.20
3769418.76	334.20	334.30	334.10	334.00	334.00	334.10	334.20	334.20	334.10
3769409.81	334.10	334.10	334.00	333.90	333.90	334.10	334.20	334.20	334.10
3769400.86	334.00	333.90	333.80	333.70	333.80	334.00	334.10	334.10	334.00
3769391.91	333.90	333.80	333.70	333.60	333.70	333.80	334.00	334.00	333.90
3769382.96	333.80	333.70	333.60	333.50	333.60	333.70	333.90	333.90	333.80
3769374.01	333.70	333.60	333.40	333.40	333.40	333.60	333.80	333.80	333.70
3769365.06	333.60	333.50	333.30	333.30	333.30	333.40	333.60	333.70	333.60
3769356.11	333.50	333.30	333.20	333.10	333.20	333.30	333.50	333.60	

```
333.40
  3769347.16 |        333.30       333.20       333.10
333.00       333.00       333.10       333.40       333.50
333.30
  3769338.21 |        333.20       333.10       332.90
332.90       332.80       332.90       333.20       333.40
333.20
  3769329.26 |        333.00       332.90       332.80
332.70       332.70       332.80       333.10       333.30
333.10
  3769320.31 |        332.80       332.80       332.70
332.60       332.60       332.70       333.00       333.10
333.00
  3769311.36 |        332.70       332.70       332.50
332.50       332.50       332.60       332.90       333.00
332.90
  3769302.41 |        332.60       332.50       332.40
332.40       332.40       332.60       332.80       332.90
332.90
  3769293.46 |        332.50       332.40       332.30
332.20       332.30       332.40       332.70       332.80
332.70
  3769284.51 |        332.30       332.20       332.10
332.10       332.20       332.30       332.50       332.60
332.60
  3769275.56 |        332.10       332.10       332.00
332.00       332.00       332.20       332.30       332.40
332.40
  3769266.61 |        332.00       332.00       331.90
331.80       331.90       332.00       332.10       332.20
332.20
  3769257.66 |        331.80       331.80       331.80
331.70       331.80       331.90       332.00       332.00
332.10
```

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** NETWORK ID: UCART1 ;
NETWORK TYPE: GRIDCART ***

* ELEVATION
HEIGHTS IN METERS *

Y-COORD (METERS)	X-COORD (METERS)											
	459581.05	459589.76	459598.47	459607.18	459615.89	459624.60	459633.31	459642.02	459650.73			
3769436.66	334.40	334.50	334.50	334.50	334.50	334.50	334.60	334.60	334.60			
3769427.71	334.30	334.30	334.30	334.40	334.40	334.40	334.40	334.50	334.50			
3769418.76	334.10	334.20	334.30	334.40	334.40	334.30	334.30	334.40	334.50			
3769409.81	334.00	334.10	334.20	334.40	334.40	334.30	334.20	334.30	334.40			
3769400.86	333.90	334.00	334.10	334.30	334.40	334.20	334.10	334.20	334.30			
3769391.91	333.80	333.90	334.00	334.20	334.20	334.10	334.00	334.10	334.30			
3769382.96	333.70	333.80	333.90	334.10	334.10	334.00	333.90	334.00	334.20			
3769374.01	333.60	333.70	333.80	333.90	334.00	333.90	333.80	333.90	334.00			
3769365.06	333.50	333.50	333.60	333.80	333.90	333.80	333.70	333.80	333.90			
3769356.11	333.40	333.40	333.50	333.70	333.80	333.60	333.60	333.70				

```
333.80
  3769347.16 |        333.30       333.30       333.50
333.60       333.60       333.50       333.50       333.60
333.70
  3769338.21 |        333.10       333.20       333.30
333.50       333.50       333.40       333.40       333.50
333.50
  3769329.26 |        333.00       333.10       333.20
333.40       333.40       333.30       333.30       333.30
333.40
  3769320.31 |        332.90       333.00       333.10
333.30       333.30       333.20       333.20       333.20
333.30
  3769311.36 |        332.80       332.90       333.00
333.20       333.20       333.10       333.00       333.20
333.20
  3769302.41 |        332.70       332.80       332.90
333.10       333.10       333.00       332.90       333.10
333.10
  3769293.46 |        332.60       332.60       332.70
332.90       333.00       332.90       332.80       332.90
333.00
  3769284.51 |        332.50       332.50       332.60
332.80       332.80       332.70       332.70       332.80
332.90
  3769275.56 |        332.40       332.40       332.50
332.60       332.60       332.60       332.60       332.60
332.70
  3769266.61 |        332.30       332.30       332.40
332.40       332.40       332.40       332.50       332.50
332.60
  3769257.66 |        332.10       332.20       332.20
332.30       332.30       332.30       332.40       332.40
332.50
```

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** NETWORK ID: UCART1 ;
NETWORK TYPE: GRIDCART ***

* ELEVATION
HEIGHTS IN METERS *

Y-COORD (METERS)	X-COORD (METERS) 459659.44	459668.15	459676.86
3769436.66	334.60	334.70	334.70
3769427.71	334.60	334.60	334.60
3769418.76	334.50	334.50	334.50
3769409.81	334.50	334.50	334.40
3769400.86	334.40	334.40	334.30
3769391.91	334.30	334.20	334.10
3769382.96	334.20	334.10	333.90
3769374.01	334.00	333.90	333.80
3769365.06	333.90	333.80	333.60
3769356.11	333.80	333.60	333.50
3769347.16	333.60	333.50	333.30
3769338.21	333.50	333.30	333.20
3769329.26	333.40	333.20	333.10
3769320.31	333.20	333.10	332.90
3769311.36	333.20	333.00	332.90
3769302.41	333.10	333.00	332.90
3769293.46	333.00	333.00	332.90
3769284.51	332.90	332.90	332.80
3769275.56	332.80	332.70	332.70
3769266.61	332.60	332.60	332.60
3769257.66	332.50	332.50	332.50

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

* HILL HEIGHT SCALES IN METERS *

Y-COORD (METERS)	X-COORD (METERS)								
	459502.66	459511.37	459520.08	459528.79	459537.50	459546.21	459554.92	459563.63	459572.34
3769436.66	2700.30	2700.30	2700.30	2700.30	2700.30	2700.30	2700.30	2700.30	2700.30
3769427.71	2700.30	2700.30	2700.30	2700.30	2700.30	2700.30	2700.30	2700.30	2700.30
3769418.76	2700.30	2700.30	2700.30	2700.30	2700.30	2700.30	2700.30	2700.30	2700.30
3769409.81	2700.30	2700.30	2700.30	2700.30	2700.30	2700.30	2700.30	2700.30	2700.30
3769400.86	2700.30	2700.30	2700.30	2700.30	2700.30	2700.30	2700.30	2700.30	2700.30
3769391.91	2700.30	2700.30	2700.30	2700.30	2700.30	2700.30	2700.30	2700.30	2700.30
3769382.96	2700.30	2700.30	2700.30	2700.30	2700.30	2700.30	2700.30	2700.30	2700.30
3769374.01	2700.30	2700.30	2700.30	2700.30	2700.30	2700.30	2700.30	2700.30	2700.30
3769365.06	2700.30	2700.30	2700.30	2700.30	2700.30	2700.30	2700.30	2700.30	2700.30
3769356.11	2700.30	2700.30	2700.30	2700.30	2700.30	2700.30	2700.30	2700.30	2700.30

2700.30
  3769347.16 | 2700.30   2700.30   2700.30
2700.30   2700.30   2700.30   2700.30   2700.30
2700.30
  3769338.21 | 2700.30   2700.30   2700.30
2700.30   2700.30   2700.30   2700.30   2700.30
2700.30
  3769329.26 | 2700.30   2700.30   2700.30
2700.30   2700.30   2700.30   2700.30   2700.30
2700.30
  3769320.31 | 2700.30   2700.30   2700.30
2700.30   2700.30   2700.30   2700.30   2700.30
2700.30
  3769311.36 | 2700.30   2700.30   2700.30
2700.30   2700.30   2700.30   2700.30   2700.30
2700.30
  3769302.41 | 2700.30   2700.30   2700.30
2700.30   2700.30   2700.30   2700.30   2700.30
2700.30
  3769293.46 | 2700.30   2700.30   2700.30
2700.30   2700.30   2700.30   2700.30   2700.30
2700.30
  3769284.51 | 2700.30   2700.30   2700.30
2700.30   2700.30   2700.30   2700.30   2700.30
2700.30
  3769275.56 | 2700.30   2700.30   2700.30
2700.30   2700.30   2700.30   2700.30   2700.30
2700.30
  3769266.61 | 2700.30   2700.30   2700.30
2700.30   2700.30   2700.30   2700.30   2700.30
2700.30
  3769257.66 | 2700.30   2700.30   2700.30
2700.30   2700.30   2700.30   2700.30   2700.30
2700.30

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** NETWORK ID: UCART1 ;
NETWORK TYPE: GRIDCART ***

* HILL HEIGHT
SCALES IN METERS *

Y-COORD (METERS)	X-COORD (METERS)								
	459581.05	459589.76	459598.47	459607.18	459615.89	459624.60	459633.31	459642.02	459650.73
3769436.66	2700.30	2700.30	2700.30	2700.30	2700.30	2700.30	2700.30	2700.30	2700.30
3769427.71	2700.30	2700.30	2700.30	2700.30	2700.30	2700.30	2700.30	2700.30	2700.30
3769418.76	2700.30	2700.30	2700.30	2700.30	2700.30	2700.30	2700.30	2700.30	2700.30
3769409.81	2700.30	2700.30	2700.30	2700.30	2700.30	2700.30	2700.30	2700.30	2700.30
3769400.86	2700.30	2700.30	2700.30	2700.30	2700.30	2700.30	2700.30	2700.30	2700.30
3769391.91	2700.30	2700.30	2700.30	2700.30	2700.30	2700.30	2700.30	2700.30	2700.30
3769382.96	2700.30	2700.30	2700.30	2700.30	2700.30	2700.30	2700.30	2700.30	2700.30
3769374.01	2700.30	2700.30	2700.30	2700.30	2700.30	2700.30	2700.30	2700.30	2700.30
3769365.06	2700.30	2700.30	2700.30	2700.30	2700.30	2700.30	2700.30	2700.30	2700.30
3769356.11	2700.30	2700.30	2700.30	2700.30	2700.30	2700.30	2700.30	2700.30	2700.30

```
2700.30
  3769347.16 |       2700.30      2700.30      2700.30
2700.30      2700.30      2700.30      2700.30      2700.30
2700.30
  3769338.21 |       2700.30      2700.30      2700.30
2700.30      2700.30      2700.30      2700.30      2700.30
2700.30
  3769329.26 |       2700.30      2700.30      2700.30
2700.30      2700.30      2700.30      2700.30      2700.30
2700.30
  3769320.31 |       2700.30      2700.30      2700.30
2700.30      2700.30      2700.30      2700.30      2700.30
2700.30
  3769311.36 |       2700.30      2700.30      2700.30
2700.30      2700.30      2700.30      2700.30      2700.30
2700.30
  3769302.41 |       2700.30      2700.30      2700.30
2700.30      2700.30      2700.30      2700.30      2700.30
2700.30
  3769293.46 |       2700.30      2700.30      2700.30
2700.30      2700.30      2700.30      2700.30      2700.30
2700.30
  3769284.51 |       2700.30      2700.30      2700.30
2700.30      2700.30      2700.30      2700.30      2700.30
2700.30
  3769275.56 |       2700.30      2700.30      2700.30
2700.30      2700.30      2700.30      2700.30      2700.30
2700.30
  3769266.61 |       2700.30      2700.30      2700.30
2700.30      2700.30      2700.30      2700.30      2700.30
2700.30
  3769257.66 |       2700.30      2700.30      2700.30
2700.30      2700.30      2700.30      2700.30      2700.30
2700.30
```

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** NETWORK ID: UCART1 ;
NETWORK TYPE: GRIDCART ***

* HILL HEIGHT
SCALES IN METERS *

Y-COORD (METERS)	X-COORD (METERS)		
	459659.44	459668.15	459676.86
3769436.66	2700.30	2700.30	2700.30
3769427.71	2700.30	2700.30	2700.30
3769418.76	2700.30	2700.30	2700.30
3769409.81	2700.30	2700.30	2700.30
3769400.86	2700.30	2700.30	2700.30
3769391.91	2700.30	2700.30	2700.30
3769382.96	2700.30	2700.30	2700.30
3769374.01	2700.30	2700.30	2700.30
3769365.06	2700.30	2700.30	2700.30
3769356.11	2700.30	2700.30	2700.30
3769347.16	2700.30	2700.30	2700.30
3769338.21	2700.30	2700.30	2700.30
3769329.26	2700.30	2700.30	2700.30
3769320.31	2700.30	2700.30	2700.30
3769311.36	2700.30	2700.30	2700.30
3769302.41	2700.30	2700.30	2700.30
3769293.46	2700.30	2700.30	2700.30
3769284.51	2700.30	2700.30	2700.30
3769275.56	2700.30	2700.30	2700.30
3769266.61	2700.30	2700.30	2700.30
3769257.66	2700.30	2700.30	2700.30

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** GRIDDED RECEPTOR
NETWORK SUMMARY ***

*** NETWORK ID: UCART2 ;
NETWORK TYPE: GRIDCART ***

*** X-COORDINATES OF
GRID ***
(METERS)

458602.1, 458618.1, 458634.2, 458650.3, 458666.4,
458682.5, 458698.5, 458714.6, 458730.7, 458746.8,
458762.9, 458778.9, 458795.0, 458811.1, 458827.2,
458843.3, 458859.3, 458875.4, 458891.5, 458907.6,
458923.7,

*** Y-COORDINATES OF
GRID ***
(METERS)

3769739.3, 3769753.6, 3769767.9, 3769782.3, 3769796.6,
3769810.9, 3769825.2, 3769839.5, 3769853.8, 3769868.1,
3769882.4, 3769896.7, 3769911.0, 3769925.4, 3769939.7,
3769954.0, 3769968.3, 3769982.6, 3769996.9, 3770011.2,
3770025.5,

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** NETWORK ID: UCART2 ;
NETWORK TYPE: GRIDCART ***

* ELEVATION
HEIGHTS IN METERS *

Y-COORD (METERS)	X-COORD (METERS)									
	458602.06	458618.14	458634.22	458650.30	458666.38	458682.46	458698.54	458714.62	458730.70
3770025.53	338.30	338.70	338.80	338.90	338.90	339.00	339.10	339.10	339.20
3770011.22	338.00	338.40	338.60	338.70	338.80	338.90	339.00	339.10	339.10
3769996.91	337.70	337.90	338.00	338.10	338.20	338.30	338.40	338.50	338.50
3769982.60	337.60	337.80	337.90	337.70	337.80	337.80	337.90	338.00	338.20
3769968.29	337.40	337.70	337.70	337.50	337.40	337.40	337.40	337.60	337.80
3769953.98	337.30	337.50	337.60	337.30	337.20	337.10	337.20	337.30	337.50
3769939.67	337.10	337.30	337.40	337.20	337.00	336.90	337.00	337.10	337.20
3769925.36	337.00	337.20	337.30	337.10	337.00	336.80	337.10	337.20	337.40
3769911.05	336.80	337.10	337.20	337.10	336.90	336.70	337.00	337.20	337.30
3769896.74	336.70	337.00	337.10	337.10	336.90	336.70	337.00	337.10	

337.00
  3769882.43 | 336.60   336.90   337.10
337.00   336.90   336.60   336.90   337.00
336.90
  3769868.12 | 336.40   336.70   336.90
336.80   336.80   336.50   336.80   336.90
336.90
  3769853.81 | 336.20   336.40   336.50
336.50   336.50   336.40   336.60   336.70
336.70
  3769839.50 | 336.10   336.20   336.20
336.30   336.30   336.40   336.30   336.40
336.50
  3769825.19 | 335.90   335.90   335.90
336.10   336.20   336.30   336.10   336.20
336.50
  3769810.88 | 335.70   335.60   335.70
336.00   336.10   336.10   336.00   336.20
336.40
  3769796.57 | 335.50   335.50   335.50
335.80   335.90   335.80   335.90   336.20
336.40
  3769782.26 | 335.40   335.30   335.30
335.60   335.70   335.60   335.80   336.20
336.40
  3769767.95 | 335.20   335.20   335.30
335.50   335.50   335.60   335.70   336.10
336.20
  3769753.64 | 335.10   335.10   335.20
335.50   335.50   335.50   335.70   335.90
336.10
  3769739.33 | 334.90   335.10   335.20
335.40   335.40   335.50   335.60   335.60
335.80

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** NETWORK ID: UCART2 ;
NETWORK TYPE: GRIDCART ***

* ELEVATION
HEIGHTS IN METERS *

Y-COORD (METERS)	X-COORD (METERS)					
	458746.78	458762.86	458778.94	458795.02	458811.10	458827.18	458843.26	458859.34	458875.42
3770025.53	339.30	339.40	339.40	339.50	339.60	339.60	339.70	339.70	339.90
3770011.22	339.30	339.20	339.30	339.30	339.40	339.50	339.60	339.60	339.80
3769996.91	338.60	338.70	338.70	338.70	338.80	339.00	339.10	339.20	339.40
3769982.60	338.40	338.40	338.50	338.50	338.50	338.60	338.70	338.90	339.10
3769968.29	338.10	338.10	338.20	338.30	338.30	338.40	338.50	338.60	338.80
3769953.98	337.70	337.80	337.90	338.00	338.00	338.10	338.20	338.40	338.60
3769939.67	337.30	337.40	337.50	337.60	337.70	337.80	338.00	338.10	338.30
3769925.36	337.40	337.60	337.70	337.80	337.90	338.00	338.10	338.20	338.20
3769911.05	337.40	337.50	337.70	337.80	337.90	338.00	338.20	338.30	338.40
3769896.74	337.10	337.20	337.40	337.60	337.60	337.70	337.90	338.20	

338.30
  3769882.43 | 337.00   337.10   337.20
337.50   337.50   337.60   337.70   338.00
338.10
  3769868.12 | 337.00   337.10   337.20
337.30   337.40   337.50   337.60   337.70
337.80
  3769853.81 | 336.80   336.90   337.00
337.10   337.20   337.20   337.30   337.40
337.40
  3769839.50 | 336.60   336.80   336.80
336.80   336.90   337.00   337.10   337.20
337.40
  3769825.19 | 336.70   336.80   336.80
336.60   336.70   336.90   337.00   337.30
337.50
  3769810.88 | 336.60   336.70   336.70
336.50   336.50   336.70   337.00   337.20
337.30
  3769796.57 | 336.60   336.50   336.40
336.30   336.30   336.70   336.90   337.00
337.10
  3769782.26 | 336.50   336.40   336.40
336.20   336.30   336.50   336.70   336.80
336.90
  3769767.95 | 336.30   336.20   336.30
336.10   336.20   336.40   336.50   336.60
336.70
  3769753.64 | 336.20   336.20   336.20
335.90   336.10   336.30   336.40   336.60
336.50
  3769739.33 | 335.90   335.90   336.00
335.90   336.00   336.10   336.20   336.30
336.30

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** NETWORK ID: UCART2 ;
NETWORK TYPE: GRIDCART ***

* ELEVATION
HEIGHTS IN METERS *

Y-COORD (METERS)	X-COORD (METERS) 458891.50	458907.58	458923.66
3770025.53	340.10	340.20	340.20
3770011.22	340.00	340.10	340.20
3769996.91	339.60	339.70	339.90
3769982.60	339.30	339.50	339.60
3769968.29	339.00	339.10	339.30
3769953.98	338.60	338.80	338.90
3769939.67	338.40	338.50	338.60
3769925.36	338.30	338.20	338.50
3769911.05	338.40	338.10	338.50
3769896.74	338.30	338.00	338.40
3769882.43	338.00	337.80	338.30
3769868.12	337.90	337.60	338.10
3769853.81	337.50	337.40	337.70
3769839.50	337.30	337.30	337.50
3769825.19	337.40	337.30	337.20
3769810.88	337.30	337.10	337.00
3769796.57	337.10	336.90	336.90
3769782.26	336.80	336.70	336.80
3769767.95	336.70	336.60	336.70
3769753.64	336.50	336.50	336.60
3769739.33	336.30	336.30	336.40

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** NETWORK ID: UCART2 ;
NETWORK TYPE: GRIDCART ***

* HILL HEIGHT
SCALES IN METERS *

Y-COORD (METERS)	X-COORD (METERS)								
	458602.06	458618.14	458634.22	458650.30	458666.38	458682.46	458698.54	458714.62	458730.70
3770025.53	2700.30	2700.30	2700.30	2700.30	2700.30	2700.30	2700.30	2700.30	2700.30
3770011.22	2700.30	2700.30	2700.30	2700.30	2700.30	2700.30	2700.30	2700.30	2700.30
3769996.91	2700.30	2700.30	2700.30	2700.30	2700.30	2700.30	2700.30	2700.30	2700.30
3769982.60	2700.30	2700.30	2700.30	2700.30	2700.30	2700.30	2700.30	2700.30	2700.30
3769968.29	2700.30	2700.30	2700.30	2700.30	2700.30	2700.30	2700.30	2700.30	2700.30
3769953.98	2700.30	2700.30	2700.30	2700.30	2700.30	2700.30	2700.30	2700.30	2700.30
3769939.67	2700.30	2700.30	2700.30	2700.30	2700.30	2700.30	2700.30	2700.30	2700.30
3769925.36	2700.30	2700.30	2700.30	2700.30	2700.30	2700.30	2700.30	2700.30	2700.30
3769911.05	2700.30	2700.30	2700.30	2700.30	2700.30	2700.30	2700.30	2700.30	2700.30
3769896.74	2700.30	2700.30	2700.30	2700.30	2700.30	2700.30	2700.30	2700.30	2700.30

```
2700.30
  3769882.43 |       2700.30      2700.30      2700.30
2700.30      2700.30      2700.30      2700.30      2700.30
2700.30
  3769868.12 |       2700.30      2700.30      2700.30
2700.30      2700.30      2700.30      2700.30      2700.30
2700.30
  3769853.81 |       2700.30      2700.30      2700.30
2700.30      2700.30      2700.30      2700.30      2700.30
2700.30
  3769839.50 |       2700.30      2700.30      2700.30
2700.30      2700.30      2700.30      2700.30      2700.30
2700.30
  3769825.19 |       2700.30      2700.30      2700.30
2700.30      2700.30      2700.30      2700.30      2700.30
2700.30
  3769810.88 |       2700.30      2700.30      2700.30
2700.30      2700.30      2700.30      2700.30      2700.30
2700.30
  3769796.57 |       2700.30      2700.30      2700.30
2700.30      2700.30      2700.30      2700.30      2700.30
2700.30
  3769782.26 |       2700.30      2700.30      2700.30
2700.30      2700.30      2700.30      2700.30      2700.30
2700.30
  3769767.95 |       2700.30      2700.30      2700.30
2700.30      2700.30      2700.30      2700.30      2700.30
2700.30
  3769753.64 |       2700.30      2700.30      2700.30
2700.30      2700.30      2700.30      2700.30      2700.30
2700.30
  3769739.33 |       2700.30      2700.30      2700.30
2700.30      2700.30      2700.30      2700.30      2700.30
2700.30
```

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** NETWORK ID: UCART2 ;
NETWORK TYPE: GRIDCART ***

* HILL HEIGHT
SCALES IN METERS *

Y-COORD (METERS)	X-COORD (METERS)								
	458746.78	458762.86	458778.94	458795.02	458811.10	458827.18	458843.26	458859.34	458875.42
3770025.53	2700.30	2700.30	2700.30	2700.30	2700.30	2700.30	2700.30	2700.30	2700.30
3770011.22	2700.30	2700.30	2700.30	2700.30	2700.30	2700.30	2700.30	2700.30	2700.30
3769996.91	2700.30	2700.30	2700.30	2700.30	2700.30	2700.30	2700.30	2700.30	2700.30
3769982.60	2700.30	2700.30	2700.30	2700.30	2700.30	2700.30	2700.30	2700.30	2700.30
3769968.29	2700.30	2700.30	2700.30	2700.30	2700.30	2700.30	2700.30	2700.30	2700.30
3769953.98	2700.30	2700.30	2700.30	2700.30	2700.30	2700.30	2700.30	2700.30	2700.30
3769939.67	2700.30	2700.30	2700.30	2700.30	2700.30	2700.30	2700.30	2700.30	2700.30
3769925.36	2700.30	2700.30	2700.30	2700.30	2700.30	2700.30	2700.30	2700.30	2700.30
3769911.05	2700.30	2700.30	2700.30	2700.30	2700.30	2700.30	2700.30	2700.30	2700.30
3769896.74	2700.30	2700.30	2700.30	2700.30	2700.30	2700.30	2700.30	2700.30	2700.30

```
2700.30
  3769882.43 |       2700.30      2700.30      2700.30
2700.30      2700.30      2700.30      2700.30      2700.30
2700.30
  3769868.12 |       2700.30      2700.30      2700.30
2700.30      2700.30      2700.30      2700.30      2700.30
2700.30
  3769853.81 |       2700.30      2700.30      2700.30
2700.30      2700.30      2700.30      2700.30      2700.30
2700.30
  3769839.50 |       2700.30      2700.30      2700.30
2700.30      2700.30      2700.30      2700.30      2700.30
2700.30
  3769825.19 |       2700.30      2700.30      2700.30
2700.30      2700.30      2700.30      2700.30      2700.30
2700.30
  3769810.88 |       2700.30      2700.30      2700.30
2700.30      2700.30      2700.30      2700.30      2700.30
2700.30
  3769796.57 |       2700.30      2700.30      2700.30
2700.30      2700.30      2700.30      2700.30      2700.30
2700.30
  3769782.26 |       2700.30      2700.30      2700.30
2700.30      2700.30      2700.30      2700.30      2700.30
2700.30
  3769767.95 |       2700.30      2700.30      2700.30
2700.30      2700.30      2700.30      2700.30      2700.30
2700.30
  3769753.64 |       2700.30      2700.30      2700.30
2700.30      2700.30      2700.30      2700.30      2700.30
2700.30
  3769739.33 |       2700.30      2700.30      2700.30
2700.30      2700.30      2700.30      2700.30      2700.30
2700.30
```

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** NETWORK ID: UCART2 ;
NETWORK TYPE: GRIDCART ***

* HILL HEIGHT
SCALES IN METERS *

Y-COORD (METERS)	X-COORD (METERS)		
	458891.50	458907.58	458923.66
3770025.53	2700.30	2700.30	2700.30
3770011.22	2700.30	2700.30	2700.30
3769996.91	2700.30	2700.30	2700.30
3769982.60	2700.30	2700.30	2700.30
3769968.29	2700.30	2700.30	2700.30
3769953.98	2700.30	2700.30	2700.30
3769939.67	2700.30	2700.30	2700.30
3769925.36	2700.30	2700.30	2700.30
3769911.05	2700.30	2700.30	2700.30
3769896.74	2700.30	2700.30	2700.30
3769882.43	2700.30	2700.30	2700.30
3769868.12	2700.30	2700.30	2700.30
3769853.81	2700.30	2700.30	2700.30
3769839.50	2700.30	2700.30	2700.30
3769825.19	2700.30	2700.30	2700.30
3769810.88	2700.30	2700.30	2700.30
3769796.57	2700.30	2700.30	2700.30
3769782.26	2700.30	2700.30	2700.30
3769767.95	2700.30	2700.30	2700.30
3769753.64	2700.30	2700.30	2700.30
3769739.33	2700.30	2700.30	2700.30

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** DISCRETE
CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD,
ZELEV, ZHILL, ZFLAG)

(METERS)

(459368.2, 3770089.6, 342.3, 2700.3, 0.0);
(459116.1, 3770084.3, 341.3, 2700.3, 0.0);
(459165.4, 3770080.7, 342.2, 2700.3, 0.0);
(459199.9, 3770079.5, 342.0, 2700.3, 0.0);
(459174.3, 3770107.5, 342.3, 2700.3, 0.0);
(459079.2, 3770080.7, 341.3, 2700.3, 0.0);
(459056.0, 3770081.9, 341.2, 2700.3, 0.0);
(459023.3, 3770081.9, 341.5, 2700.3, 0.0);
(459023.9, 3770102.1, 341.6, 2700.3, 0.0);
(459078.6, 3770106.9, 341.4, 2700.3, 0.0);
(459065.5, 3770106.9, 341.4, 2700.3, 0.0);
(459138.7, 3770147.3, 342.3, 2700.3, 0.0);
(459140.5, 3770153.9, 342.3, 2700.3, 0.0);
(459140.5, 3770159.8, 342.4, 2700.3, 0.0);
(459116.1, 3770148.5, 342.1, 2700.3, 0.0);
(459117.3, 3770158.0, 342.3, 2700.3, 0.0);
(459117.8, 3770181.2, 343.5, 2700.3, 0.0);
(459238.6, 3770159.2, 342.7, 2700.3, 0.0);
(459232.0, 3770090.8, 341.9, 2700.3, 0.0);
(459289.1, 3770089.6, 342.6, 2700.3, 0.0);
(459315.9, 3770080.7, 342.5, 2700.3, 0.0);
(459315.3, 3770090.2, 342.6, 2700.3, 0.0);
(459340.9, 3770095.0, 342.6, 2700.3, 0.0);
(459342.0, 3770089.0, 342.5, 2700.3, 0.0);
(459362.9, 3770120.5, 342.5, 2700.3, 0.0);
(459363.5, 3770180.6, 343.6, 2700.3, 0.0);
(459365.8, 3770210.9, 343.9, 2700.3, 0.0);
(459366.4, 3770221.1, 344.0, 2700.3, 0.0);
(459365.8, 3770230.6, 344.0, 2700.3, 0.0);
(459340.3, 3770207.4, 343.9, 2700.3, 0.0);
(459340.9, 3770221.6, 343.9, 2700.3, 0.0);
(459342.0, 3770227.6, 343.9, 2700.3, 0.0);
(459310.5, 3770209.2, 343.6, 2700.3, 0.0);
(459310.5, 3770221.1, 343.7, 2700.3, 0.0);
(459311.7, 3770232.3, 343.7, 2700.3, 0.0);
(459283.2, 3770209.2, 343.6, 2700.3, 0.0);
(459286.1, 3770218.1, 343.6, 2700.3, 0.0);

```
( 459285.0, 3770229.4,     343.7,    2700.3,       0.0);
     ( 459260.6, 3770211.5,     343.5,    2700.3,       0.0);
( 459259.4, 3770219.3,     343.5,    2700.3,       0.0);
     ( 459258.8, 3770231.2,     343.6,    2700.3,       0.0);
( 459235.0, 3770213.3,     343.5,    2700.3,       0.0);
     ( 459236.2, 3770227.6,     343.6,    2700.3,       0.0);
( 459190.4, 3770212.7,     343.8,    2700.3,       0.0);
     ( 459189.8, 3770228.2,     343.9,    2700.3,       0.0);
( 459170.2, 3770213.9,     343.9,    2700.3,       0.0);
     ( 459168.4, 3770225.2,     343.9,    2700.3,       0.0);
( 459140.5, 3770210.3,     343.8,    2700.3,       0.0);
     ( 459140.5, 3770219.9,     343.9,    2700.3,       0.0);
( 459139.8, 3770230.6,     343.9,    2700.3,       0.0);
     ( 459114.9, 3770210.3,     343.9,    2700.3,       0.0);
( 459114.9, 3770219.9,     343.9,    2700.3,       0.0);
     ( 459114.3, 3770230.6,     343.9,    2700.3,       0.0);
( 459140.7, 3770108.2,     341.7,    2700.3,       0.0);
     ( 458925.3, 3769916.1,     338.6,    2700.3,       0.0);
( 458944.3, 3769917.7,     338.7,    2700.3,       0.0);
     ( 458926.4, 3769891.8,     338.4,    2700.3,       0.0);
( 458928.5, 3769869.4,     338.1,    2700.3,       0.0);
     ( 458923.5, 3769962.3,     339.1,    2700.3,       0.0);
( 458931.4, 3769952.5,     339.0,    2700.3,       0.0);
     ( 458932.7, 3769999.2,     340.1,    2700.3,       0.0);
( 458938.5, 3770020.9,     340.4,    2700.3,       0.0);
     ( 458930.9, 3770017.7,     340.3,    2700.3,       0.0);
( 458890.5, 3769955.2,     338.7,    2700.3,       0.0);
     ( 458894.5, 3770016.4,     340.1,    2700.3,       0.0);
( 458875.5, 3770015.9,     339.9,    2700.3,       0.0);
     ( 459425.7, 3770100.2,     342.2,    2700.3,       0.0);
( 459419.4, 3770132.5,     342.5,    2700.3,       0.0);
     ( 459418.0, 3770112.8,     342.3,    2700.3,       0.0);
( 459494.8, 3770101.9,     342.9,    2700.3,       0.0);
     ( 459470.3, 3770100.8,     342.8,    2700.3,       0.0);
( 459467.4, 3770121.4,     343.0,    2700.3,       0.0);
     ( 459494.0, 3770124.6,     343.1,    2700.3,       0.0);
( 459425.7, 3770169.4,     343.4,    2700.3,       0.0);
     ( 459449.5, 3770159.9,     343.4,    2700.3,       0.0);
( 459476.7, 3770162.0,     343.4,    2700.3,       0.0);
     ( 459478.2, 3770191.6,     343.7,    2700.3,       0.0);
( 459477.5, 3770215.6,     343.7,    2700.3,       0.0);
     ( 459450.0, 3770207.4,     343.7,    2700.3,       0.0);
( 459452.1, 3770219.5,     343.7,    2700.3,       0.0);
     ( 459424.1, 3770198.9,     343.8,    2700.3,       0.0);
( 459425.5, 3770212.9,     344.0,    2700.3,       0.0);
```

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** METEOROLOGICAL DAYS SELECTED FOR PROCESSING *** (1=YES; 0=NO)

```
            1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1
1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
            1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1
1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
            1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1
1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
            1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1
1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
            1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1
1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
            1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1
1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
            1 1 1 1 1 1 1 1 1 1   1 1 1 1 1
```

NOTE: METEOROLOGICAL DATA ACTUALLY PROCESSED WILL ALSO DEPEND ON WHAT IS INCLUDED IN THE DATA FILE.

*** UPPER BOUND OF FIRST THROUGH FIFTH WIND SPEED CATEGORIES ***

(METERS/SEC)

1.54, 3.09, 5.14, 8.23, 10.80,

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** UP TO THE FIRST 24 HOURS OF METEOROLOGICAL DATA ***

Surface file: ..\FONT_V9_ADJU\FONT_v9.SFC
Met Version: 16216
Profile file: ..\FONT_V9_ADJU\FONT_v9.PFL
Surface format: FREE
Profile format: FREE
Surface station no.: 3102 Upper air station no.: 3190
Name: UNKNOWN Name: UNKNOWN
Year: 2011 Year: 2011

First 24 hours of scalar data

YR	MO	DY	JDY	HR	H0	U*	W*	DT/DZ	ZICNV	ZIMCH	M-O LEN	Z0	BOWEN	ALBEDO	REF WS	WD	HT	REF TA	HT
11	01	01	1	01	-18.5	0.194	-9.000	-9.000	-999.	204.	41.2	0.25	2.82	1.00	1.80	69.	9.1	276.4	5.5
11	01	01	1	02	-23.8	0.239	-9.000	-9.000	-999.	281.	63.0	0.25	2.82	1.00	2.20	52.	9.1	275.4	5.5
11	01	01	1	03	-18.5	0.194	-9.000	-9.000	-999.	205.	41.2	0.25	2.82	1.00	1.80	32.	9.1	275.4	5.5
11	01	01	1	04	-1.4	0.067	-9.000	-9.000	-999.	57.	18.3	0.25	2.82	1.00	0.40	27.	9.1	274.2	5.5
11	01	01	1	05	-18.6	0.194	-9.000	-9.000	-999.	204.	41.2	0.25	2.82	1.00	1.80	51.	9.1	274.2	5.5
11	01	01	1	06	-29.7	0.296	-9.000	-9.000	-999.	387.	96.6	0.25	2.82	1.00	2.70	53.	9.1	274.2	5.5
11	01	01	1	07	-24.0	0.239	-9.000	-9.000	-999.	282.	63.0	0.25	2.82	1.00	2.20	70.	9.1	274.2	5.5
11	01	01	1	08	-8.4	0.138	-9.000	-9.000	-999.	127.	27.3	0.25	2.82	0.54	1.30	72.	9.1	275.4	5.5
11	01	01	1	09	44.3	0.280	0.571	0.005	147.	356.	-43.5	0.25	2.82	0.32	2.20	67.	9.1	277.5	5.5
11	01	01	1	10	122.7	0.264	0.952	0.005	247.	326.	-13.2	0.25	2.82	0.25	1.80	83.	9.1	279.9	5.5
11	01	01	1	11	179.8	0.316	1.733	0.005	1017.	426.	-15.4	0.25	2.82	0.22	2.20	58.	9.1	282.0	5.5
11	01	01	1	12	206.0	0.320	1.940	0.008	1244.	435.	-14.0	0.25	2.82	0.21	2.20	115.	9.1	283.1	5.5

```
 11 01 01   1 13  132.6  0.214  1.733  0.009 1377.  243.     -6.5
0.25   2.82   0.21    1.30  147.    9.1  284.2    5.5
 11 01 01   1 14  147.0  0.216  1.818  0.009 1431.  242.     -6.0
0.25   2.82   0.23    1.30  219.    9.1  284.9    5.5
 11 01 01   1 15  104.0  0.208  1.633  0.009 1468.  228.     -7.6
0.25   2.82   0.26    1.30  126.    9.1  285.4    5.5
 11 01 01   1 16   26.4  0.140  1.037  0.009 1477.  127.     -9.1
0.25   2.82   0.35    0.90  151.    9.1  284.9    5.5
 11 01 01   1 17   -9.0  0.137 -9.000 -9.000 -999.  121.     24.9
0.25   2.82   0.63    1.30   69.    9.1  283.1    5.5
 11 01 01   1 18  -33.4  0.342 -9.000 -9.000 -999.  481.    129.0
0.25   2.82   1.00    3.10   81.    9.1  281.4    5.5
 11 01 01   1 19  -33.6  0.342 -9.000 -9.000 -999.  481.    128.9
0.25   2.82   1.00    3.10   51.    9.1  279.9    5.5
 11 01 01   1 20  -23.6  0.239 -9.000 -9.000 -999.  287.     63.1
0.25   2.82   1.00    2.20   77.    9.1  278.8    5.5
 11 01 01   1 21  -18.5  0.194 -9.000 -9.000 -999.  205.     41.2
0.25   2.82   1.00    1.80   53.    9.1  277.5    5.5
 11 01 01   1 22  -23.7  0.239 -9.000 -9.000 -999.  281.     63.0
0.25   2.82   1.00    2.20   58.    9.1  277.5    5.5
 11 01 01   1 23  -18.5  0.194 -9.000 -9.000 -999.  205.     41.2
0.25   2.82   1.00    1.80   64.    9.1  277.5    5.5
 11 01 01   1 24   -4.5  0.094 -9.000 -9.000 -999.   74.     16.3
0.25   2.82   1.00    0.90   52.    9.1  277.0    5.5


 First hour of profile data
 YR MO DY HR HEIGHT F  WDIR    WSPD AMB_TMP sigmaA  sigmaW
sigmaV
 11 01 01 01    5.5 0 -999.  -99.00   276.5
99.0  -99.00  -99.00
 11 01 01 01    9.1 1   69.    1.80  -999.0
99.0  -99.00  -99.00

 F indicates top of profile (=1) or below (=0)
```

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S):
L0000001 , L0000002 , L0000003 , L0000004 , L0000005 ,
L0000006 , L0000007 , L0000008 , L0000009 , L0000010 , L0000011 , L0000012 , L0000013 ,
L0000014 , L0000015 , L0000016 , L0000017 , L0000018 , L0000019 , L0000020 , L0000021 ,
L0000022 , L0000023 , L0000024 , L0000025 , L0000026 , L0000027 , L0000028 , . . . ,

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS)								
	459502.66	459511.37	459520.08	459528.79	459537.50	459546.21	459554.92	459563.63	459572.34
3769436.66	3.52462	3.48063	3.43563	3.39146	3.34726	3.30308	3.25977	3.21576	3.17190
3769427.71	3.43697	3.39524	3.35336	3.31055	3.26854	3.22652	3.18454	3.14264	3.10085
3769418.76	3.35252	3.31375	3.27232	3.23163	3.19169	3.15251	3.11328	3.07334	3.03275
3769409.81	3.27113	3.23352	3.19493	3.15622	3.11822	3.08168	3.04430	3.00620	2.96747
3769400.86	3.19267	3.15614	3.11943	3.08259	3.04720	3.01242	2.97681	2.94047	

2.90349
  3769391.91 | 3.11699   3.08224   3.04730
3.01222   2.97852   2.94470   2.91147   2.87679
2.84147
  3769382.96 | 3.04398   3.01090   2.97763
2.94420   2.91210   2.87987   2.84819   2.81509
2.78133
  3769374.01 | 2.97352   2.94201   2.90957
2.87843   2.84714   2.81711   2.78690   2.75529
2.72302
  3769365.06 | 2.90548   2.87546   2.84452
2.81483   2.78498   2.75568   2.72689   2.69732
2.66646
  3769356.11 | 2.83977   2.81045   2.78162
2.75261   2.72481   2.69684   2.66936   2.64111
2.61097
  3769347.16 | 2.77561   2.74830   2.72079
2.69308   2.66589   2.63920   2.61361   2.58660
2.55774
  3769338.21 | 2.71427   2.68821   2.66126
2.63546   2.60883   2.58336   2.55895   2.53373
2.50608
  3769329.26 | 2.65431   2.62943   2.60432
2.57903   2.55421   2.52986   2.50654   2.48243
2.45593
  3769320.31 | 2.59633   2.57320   2.54920
2.52501   2.50128   2.47800   2.45572   2.43209
2.40724
  3769311.36 | 2.54088   2.51878   2.49521
2.47268   2.44998   2.42771   2.40640   2.38378
2.35996
  3769302.41 | 2.48722   2.46548   2.44352
2.42198   2.40024   2.37950   2.35855   2.33688
2.31456
  3769293.46 | 2.43528   2.41447   2.39345
2.37223   2.35201   2.33160   2.31211   2.29134
2.26941
  3769284.51 | 2.38439   2.36446   2.34433
2.32459   2.30523   2.28568   2.26649   2.24660
2.22606
  3769275.56 | 2.33509   2.31659   2.29730
2.27838   2.25928   2.24110   2.22219   2.20313
2.18342
  3769266.61 | 2.28791   2.27018   2.25169
2.23300   2.21524   2.19729   2.17917   2.16089
2.14198
  3769257.66 | 2.24162   2.22464   2.20745
2.18952   2.17249   2.15527   2.13789   2.11985
2.10218

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S):
L0000001 , L0000002 , L0000003 , L0000004 , L0000005 ,
L0000006 , L0000007 , L0000008 , L0000009 , L0000010 , L0000011 , L0000012 , L0000013 ,
L0000014 , L0000015 , L0000016 , L0000017 , L0000018 , L0000019 , L0000020 , L0000021 ,
L0000022 , L0000023 , L0000024 , L0000025 , L0000026 , L0000027 , L0000028 , . . . ,

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS)									
	459581.05	459589.76	459598.47	459607.18	459615.89	459624.60	459633.31	459642.02	459650.73
3769436.66	3.12824	3.08552	3.04234	2.99945	2.95689	2.91469	2.87348	2.83205	2.79104
3769427.71	3.05995	3.01849	2.97726	2.93695	2.89624	2.85585	2.81579	2.77668	2.73734
3769418.76	2.99303	2.95415	2.91542	2.87686	2.83790	2.79860	2.76022	2.72273	2.68555
3769409.81	2.92884	2.89172	2.85471	2.81846	2.78116	2.74350	2.70612	2.67018	2.63452
3769400.86	2.86659	2.83113	2.79575	2.76110	2.72596	2.68929	2.65345	2.61899	

```
2.58477
  3769391.91 |       2.80620      2.77232      2.73849
2.70535      2.67114      2.63654      2.60216      2.56911
2.53679
  3769382.96 |       2.74761      2.71522      2.68287
2.65116      2.61839      2.58521      2.55222      2.52051
2.48950
  3769374.01 |       2.69077      2.65979      2.62883
2.59792      2.56708      2.53525      2.50359      2.47316
2.44289
  3769365.06 |       2.63559      2.60536      2.57575
2.54672      2.51717      2.48663      2.45623      2.42702
2.39794
  3769356.11 |       2.58204      2.55309      2.52474
2.49694      2.46861      2.43877      2.41010      2.38206
2.35412
  3769347.16 |       2.53004      2.50232      2.47571
2.44853      2.42084      2.39270      2.36517      2.33824
2.31139
  3769338.21 |       2.47897      2.45299      2.42696
2.40144      2.37488      2.34785      2.32140      2.29553
2.26926
  3769329.26 |       2.42995      2.40505      2.38011
2.35564      2.33014      2.30418      2.27877      2.25342
2.22863
  3769320.31 |       2.38233      2.35847      2.33455
2.31109      2.28660      2.26164      2.23722      2.21285
2.18901
  3769311.36 |       2.33606      2.31319      2.29024
2.26773      2.24421      2.22022      2.19627      2.17376
2.15037
  3769302.41 |       2.29110      2.26916      2.24714
2.22554      2.20294      2.17987      2.15683      2.13519
2.11267
  3769293.46 |       2.24740      2.22584      2.20472
2.18401      2.16276      2.14057      2.11839      2.09714
2.07590
  3769284.51 |       2.20492      2.18422      2.16393
2.14405      2.12317      2.10182      2.08092      2.06047
2.04002
  3769275.56 |       2.16362      2.14373      2.12424
2.10468      2.08461      2.06451      2.04440      2.02428
2.00460
  3769266.61 |       2.12345      2.10434      2.08561
2.06636      2.04705      2.02771      2.00879      1.98941
1.97045
  3769257.66 |       2.08390      2.06600      2.04755
2.02948      2.01090      1.99228      1.97406      1.95539
1.93713
```

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S):
L0000001 , L0000002 , L0000003 , L0000004 , L0000005 ,
L0000006 , L0000007 , L0000008 , L0000009 , L0000010 , L0000011 , L0000012 , L0000013 ,
L0000014 , L0000015 , L0000016 , L0000017 , L0000018 , L0000019 , L0000020 , L0000021 ,
L0000022 , L0000023 , L0000024 , L0000025 , L0000026 , L0000027 , L0000028 , . . . ,

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS)		
	459659.44	459668.15	459676.86
3769436.66	2.75047	2.71091	2.67126
3769427.71	2.69896	2.66042	2.62232
3769418.76	2.64816	2.61114	2.57452
3769409.81	2.59914	2.56356	2.52783
3769400.86	2.55080	2.51661	2.48224
3769391.91	2.50365	2.47029	2.43723
3769382.96	2.45765	2.42557	2.39327
3769374.01	2.41230	2.38143	2.35082
3769365.06	2.36854	2.33884	2.30889
3769356.11	2.32584	2.29679	2.26842
3769347.16	2.28373	2.25622	2.22843
3769338.21	2.24310	2.21615	2.18983
3769329.26	2.20346	2.17750	2.15214
3769320.31	2.16433	2.13977	2.11488
3769311.36	2.12704	2.10293	2.07936
3769302.41	2.09021	2.06739	2.04467

3769293.46	2.05426	2.03268	2.01076
3769284.51	2.01917	1.99837	1.97723
3769275.56	1.98493	1.96447	1.94447
3769266.61	1.95109	1.93176	1.91246
3769257.66	1.91846	1.89981	1.88119

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S):
L0000001 , L0000002 , L0000003 , L0000004 , L0000005 ,
L0000006 , L0000007 , L0000008 , L0000009 , L0000010 , L0000011 , L0000012 , L0000013 ,
L0000014 , L0000015 , L0000016 , L0000017 , L0000018 , L0000019 , L0000020 , L0000021 ,
L0000022 , L0000023 , L0000024 , L0000025 , L0000026 , L0000027 , L0000028 , . . . ,

*** NETWORK ID: UCART2 ; NETWORK TYPE: GRIDCART ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS)					
	458602.06	458618.14	458634.22	458650.30	458666.38	458682.46	458698.54	458714.62	458730.70
3770025.53	2.50590	2.61155	2.72393	2.84424	2.97314	3.11182	3.26112	3.42207	3.59626
3770011.22	2.51896	2.62599	2.73997	2.86188	2.99273	3.13343	3.28504	3.44875	3.62579
3769996.91	2.53018	2.63791	2.75291	2.87619	3.00859	3.15107	3.30470	3.47073	3.65026
3769982.60	2.54008	2.64874	2.76478	2.88830	3.02198	3.16556	3.32085	3.48878	3.67123
3769968.29	2.54785	2.65755	2.77414	2.89852	3.03249	3.17717	3.33331	3.50321	

```
3.68748
  3769953.98 |       2.55402      2.66402      2.78154
2.90624      3.04096      3.18604      3.34364      3.51421
3.69985
  3769939.67 |       2.55799      2.66839      2.78633
2.91181      3.04662      3.19225      3.35053      3.52189
3.70786
  3769925.36 |       2.56036      2.67098      2.78915
2.91486      3.05038      3.19587      3.35558      3.52743
3.71454
  3769911.05 |       2.56049      2.67148      2.78969
2.91580      3.05093      3.19641      3.35618      3.52862
3.71524
  3769896.74 |       2.55905      2.66991      2.78794
2.91424      3.04917      3.19443      3.35392      3.52550
3.71050
  3769882.43 |       2.55574      2.66628      2.78431
2.90981      3.04469      3.18891      3.34780      3.51866
3.70279
  3769868.12 |       2.55022      2.66027      2.77773
2.90253      3.03708      3.18043      3.33839      3.50816
3.69167
  3769853.81 |       2.54288      2.65186      2.76813
2.89239      3.02590      3.16907      3.32523      3.49353
3.67532
  3769839.50 |       2.53414      2.64189      2.75676
2.88036      3.01262      3.15547      3.30836      3.47481
3.65513
  3769825.19 |       2.52331      2.62961      2.74330
2.86608      2.99739      3.13864      3.28908      3.45340
3.63267
  3769810.88 |       2.51081      2.61550      2.72832
2.85014      2.97984      3.11869      3.26759      3.43018
3.60608
  3769796.57 |       2.49673      2.60055      2.71146
2.83167      2.95953      3.09571      3.24343      3.40402
3.57693
  3769782.26 |       2.48156      2.58352      2.69282
2.81126      2.93710      3.07099      3.21675      3.37510
3.54473
  3769767.95 |       2.46453      2.56540      2.67350
2.78955      2.91269      3.04530      3.18774      3.34297
3.50840
  3769753.64 |       2.44659      2.54583      2.65212
2.76664      2.88754      3.01702      3.15717      3.30784
3.47014
  3769739.33 |       2.42694      2.52537      2.62976
2.74164      2.86013      2.98748      3.12398      3.26988
3.42817
```

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S):
L0000001 , L0000002 , L0000003 , L0000004 , L0000005 ,
L0000006 , L0000007 , L0000008 , L0000009 , L0000010 , L0000011 , L0000012 , L0000013 ,
L0000014 , L0000015 , L0000016 , L0000017 , L0000018 , L0000019 , L0000020 , L0000021 ,
L0000022 , L0000023 , L0000024 , L0000025 , L0000026 , L0000027 , L0000028 , . . . ,

*** NETWORK ID: UCART2 ; NETWORK TYPE: GRIDCART ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS)									
	458746.78	458762.86	458778.94	458795.02	458811.10	458827.18	458843.26	458859.34	458875.42
3770025.53	3.78504	3.99015	4.21348	4.45756	4.72498	5.01887	5.34308	5.70198	6.10081
3770011.22	3.81815	4.02696	4.25502	4.50432	4.77806	5.07940	5.41233	5.78157	6.19290
3769996.91	3.84555	4.05818	4.28998	4.54382	4.82314	5.13148	5.47225	5.85090	6.27374
3769982.60	3.86947	4.08465	4.32024	4.57801	4.86150	5.17500	5.52237	5.90949	6.34208
3769968.29	3.88833	4.10580	4.34416	4.60565	4.89289	5.21089	5.56364	5.95661	

```
6.39719
  3769953.98 |       3.90180      4.12153      4.36196
4.62588      4.91586      5.23724      5.59402      5.99271
6.43933
  3769939.67 |       3.91024      4.13109      4.37283
4.63829      4.93083      5.25442      5.61482      6.01588
6.46657
  3769925.36 |       3.91698      4.13922      4.38184
4.64834      4.94207      5.26706      5.62811      6.03102
6.48175
  3769911.05 |       3.91834      4.14002      4.38340
4.65001      4.94386      5.26899      5.63104      6.03415
6.48616
  3769896.74 |       3.91305      4.13410      4.37682
4.64337      4.93543      5.25937      5.62015      6.02359
6.47373
  3769882.43 |       3.90439      4.12432      4.36496
4.63078      4.92101      5.24279      5.59998      6.00041
6.44669
  3769868.12 |       3.89187      4.11017      4.34891
4.61084      4.89918      5.21775      5.57111      5.96472
6.40522
  3769853.81 |       3.87356      4.08960      4.32571
4.58456      4.86928      5.18252      5.53068      5.91806
6.34961
  3769839.50 |       3.85098      4.06503      4.29715
4.55131      4.83154      5.14052      5.48247      5.86242
6.28784
  3769825.19 |       3.82653      4.03673      4.26522
4.51325      4.78833      5.09237      5.42721      5.80124
6.21657
  3769810.88 |       3.79682      4.00340      4.22770
4.47084      4.73912      5.03636      5.36554      5.72882
6.13133
  3769796.57 |       3.76423      3.96532      4.18403
4.42251      4.68438      4.97642      5.29568      5.64724
6.03712
  3769782.26 |       3.72759      3.92432      4.13887
4.37064      4.62678      4.90859      5.21834      5.55858
5.93495
  3769767.95 |       3.68715      3.87914      4.08910
4.31465      4.56354      4.83685      5.13538      5.46369
5.82585
  3769753.64 |       3.64460      3.83245      4.03595
4.25397      4.49624      4.76063      5.04873      5.36603
5.71084
  3769739.33 |       3.59803      3.78061      3.97892
4.19198      4.42534      4.67941      4.95664      5.25987
5.59090
```

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S):
L0000001 , L0000002 , L0000003 , L0000004 , L0000005 ,
L0000006 , L0000007 , L0000008 , L0000009 , L0000010 , L0000011 , L0000012 , L0000013 ,
L0000014 , L0000015 , L0000016 , L0000017 , L0000018 , L0000019 , L0000020 , L0000021 ,
L0000022 , L0000023 , L0000024 , L0000025 , L0000026 , L0000027 , L0000028 , . . . ,

*** NETWORK ID: UCART2 ; NETWORK TYPE: GRIDCART ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS)		
	458891.50	458907.58	458923.66
3770025.53	6.54574	7.04485	7.60798
3770011.22	6.65291	7.17030	7.75529
3769996.91	6.74768	7.28172	7.88707
3769982.60	6.82789	7.37642	7.99938
3769968.29	6.89271	7.45261	8.09058
3769953.98	6.94047	7.51010	8.15844
3769939.67	6.97339	7.54794	8.20350
3769925.36	6.99103	7.56581	8.22779
3769911.05	6.99466	7.56696	8.23045
3769896.74	6.97985	7.54898	8.20894
3769882.43	6.94664	7.51068	8.16522
3769868.12	6.90067	7.45435	8.09860
3769853.81	6.83574	7.38099	8.00800
3769839.50	6.76013	7.29373	7.90230
3769825.19	6.67687	7.19388	7.77755
3769810.88	6.57909	7.07729	7.63978

3769796.57	6.46958	6.94914	7.49107
3769782.26	6.34951	6.81098	7.33109
3769767.95	6.22503	6.66625	7.16172
3769753.64	6.09246	6.51451	6.98478
3769739.33	5.95464	6.35535	6.80000

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S):
L0000001 , L0000002 , L0000003 , L0000004 , L0000005 ,
L0000006 , L0000007 , L0000008 , L0000009 , L0000010 , L0000011 , L0000012 , L0000013 ,
L0000014 , L0000015 , L0000016 , L0000017 , L0000018 , L0000019 , L0000020 , L0000021 ,
L0000022 , L0000023 , L0000024 , L0000025 , L0000026 , L0000027 , L0000028 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
459368.21	3770089.63	34.51453	459116.07	3770084.28	20.18303
459165.43	3770080.71	29.25249	459199.92	3770079.52	36.11709
459174.35	3770107.47	22.99626	459079.20	3770080.71	16.03035
459056.00	3770081.90	13.73404	459023.30	3770081.90	11.31103
459023.89	3770102.12	10.54365	459078.60	3770106.88	13.87559
459065.52	3770106.88	12.91260	459138.66	3770147.32	14.34458
459140.45	3770153.86	13.81732	459140.45	3770159.80	13.28251
459116.07	3770148.50	13.03501	459117.26	3770158.02	12.35310
459117.85	3770181.21	10.60553	459238.57	3770159.21	17.07011
459232.03	3770090.82	34.71570			

459289.12   3770089.63   38.37658
         459315.88   3770080.71   43.62089
459315.29   3770090.23   37.93194
         459340.86   3770094.98   34.46453
459342.05   3770089.04   37.27079
         459362.86   3770120.55   24.46368
459363.46   3770180.62   14.21031
         459365.83   3770210.95   11.34751
459366.43   3770221.06   10.58985
         459365.83   3770230.57   9.97934
459340.26   3770207.38   11.86474
         459340.86   3770221.65   10.75127
459342.05   3770227.60   10.34215
         459310.53   3770209.16   11.93121
459310.53   3770221.06   10.98267
         459311.72   3770232.35   10.20119
459283.17   3770209.16   11.90494
         459286.15   3770218.08   11.19531
459284.96   3770229.38   10.38542
         459260.57   3770211.54   11.59195
459259.39   3770219.27   10.99962
         459258.79   3770231.17   10.17515
459235.00   3770213.32   11.19668
         459236.19   3770227.60   10.22398
459190.40   3770212.73   10.43721
         459189.81   3770228.19   9.47508
459170.18   3770213.92   9.93520
         459168.40   3770225.22   9.25804
459140.45   3770210.35   9.50133
         459140.45   3770219.87   9.00462
459139.85   3770230.57   8.47808
         459114.88   3770210.35   8.86306
459114.88   3770219.87   8.41577
         459114.28   3770230.57   7.97269
459140.68   3770108.24   19.41137
         458925.33   3769916.13   8.30666
458944.33   3769917.71   9.22929
         458926.38   3769891.85   8.31618
458928.49   3769869.42   8.31388
         458923.48   3769962.31   8.11392
458931.39   3769952.54   8.50992
         458932.71   3769999.25   8.24172
458938.52   3770020.89   8.25207
         458930.87   3770017.72   7.97253
458890.49   3769955.18   6.90399
         458894.45   3770016.40   6.70479
458875.45   3770015.87   6.16490
         459425.70   3770100.23   23.89677
459419.36   3770132.47   18.73114
         459417.98   3770112.77   22.17996
459494.85   3770101.88   16.68085
         459470.33   3770100.78   18.97414

```
459467.43    3770121.44       16.93171
         459494.02    3770124.61       14.89741
459425.72    3770169.40       13.92619
         459449.47    3770159.90       14.00854
459476.66    3770162.01       12.82722
         459478.24    3770191.56       10.80364
459477.45    3770215.58        9.49469
         459450.00    3770207.40       10.42376
459452.11    3770219.54        9.69485
```

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S):
L0000001 , L0000002 , L0000003 , L0000004 , L0000005 ,
L0000006 , L0000007 , L0000008 , L0000009 , L0000010 , L0000011 , L0000012 , L0000013 ,
L0000014 , L0000015 , L0000016 , L0000017 , L0000018 , L0000019 , L0000020 , L0000021 ,
L0000022 , L0000023 , L0000024 , L0000025 , L0000026 , L0000027 , L0000028 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
459424.14	3770198.95	11.44137	459425.46	3770212.94	10.45210

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S):
L0000001 , L0000002 , L0000003 , L0000004 , L0000005 ,
L0000006 , L0000007 , L0000008 , L0000009 , L0000010 , L0000011 , L0000012 , L0000013 ,
L0000014 , L0000015 , L0000016 , L0000017 , L0000018 , L0000019 , L0000020 , L0000021 ,
L0000022 , L0000023 , L0000024 , L0000025 , L0000026 , L0000027 , L0000028 , . . . ,

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS)				
	459502.66	459511.37	459520.08	459528.79	459537.50
3769436.7	27.45395 (13041207)	26.43508 (13041207)	25.34812 (13041207)	24.20337 (13041207)	23.01261 (13041207)
3769427.7	27.08714 (13041207)	26.13102 (13041207)	25.10540 (13041207)	24.02079 (13041207)	22.88737 (13041207)
3769418.8	26.71366 (13041207)	25.81762 (13041207)	24.85225 (13041207)	23.82564 (13041207)	22.74804 (13041207)
3769409.8	26.33422 (13041207)	25.49675 (13041207)	24.58857 (13041207)	23.61821 (13041207)	22.59497 (13041207)
3769400.9	25.94946 (13041207)	25.16841 (13041207)	24.31576 (13041207)	23.39989 (13041207)	22.42926 (13041207)

```
 3769391.9 |     25.56003 (13041207)     24.83296 (13041207)
24.03400 (13041207)     23.17095 (13041207)     22.25172
(13041207)
 3769383.0 |     25.16650 (13041207)     24.49142 (13041207)
23.74428 (13041207)     22.93238 (13041207)     22.06310
(13041207)
 3769374.0 |     24.76945 (13041207)     24.14442 (13041207)
23.44758 (13041207)     22.68492 (13041207)     21.86443
(13041207)
 3769365.1 |     24.36942 (13041207)     23.79255 (13041207)
23.14398 (13041207)     22.42923 (13041207)     21.65585
(13041207)
 3769356.1 |     23.96694 (13041207)     23.43671 (13041207)
22.83438 (13041207)     22.16624 (13041207)     21.43829
(13041207)
 3769347.2 |     23.56285 (13041207)     23.07682 (13041207)
22.51937 (13041207)     21.89603 (13041207)     21.21266
(13041207)
 3769338.2 |     23.15693 (13041207)     22.71370 (13041207)
22.19977 (13041207)     21.61947 (13041207)     20.97929
(13041207)
 3769329.3 |     22.75032 (13041207)     22.34817 (13041207)
21.87560 (13041207)     21.33736 (13041207)     20.73854
(13041207)
 3769320.3 |     22.34310 (13041207)     21.98012 (13041207)
21.54763 (13041207)     21.04976 (13041207)     20.49122
(13041207)
 3769311.4 |     21.93544 (13041207)     21.61030 (13041207)
21.21663 (13041207)     20.75744 (13041207)     20.23787
(13041207)
 3769302.4 |     21.52805 (13041207)     21.23944 (13041207)
20.88256 (13041207)     20.46091 (13041207)     19.97901
(13041207)
 3769293.5 |     21.12132 (13041207)     20.86743 (13041207)
20.54615 (13041207)     20.16088 (13041207)     19.71515
(13041207)
 3769284.5 |     20.71591 (13041207)     20.49521 (13041207)
20.20806 (13041207)     19.85737 (13041207)     19.44677
(13041207)
 3769275.6 |     20.31188 (13041207)     20.12267 (13041207)
19.86827 (13041207)     19.55105 (13041207)     19.17458
(13041207)
 3769266.6 |     19.90937 (13041207)     19.75045 (13041207)
19.52741 (13041207)     19.24257 (13041207)     18.89856
(13041207)
 3769257.7 |     19.50919 (13041207)     19.37915 (13041207)
19.18589 (13041207)     18.93193 (13041207)     18.61938
(13041207)
```

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S):
L0000001 , L0000002 , L0000003 , L0000004 , L0000005 ,
L0000006 , L0000007 , L0000008 , L0000009 , L0000010 , L0000011 , L0000012 , L0000013 ,
L0000014 , L0000015 , L0000016 , L0000017 , L0000018 , L0000019 , L0000020 , L0000021 ,
L0000022 , L0000023 , L0000024 , L0000025 , L0000026 , L0000027 , L0000028 , . . . ,

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS)				
	459546.21	459554.92	459563.63	459572.34	459581.05
3769436.7	21.78763 (13041207)	20.53997 (13041207)	19.28191 (13041207)	18.02440 (13041207)	16.77811 (13041207)
3769427.7	21.71657 (13041207)	20.51969 (13041207)	19.30793 (13041207)	18.09215 (13041207)	16.88249 (13041207)
3769418.8	21.63001 (13041207)	20.48253 (13041207)	19.31665 (13041207)	18.14284 (13041207)	16.97062 (13041207)
3769409.8	21.52848 (13041207)	20.42983 (13041207)	19.30933 (13041207)	18.17707 (13041207)	17.04245 (13041207)
3769400.9	21.41344 (13041207)	20.36275 (13041207)	19.28705 (13041207)	18.19603 (13041207)	17.09878 (13041207)

```
 3769391.9 |     21.28569 (13041207)     20.28171 (13041207)
19.25018 (13041207)     18.20006 (13041207)     17.14013
(13041207)
 3769383.0 |     21.14533 (13041207)     20.18744 (13041207)
19.19940 (13041207)     18.18978 (13041207)     17.16703
(13041207)
 3769374.0 |     20.99343 (13041207)     20.08065 (13041207)
19.13537 (13041207)     18.16578 (13041207)     17.18000
(13041207)
 3769365.1 |     20.83098 (13041207)     19.96237 (13041207)
19.05874 (13041207)     18.12866 (13041207)     17.17958
(13041207)
 3769356.1 |     20.65804 (13041207)     19.83254 (13041207)
18.97012 (13041207)     18.07931 (13041207)     17.16628
(13041207)
 3769347.2 |     20.47584 (13041207)     19.69216 (13041207)
18.87014 (13041207)     18.01768 (13041207)     17.14062
(13041207)
 3769338.2 |     20.28470 (13041207)     19.54215 (13041207)
18.75937 (13041207)     17.94462 (13041207)     17.10340
(13041207)
 3769329.3 |     20.08496 (13041207)     19.38245 (13041207)
18.63838 (13041207)     17.86069 (13041207)     17.05454
(13041207)
 3769320.3 |     19.87746 (13041207)     19.21396 (13041207)
18.50809 (13041207)     17.76641 (13041207)     16.99482
(13041207)
 3769311.4 |     19.66275 (13041207)     19.03722 (13041207)
18.36833 (13041207)     17.66229 (13041207)     16.92473
(13041207)
 3769302.4 |     19.44109 (13041207)     18.85278 (13041207)
18.21997 (13041207)     17.54853 (13041207)     16.84474
(13041207)
 3769293.5 |     19.21382 (13041207)     18.66114 (13041207)
18.06352 (13041207)     17.42657 (13041207)     16.75532
(13041207)
 3769284.5 |     18.98060 (13041207)     18.46311 (13041207)
17.89980 (13041207)     17.29592 (13041207)     16.65693
(13041207)
 3769275.6 |     18.74220 (13041207)     18.25886 (13041207)
17.72894 (13041207)     17.15770 (13041207)     16.55000
(13041207)
 3769266.6 |     18.49933 (13041207)     18.04883 (13041207)
17.55141 (13041207)     17.01201 (13041207)     16.43499
(13041207)
 3769257.7 |     18.25193 (13041207)     17.83325 (13041207)
17.36767 (13041207)     16.85905 (13041207)     16.31259
(13041207)
```

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S):
L0000001 , L0000002 , L0000003 , L0000004 , L0000005 ,
L0000006 , L0000007 , L0000008 , L0000009 , L0000010 , L0000011 , L0000012 , L0000013 ,
L0000014 , L0000015 , L0000016 , L0000017 , L0000018 , L0000019 , L0000020 , L0000021 ,
L0000022 , L0000023 , L0000024 , L0000025 , L0000026 , L0000027 , L0000028 , . . . ,

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS)				
	459589.76	459598.47	459607.18	459615.89	459624.60
3769436.7	15.55261 (13041207)	14.75584 (15013017)	14.59556 (15013017)	14.38941 (15013017)	14.13952 (15013017)
3769427.7	15.68919 (13041207)	14.52083 (13041207)	14.33844 (15013017)	14.16936 (15013017)	13.95674 (15013017)
3769418.8	15.80953 (13041207)	14.66863 (13041207)	14.06911 (15013017)	13.93533 (15013017)	13.75724 (15013017)
3769409.8	15.91429 (13041207)	14.80181 (13041207)	13.85381 (11090506)	13.68747 (15013017)	13.54358 (15013017)
3769400.9	16.00387 (13041207)	14.92039 (13041207)	13.85589 (13041207)	13.47511 (11090506)	13.31479 (15013017)

```
 3769391.9 |     16.07869 (13041207)     15.02468 (13041207)
13.98558 (13041207)     13.28075 (11090506)     13.08939
(11090506)
 3769383.0 |     16.13918 (13041207)     15.11502 (13041207)
14.10190 (13041207)     13.10780 (13041207)     12.91506
(11090506)
 3769374.0 |     16.18580 (13041207)     15.19175 (13041207)
14.20541 (13041207)     13.23377 (13041207)     12.73844
(11090506)
 3769365.1 |     16.21927 (13041207)     15.25553 (13041207)
14.29576 (13041207)     13.34748 (13041207)     12.55991
(11090506)
 3769356.1 |     16.23947 (13041207)     15.30615 (13041207)
14.37355 (13041207)     13.44911 (13041207)     12.53969
(13041207)
 3769347.2 |     16.24713 (13041207)     15.34397 (13041207)
14.43908 (13041207)     13.53920 (13041207)     12.65053
(13041207)
 3769338.2 |     16.24272 (13041207)     15.37028 (13041207)
14.49266 (13041207)     13.61737 (13041207)     12.75024
(13041207)
 3769329.3 |     16.22668 (13041207)     15.38458 (13041207)
14.53462 (13041207)     13.68418 (13041207)     12.83901
(13041207)
 3769320.3 |     16.19946 (13041207)     15.38755 (13041207)
14.56528 (13041207)     13.73990 (13041207)     12.91704
(13041207)
 3769311.4 |     16.16150 (13041207)     15.37958 (13041207)
14.58499 (13041207)     13.78479 (13041207)     12.98453
(13041207)
 3769302.4 |     16.11324 (13041207)     15.36108 (13041207)
14.59408 (13041207)     13.81915 (13041207)     13.04170
(13041207)
 3769293.5 |     16.05539 (13041207)     15.33272 (13041207)
14.59321 (13041207)     13.84326 (13041207)     13.08879
(13041207)
 3769284.5 |     15.98781 (13041207)     15.29431 (13041207)
14.58210 (13041207)     13.85772 (13041207)     13.12632
(13041207)
 3769275.6 |     15.91122 (13041207)     15.24652 (13041207)
14.56171 (13041207)     13.86251 (13041207)     13.15398
(13041207)
 3769266.6 |     15.82601 (13041207)     15.18975 (13041207)
14.53206 (13041207)     13.85794 (13041207)     13.17257
(13041207)
 3769257.7 |     15.73259 (13041207)     15.12463 (13041207)
14.49323 (13041207)     13.84405 (13041207)     13.18183
(13041207)
```

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S):
L0000001 , L0000002 , L0000003 , L0000004 , L0000005 ,
L0000006 , L0000007 , L0000008 , L0000009 , L0000010 , L0000011 , L0000012 , L0000013 ,
L0000014 , L0000015 , L0000016 , L0000017 , L0000018 , L0000019 , L0000020 , L0000021 ,
L0000022 , L0000023 , L0000024 , L0000025 , L0000026 , L0000027 , L0000028 , . . . ,

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS)				
	459633.31	459642.02	459650.73	459659.44	459668.15
3769436.7	13.95466 (11032319)	13.86043 (12030320)	13.75240 (12030320)	13.63118 (12030320)	13.50484 (12030320)
3769427.7	13.71041 (11032319)	13.59008 (12030320)	13.49760 (12030320)	13.39923 (12030320)	13.28095 (12030320)
3769418.8	13.53909 (15013017)	13.35332 (11032319)	13.24828 (12030320)	13.15729 (12030320)	13.05381 (12030320)
3769409.8	13.35871 (15013017)	13.13699 (15013017)	13.01086 (11032319)	12.92033 (12030320)	12.83085 (12030320)
3769400.9	13.16298 (15013017)	12.97440 (15013017)	12.79808 (11032319)	12.68226 (11032319)	12.59888 (12030320)

```
 3769391.9 |     12.95318 (15013017)     12.79647 (15013017)
12.60364 (15013017)     12.48079 (11032319)     12.35882
(12030320)
 3769383.0 |     12.73060 (15013017)     12.60444 (15013017)
12.44233 (15013017)     12.27745 (11032319)     12.16251
(11032319)
 3769374.0 |     12.56377 (11090506)     12.39950 (15013017)
12.26596 (15013017)     12.09631 (15013017)     11.96320
(11032319)
 3769365.1 |     12.39857 (11090506)     12.23994 (11090506)
12.07760 (15013017)     11.93654 (15013017)     11.76912
(11032319)
 3769356.1 |     12.23129 (11090506)     12.08516 (11090506)
11.92812 (11090506)     11.76379 (15013017)     11.61509
(15013017)
 3769347.2 |     12.06228 (11090506)     11.92818 (11090506)
11.78309 (11090506)     11.61526 (11090506)     11.45703
(15013017)
 3769338.2 |     11.89643 (13041207)     11.76932 (11090506)
11.62942 (11090506)     11.47952 (11090506)     11.30801
(11090506)
 3769329.3 |     12.00422 (13041207)     11.60248 (11090506)
11.48018 (11090506)     11.34137 (11090506)     11.18102
(11090506)
 3769320.3 |     12.10175 (13041207)     11.44088 (11090506)
11.32923 (11090506)     11.19505 (11090506)     11.05157
(11090506)
 3769311.4 |     12.18942 (13041207)     11.40390 (13041207)
11.17685 (11090506)     11.05908 (11090506)     10.91995
(11090506)
 3769302.4 |     12.26687 (13041207)     11.49906 (13041207)
11.02332 (11090506)     10.91548 (11090506)     10.79227
(11090506)
 3769293.5 |     12.33454 (13041207)     11.58511 (13041207)
10.86887 (11090506)     10.77058 (11090506)     10.66270
(11090506)
 3769284.5 |     12.39262 (13041207)     11.66166 (13041207)
10.93839 (13041207)     10.62463 (11090506)     10.52593
(11090506)
 3769275.6 |     12.44129 (13041207)     11.72937 (13041207)
11.02262 (13041207)     10.47785 (11090506)     10.38246
(11090506)
 3769266.6 |     12.48077 (13041207)     11.78789 (13041207)
11.09801 (13041207)     10.41590 (13041207)     10.24364
(11090506)
 3769257.7 |     12.51127 (13041207)     11.83763 (13041207)
11.16493 (13041207)     10.49791 (13041207)     10.10408
(11090506)
```

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S):
L0000001 , L0000002 , L0000003 , L0000004 , L0000005 ,
L0000006 , L0000007 , L0000008 , L0000009 , L0000010 , L0000011 , L0000012 , L0000013 ,
L0000014 , L0000015 , L0000016 , L0000017 , L0000018 , L0000019 , L0000020 , L0000021 ,
L0000022 , L0000023 , L0000024 , L0000025 , L0000026 , L0000027 , L0000028 , . . . ,

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS) 459676.86
3769436.7	13.35945 (12030320)
3769427.7	13.15093 (12030320)
3769418.8	12.93853 (12030320)
3769409.8	12.72284 (12030320)
3769400.9	12.50446 (12030320)
3769391.9	12.27736 (12030320)
3769383.0	12.04878 (12030320)
3769374.0	11.85023 (11032319)
3769365.1	11.66114 (11032319)
3769356.1	11.47710 (11032319)
3769347.2	11.30323 (15013017)
3769338.2	11.15897 (15013017)
3769329.3	11.01833 (11090506)
3769320.3	10.89342 (11090506)
3769311.4	10.77805 (11090506)
3769302.4	10.66022 (11090506)

```
3769293.5 |     10.54018 (11090506)
3769284.5 |     10.41265 (11090506)
3769275.6 |     10.28362 (11090506)
3769266.6 |     10.15331 (11090506)
3769257.7 |     10.02192 (11090506)
```

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S):
L0000001 , L0000002 , L0000003 , L0000004 , L0000005 ,
L0000006 , L0000007 , L0000008 , L0000009 , L0000010 , L0000011 , L0000012 , L0000013 ,
L0000014 , L0000015 , L0000016 , L0000017 , L0000018 , L0000019 , L0000020 , L0000021 ,
L0000022 , L0000023 , L0000024 , L0000025 , L0000026 , L0000027 , L0000028 , . . . ,

*** NETWORK ID: UCART2 ; NETWORK TYPE: GRIDCART ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS)				
	458602.06	458618.14	458634.22	458650.30	458666.38
3770025.5	12.85384 (15013123)	13.29337 (15013123)	13.74897 (15013123)	14.23030 (15013123)	14.73692 (15013123)
3770011.2	12.92005 (15013123)	13.37376 (15013123)	13.84656 (15013123)	14.34400 (15013123)	14.87117 (15013123)
3769996.9	12.92720 (15013123)	13.38419 (15013123)	13.86420 (15013123)	14.37299 (15013123)	14.91303 (15013123)
3769982.6	12.96260 (12020620)	13.41838 (12020620)	13.89730 (12020620)	14.39245 (12020620)	14.93170 (12020620)
3769968.3	12.93797 (12020620)	13.40222 (12020620)	13.88214 (12020620)	14.38221 (12020620)	14.91765 (12020620)

3769954.0 | 12.99437 (11012601) 13.45095 (11012601) 13.93084 (11012601) 14.42118 (11012601) 14.95146 (11012601)
3769939.7 | 13.01719 (11012601) 13.47680 (11012601) 13.95981 (11012601) 14.45788 (11012601) 14.98607 (11012601)
3769925.4 | 12.98434 (11012601) 13.44297 (11012601) 13.92485 (11012601) 14.42143 (11012601) 14.95397 (11012601)
3769911.0 | 13.05539 (16092603) 13.52587 (16092603) 14.01541 (16092603) 14.52518 (16092603) 15.06075 (16092603)
3769896.7 | 13.11405 (16092603) 13.58382 (16092603) 14.07214 (16092603) 14.58542 (16092603) 15.11927 (16092603)
3769882.4 | 13.11176 (16092603) 13.57664 (16092603) 14.06417 (16092603) 14.56589 (16092603) 15.09801 (16092603)
3769868.1 | 13.04399 (16092603) 13.49992 (16092603) 13.97730 (16092603) 14.46712 (16092603) 14.99195 (16092603)
3769853.8 | 12.93288 (13112717) 13.38690 (13112717) 13.86168 (13112717) 14.35851 (13112717) 14.88490 (13112717)
3769839.5 | 12.87875 (13112717) 13.31565 (13112717) 13.77119 (13112717) 14.25855 (13112717) 14.76782 (13112717)
3769825.2 | 12.76218 (13112717) 13.19598 (13112719) 13.65726 (13112719) 14.15698 (13112719) 14.67887 (13112719)
3769810.9 | 12.70832 (13112719) 13.12532 (13112719) 13.58102 (11050122) 14.07875 (11050122) 14.59769 (13112718)
3769796.6 | 12.64036 (13112718) 13.06487 (13112718) 13.51077 (13112718) 13.99953 (13112718) 14.50082 (13112718)
3769782.3 | 12.56656 (13112718) 12.96714 (13112718) 13.39266 (13112718) 13.85896 (13112718) 14.35642 (11011621)
3769767.9 | 12.44287 (11011621) 12.86156 (11011621) 13.30623 (11011621) 13.77893 (11011621) 14.26069 (11011621)
3769753.6 | 12.38237 (11011621) 12.78147 (11011621) 13.20423 (11011621) 13.65899 (11011621) 14.11380 (11011621)
3769739.3 | 12.26581 (11011621) 12.65451 (11011621) 13.05283 (11011621) 13.50193 (15031403) 13.97194 (15031403)

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE
CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S):
L0000001 , L0000002 , L0000003 , L0000004 ,
L0000005 ,
L0000006 , L0000007 , L0000008 ,
L0000009 , L0000010 , L0000011 , L0000012 ,
L0000013 ,
L0000014 , L0000015 , L0000016 ,
L0000017 , L0000018 , L0000019 , L0000020 ,
L0000021 ,
L0000022 , L0000023 , L0000024 ,
L0000025 , L0000026 , L0000027 ,
L0000028 , . . . ,

*** NETWORK ID: UCART2 ;
NETWORK TYPE: GRIDCART ***

** CONC OF PM_10 IN
MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS)				
	458682.46	458698.54	458714.62	458730.70	458746.78
3770025.5	15.27608 (15013123)	15.84778 (15013123)	16.45221 (15013123)	17.09835 (12031805)	17.79645 (12031805)
3770011.2	15.43057 (15013123)	16.02500 (15013123)	16.65760 (15013123)	17.32903 (15013123)	18.05183 (15013123)
3769996.9	15.48707 (15013123)	16.09816 (15013123)	16.74975 (15013123)	17.44118 (15013123)	18.18571 (15013123)
3769982.6	15.50048 (12020620)	16.11177 (12020620)	16.76435 (12020620)	17.46787 (12020620)	18.22517 (15013123)
3769968.3	15.49275 (12020620)	16.10592 (12020620)	16.77382 (12020620)	17.48898 (12020620)	18.26259 (12020620)

```
 3769954.0 |     15.51543 (11012601)     16.12967 (11012601)
16.78641 (11012601)     17.49717 (11012601)     18.26020
(11012601)
 3769939.7 |     15.55358 (11012601)     16.17238 (11012601)
16.83419 (11012601)     17.54335 (11012601)     18.30480
(11012601)
 3769925.4 |     15.51391 (11012601)     16.14485 (11012601)
16.80575 (11012601)     17.52343 (16092603)     18.28518
(16092603)
 3769911.0 |     15.62951 (16092603)     16.27046 (16092603)
16.94889 (16092603)     17.66858 (16092603)     18.44124
(16092603)
 3769896.7 |     15.68583 (16092603)     16.32384 (16092603)
16.99157 (16092603)     17.69085 (16092603)     18.45665
(16092603)
 3769882.4 |     15.64981 (16092603)     16.27824 (16092603)
16.93480 (16092603)     17.62112 (16092603)     18.37221
(16092603)
 3769868.1 |     15.52935 (16092603)     16.14188 (16092603)
16.78042 (16092603)     17.46636 (13112717)     18.21752
(13112717)
 3769853.8 |     15.43636 (13112717)     16.04389 (13112717)
16.68330 (13112717)     17.35685 (13112717)     18.08450
(13112717)
 3769839.5 |     15.31398 (13112717)     15.88011 (13112719)
16.52340 (13112719)     17.20849 (13112719)     17.93914
(13112719)
 3769825.2 |     15.23124 (13112719)     15.79357 (13112719)
16.42187 (11050122)     17.11238 (13112718)     17.84893
(13112718)
 3769810.9 |     15.14283 (13112718)     15.71109 (13112718)
16.33660 (13112718)     16.99985 (13112718)     17.70383
(13112718)
 3769796.6 |     15.01429 (13112718)     15.57044 (13112718)
16.17371 (13112718)     16.84301 (11011621)     17.55679
(11011621)
 3769782.3 |     14.88092 (11011621)     15.45626 (11011621)
16.07898 (11011621)     16.71930 (11011621)     17.38640
(11011621)
 3769767.9 |     14.77296 (11011621)     15.31034 (11011621)
15.89865 (11011621)     16.49189 (11011621)     17.15915
(15031403)
 3769753.6 |     14.58837 (11011621)     15.13437 (15031403)
15.72066 (15031403)     16.33556 (15031403)     16.97177
(15031403)
 3769739.3 |     14.46926 (15031403)     14.98821 (15031403)
15.52146 (15031403)     16.09416 (15031403)     16.72096
(15100820)
```

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S):
L0000001 , L0000002 , L0000003 , L0000004 , L0000005 ,
L0000006 , L0000007 , L0000008 , L0000009 , L0000010 , L0000011 , L0000012 , L0000013 ,
L0000014 , L0000015 , L0000016 , L0000017 , L0000018 , L0000019 , L0000020 , L0000021 ,
L0000022 , L0000023 , L0000024 , L0000025 , L0000026 , L0000027 , L0000028 , . . . ,

*** NETWORK ID: UCART2 ; NETWORK TYPE: GRIDCART ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS)				
	458762.86	458778.94	458795.02	458811.10	458827.18
3770025.5	18.55345 (11111301)	19.39585 (11111301)	20.30189 (11111301)	21.27510 (11111301)	22.39890 (12021516)
3770011.2	18.81594 (15013123)	19.64114 (15013123)	20.52378 (15013123)	21.47724 (15013123)	22.50801 (12031805)
3769996.9	18.98386 (15013123)	19.83597 (15013123)	20.75296 (15013123)	21.74841 (15013123)	22.83129 (15013123)
3769982.6	19.03661 (15013123)	19.91572 (15013123)	20.85744 (15013123)	21.87518 (15013123)	22.98591 (15013123)
3769968.3	19.07403 (12020620)	19.95513 (12020620)	20.90661 (12020620)	21.92857 (12020620)	23.04631 (12020620)

```
 3769954.0 |     19.07341 (11012601)     19.95019 (11012601)
20.89783 (11012601)     21.91521 (11012601)     23.03041
(11012601)
 3769939.7 |     19.12417 (11012601)     20.00788 (11012601)
20.96333 (11012601)     21.99904 (11012601)     23.12491
(11012601)
 3769925.4 |     19.12137 (16092603)     20.01514 (16092603)
20.98182 (16092603)     22.03008 (16092603)     23.16997
(16092603)
 3769911.0 |     19.27250 (16092603)     20.17762 (16092603)
21.14698 (16092603)     22.19737 (16092603)     23.33864
(16092603)
 3769896.7 |     19.27972 (16092603)     20.17572 (16092603)
21.14326 (16092603)     22.16989 (16092603)     23.29449
(16092603)
 3769882.4 |     19.17835 (16092603)     20.04534 (16092603)
20.99992 (16092603)     22.00026 (16092603)     23.09437
(16092603)
 3769868.1 |     19.02289 (13112717)     19.88806 (13112717)
20.81935 (13112717)     21.82399 (13112717)     22.91020
(13112717)
 3769853.8 |     18.86291 (13112717)     19.69711 (13112717)
20.60637 (13112719)     21.60920 (13112719)     22.67878
(13112719)
 3769839.5 |     18.72922 (13112719)     19.55497 (11050122)
20.45271 (11050122)     21.44173 (13112718)     22.50885
(13112718)
 3769825.2 |     18.62497 (13112718)     19.44308 (13112718)
20.29364 (13112718)     21.23793 (13112718)     22.26329
(13112718)
 3769810.9 |     18.44254 (13112718)     19.22990 (11011621)
20.08595 (11011621)     21.02123 (11011621)     22.04711
(11011621)
 3769796.6 |     18.28560 (11011621)     19.05666 (11011621)
19.87285 (11011621)     20.75033 (11011621)     21.73644
(11011621)
 3769782.3 |     18.07157 (11011621)     18.80346 (11011621)
19.60983 (15031403)     20.50657 (15031403)     21.47060
(15031403)
 3769767.9 |     17.85495 (15031403)     18.60695 (15031403)
19.36551 (15031403)     20.19824 (15031403)     21.17718
(15100820)
 3769753.6 |     17.62918 (15031403)     18.31713 (15031403)
19.14126 (15100820)     20.08198 (15100820)     21.25357
(11092608)
 3769739.3 |     17.46476 (15100820)     18.25464 (15100820)
19.06028 (15100820)     20.52425 (11092608)     23.27045
(11092608)
```

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S):
L0000001 , L0000002 , L0000003 , L0000004 , L0000005 ,
L0000006 , L0000007 , L0000008 , L0000009 , L0000010 , L0000011 , L0000012 , L0000013 ,
L0000014 , L0000015 , L0000016 , L0000017 , L0000018 , L0000019 , L0000020 , L0000021 ,
L0000022 , L0000023 , L0000024 , L0000025 , L0000026 , L0000027 , L0000028 , . . . ,

*** NETWORK ID: UCART2 ; NETWORK TYPE: GRIDCART ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS)				
	458843.26	458859.34	458875.42	458891.50	458907.58
3770025.5	23.80874 (12021516)	25.28487 (12021516)	26.96690 (12021516)	28.80560 (12021516)	30.74041 (12021516)
3770011.2	23.63392 (12031805)	24.91031 (11111301)	26.34392 (12021516)	28.26977 (12021516)	30.31130 (12021516)
3769996.9	23.99910 (15013123)	25.26923 (15013123)	26.66082 (15013123)	28.18275 (15013123)	29.84896 (15013123)
3769982.6	24.19332 (15013123)	25.51805 (15013123)	26.96629 (15013123)	28.55507 (15013123)	30.30455 (15013123)
3769968.3	24.26323 (12020620)	25.59228 (12020620)	27.05874 (12020620)	28.67105 (12020620)	30.45395 (15013123)

```
 3769954.0 |     24.24585 (11012601)     25.59414 (12020620)
27.08123 (12020620)     28.69537 (12020620)     30.50500
(12020620)
 3769939.7 |     24.36454 (11012601)     25.70812 (11012601)
27.19612 (11012601)     28.82186 (11012601)     30.62043
(11012601)
 3769925.4 |     24.41317 (16092603)     25.77339 (16092603)
27.25360 (16092603)     28.89838 (16092603)     30.68522
(16092603)
 3769911.0 |     24.59305 (16092603)     25.95294 (16092603)
27.44424 (16092603)     29.07249 (16092603)     30.82055
(16092603)
 3769896.7 |     24.53018 (16092603)     25.89063 (16092603)
27.35503 (16092603)     28.95025 (16092603)     30.65726
(16092603)
 3769882.4 |     24.28242 (16092603)     25.61477 (13112717)
27.06567 (13112717)     28.62620 (13112717)     30.31950
(13112717)
 3769868.1 |     24.08750 (13112717)     25.36681 (13112717)
26.76087 (13112717)     28.32726 (13112719)     29.98021
(13112719)
 3769853.8 |     23.84818 (13112719)     25.12245 (11050122)
26.51338 (13112718)     28.05705 (13112718)     29.70413
(13112718)
 3769839.5 |     23.65944 (13112718)     24.90253 (13112718)
26.26471 (13112718)     27.69049 (13112718)     29.33618
(11011621)
 3769825.2 |     23.38813 (11011621)     24.65684 (11011621)
26.01128 (11011621)     27.42560 (11011621)     28.95200
(11011621)
 3769810.9 |     23.15956 (11011621)     24.33784 (11011621)
25.59696 (15031403)     27.01506 (15031403)     28.57519
(11092608)
 3769796.6 |     22.83497 (15031403)     23.99588 (15031403)
25.23652 (15031403)     27.41570 (11092608)     31.80187
(11092608)
 3769782.3 |     22.49383 (15031403)     23.59119 (15100820)
26.30942 (11092608)     30.29105 (11092608)     34.73346
(11092608)
 3769767.9 |     22.28558 (15100820)     25.25229 (11092608)
28.87194 (11092608)     32.87644 (11092608)     37.27182
(11092608)
 3769753.6 |     24.23912 (11092608)     27.53644 (11092608)
31.15748 (11092608)     35.09527 (11092608)     39.34145
(11092608)
 3769739.3 |     26.28193 (11092608)     29.55931 (11092608)
33.09821 (11092608)     36.88324 (11092608)     40.89123
(11092608)
```

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S):
L0000001 , L0000002 , L0000003 , L0000004 , L0000005 ,
L0000006 , L0000007 , L0000008 , L0000009 , L0000010 , L0000011 , L0000012 , L0000013 ,
L0000014 , L0000015 , L0000016 , L0000017 , L0000018 , L0000019 , L0000020 , L0000021 ,
L0000022 , L0000023 , L0000024 , L0000025 , L0000026 , L0000027 , L0000028 , . . . ,

*** NETWORK ID: UCART2 ; NETWORK TYPE: GRIDCART ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS)
458923.66	
3770025.5	32.76046 (12021516)
3770011.2	32.54812 (12021516)
3769996.9	31.69424 (12031805)
3769982.6	32.23309 (15013123)
3769968.3	32.44791 (15013123)
3769954.0	32.50149 (12020620)
3769939.7	32.61909 (11012601)
3769925.4	32.74096 (16092603)
3769911.0	32.88050 (16092603)
3769896.7	32.66925 (16092603)
3769882.4	32.32353 (13112717)
3769868.1	31.96070 (13112719)
3769853.8	31.59593 (13112718)
3769839.5	31.17862 (11011621)
3769825.2	30.63239 (15031403)
3769810.9	33.41387 (11092608)

```
3769796.6 |     36.73933 (11092608)
3769782.3 |     39.64928 (11092608)
3769767.9 |     42.04989 (11092608)
3769753.6 |     43.87419 (11092608)
3769739.3 |     45.08698 (11092608)
```

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S):
L0000001 , L0000002 , L0000003 , L0000004 , L0000005 ,
L0000006 , L0000007 , L0000008 , L0000009 , L0000010 , L0000011 , L0000012 , L0000013 ,
L0000014 , L0000015 , L0000016 , L0000017 , L0000018 , L0000019 , L0000020 , L0000021 ,
L0000022 , L0000023 , L0000024 , L0000025 , L0000026 , L0000027 , L0000028 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
459368.21	3770089.63	98.82515	(16060806)
459116.07	3770084.28	94.66075	(15063019)
459165.43	3770080.71	145.65586	(15063019)
459199.92	3770079.52	148.73800	(15063019)
459174.35	3770107.47	116.54842	(15063019)
459079.20	3770080.71	74.32459	(11061207)
459056.00	3770081.90	61.88481	(11061207)
459023.30	3770081.90	54.32660	(15090407)
459023.89	3770102.12	48.16866	(13111516)
459078.60	3770106.88	65.92253	(11061207)
459065.52	3770106.88	61.59020	(11061207)
459138.66	3770147.32	84.76457	(15063019)
459140.45	3770153.86	82.14847	(15063019)
459140.45	3770159.80	79.58580	(15063019)
459116.07	3770148.50	76.98245	(15063019)
459117.26	3770158.02	74.67431	(15063019)
459117.85	3770181.21	68.80187	(15063019)
459238.57	3770159.21	66.07160	(15063019)

459232.03 3770090.82 127.38991 (15063019)
459289.12 3770089.63 111.62966 (16082607)
459315.88 3770080.71 119.04993 (16082607)
459315.29 3770090.23 108.23914 (16082607)
459340.86 3770094.98 98.80468 (16082607)
459342.05 3770089.04 104.27658 (16082607)
459362.86 3770120.55 73.69275 (16082607)
459363.46 3770180.62 52.23919 (16101607)
459365.83 3770210.95 47.13526 (16101607)
459366.43 3770221.06 45.81523 (11090505)
459365.83 3770230.57 44.20749 (11090505)
459340.26 3770207.38 48.42128 (12090923)
459340.86 3770221.65 46.14059 (12090923)
459342.05 3770227.60 45.00044 (12090923)
459310.53 3770209.16 48.93916 (16082607)
459310.53 3770221.06 46.03445 (16082607)
459311.72 3770232.35 43.50472 (16082607)
459283.17 3770209.16 48.07808 (16082607)
459286.15 3770218.08 45.95834 (16082607)
459284.96 3770229.38 44.02269 (15101020)
459260.57 3770211.54 46.75672 (15101020)
459259.39 3770219.27 45.25375 (15101020)
459258.79 3770231.17 43.33683 (15101020)
459235.00 3770213.32 45.46357 (11120920)
459236.19 3770227.60 42.95131 (11120920)
459190.40 3770212.73 54.67618 (15063019)
459189.81 3770228.19 49.44910 (15063019)
459170.18 3770213.92 57.85299 (15063019)
459168.40 3770225.22 54.27356 (15063019)
459140.45 3770210.35 61.60463 (15063019)
459140.45 3770219.87 58.61941 (15063019)
459139.85 3770230.57 55.46566 (15063019)
459114.88 3770210.35 60.44093 (15063019)
459114.88 3770219.87 58.04098 (15063019)
459114.28 3770230.57 55.35800 (15063019)
459140.68 3770108.24 105.64597 (15063019)
458925.33 3769916.13 33.10023 (16092603)
458944.33 3769917.71 35.81854 (16092603)
458926.38 3769891.85 32.87169 (16092603)
458928.49 3769869.42 32.59551 (13112719)
458923.48 3769962.31 32.46552 (12020620)
458931.39 3769952.54 33.54268 (12020620)
458932.71 3769999.25 33.14726 (12021516)
458938.52 3770020.89 34.97359 (12021516)
458930.87 3770017.72 33.79155 (12021516)
458890.49 3769955.18 28.59971 (12020620)
458894.45 3770016.40 28.87067 (12021516)
458875.45 3770015.87 26.61669 (12021516)
459425.70 3770100.23 83.20616 (16050618)
459419.36 3770132.47 64.33534 (16050618)
459417.98 3770112.77 76.16770 (16050618)
459494.85 3770101.88 64.47537 (11060807)

```
        459470.33   3770100.78       72.97892  (11091107)
459467.43   3770121.44       66.42373  (11091107)
        459494.02   3770124.61       60.58076  (11091107)
459425.72   3770169.40       47.30696  (13060120)
        459449.47   3770159.90       53.03335  (16050618)
459476.66   3770162.01       51.36129  (16050618)
        459478.24   3770191.56       43.12811  (16050618)
459477.45   3770215.58       36.78682  (11051119)
        459450.00   3770207.40       40.48863  (13060120)
459452.11   3770219.54       38.69329  (13060120)
```

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE
CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S):
L0000001 , L0000002 , L0000003 , L0000004 ,
L0000005 ,
L0000006 , L0000007 , L0000008 ,
L0000009 , L0000010 , L0000011 , L0000012 ,
L0000013 ,
L0000014 , L0000015 , L0000016 ,
L0000017 , L0000018 , L0000019 , L0000020 ,
L0000021 ,
L0000022 , L0000023 , L0000024 ,
L0000025 , L0000026 , L0000027 ,
L0000028 , . . . ,

*** DISCRETE
CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN
MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
459424.14	3770198.95	44.98203	(12081120)
459425.46	3770212.94	43.47568	(12081120)

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE SUMMARY OF
MAXIMUM PERIOD (43848 HRS) RESULTS ***

** CONC OF PM_10 IN
MICROGRAMS/M**3 **

NETWORK GROUP ID	AVERAGE CONC	RECEPTOR (XR, YR, ZELEV, ZHILL, ZFLAG)	OF TYPE	GRID-ID
ALL	1ST HIGHEST VALUE IS	43.62089 AT (459315.88, 3770080.71, 342.51, 2700.32, 0.00)	DC	
	2ND HIGHEST VALUE IS	38.37658 AT (459289.12, 3770089.63, 342.61, 2700.32, 0.00)	DC	
	3RD HIGHEST VALUE IS	37.93194 AT (459315.29, 3770090.23, 342.59, 2700.32, 0.00)	DC	
	4TH HIGHEST VALUE IS	37.27079 AT (459342.05, 3770089.04, 342.53, 2700.32, 0.00)	DC	
	5TH HIGHEST VALUE IS	36.11709 AT (459199.92, 3770079.52, 342.04, 2700.32, 0.00)	DC	
	6TH HIGHEST VALUE IS	34.71570 AT (459232.03, 3770090.82, 341.94, 2700.32, 0.00)	DC	
	7TH HIGHEST VALUE IS	34.51453 AT (459368.21, 3770089.63, 342.33, 2700.32, 0.00)	DC	
	8TH HIGHEST VALUE IS	34.46453 AT (459340.86, 3770094.98, 342.55, 2700.32, 0.00)	DC	
	9TH HIGHEST VALUE IS	29.25249 AT (459165.43, 3770080.71, 342.22, 2700.32, 0.00)	DC	
	10TH HIGHEST VALUE IS	24.46368 AT (459362.86, 3770120.55, 342.49, 2700.32, 0.00)	DC	

*** RECEPTOR TYPES: GC = GRIDCART
GP = GRIDPOLR
DC = DISCCART
DP = DISCPOLR

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE SUMMARY
OF HIGHEST 1-HR RESULTS ***

** CONC OF PM_10 IN
MICROGRAMS/M**3 **

NETWORK GROUP ID	AVERAGE CONC	DATE (YYMMDDHH)	RECEPTOR (XR, YR, ZELEV, ZHILL, ZFLAG)	OF TYPE	GRID-ID
ALL	HIGH 1ST HIGH VALUE IS	148.73800	ON 15063019:	AT	
			(459199.92, 3770079.52, 342.04, 2700.32, 0.00)	DC	

*** RECEPTOR TYPES: GC = GRIDCART
GP = GRIDPOLR
DC = DISCCART
DP = DISCPOLR

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** Message Summary : AERMOD Model Execution ***

--------- Summary of Total Messages --------

A Total of 0 Fatal Error Message(s)
A Total of 7 Warning Message(s)
A Total of 838 Informational Message(s)

A Total of 43848 Hours Were Processed

A Total of 40 Calm Hours Identified

A Total of 798 Missing Hours Identified (1.82
Percent)

******** FATAL ERROR MESSAGES ********
*** NONE ***

******** WARNING MESSAGES ********
ME W186 1190 MEOPEN: THRESH_1MIN 1-min ASOS wind speed
threshold used 0.50
ME W187 1190 MEOPEN: ADJ_U* Option for Stable Low Winds
used in AERMET
MX W438 8800 METQA: Convective Velocity Data Out-of-
Range. KURDAT = 12010216
MX W438 11536 METQA: Convective Velocity Data Out-of-
Range. KURDAT = 12042516
MX W420 16779 METQA: Wind Speed Out-of-Range. KURDAT
= 12113003
MX W450 26305 CHKDAT: Record Out of Sequence in
Meteorological File at: 15010101
MX W450 26305 CHKDAT: Record Out of Sequence in
Meteorological File at: 1 year gap

****
*** AERMOD Finishes Successfully ***
****

**HARP - Air Dispersion Modeling and Risk Tool v22118
**11/28/2022
**Exported Risk Results

REC	GRP	NETID	X	Y	RISK_SUM	SCENARIO	INHAL_RISK	SOIL_RISK	DERMAL_R	MMILK_RI	WATER_RI	FISH_RISK	CROP_RISK	BEEF_RISK	DAIRY_RIS	PIG_RISK	CHICKEN_I	EGG_RISK
21	ALL	UCART2	479723.4	3774427	6.92E-06	70YrCancerRMP_InhSoilDermMMilkCrops_FAH16to70	6.92E-06	0	0	0	0	0	0	0	0	0	0	0
20	ALL	UCART2	479704.8	3774427	7.04E-06	70YrCancerRMP_InhSoilDermMMilkCrops_FAH16to70	7.04E-06	0	0	0	0	0	0	0	0	0	0	0
19	ALL	UCART2	479686.3	3774427	7.14E-06	70YrCancerRMP_InhSoilDermMMilkCrops_FAH16to70	7.14E-06	0	0	0	0	0	0	0	0	0	0	0
18	ALL	UCART2	479667.7	3774427	7.25E-06	70YrCancerRMP_InhSoilDermMMilkCrops_FAH16to70	7.25E-06	0	0	0	0	0	0	0	0	0	0	0
17	ALL	UCART2	479649.1	3774427	7.37E-06	70YrCancerRMP_InhSoilDermMMilkCrops_FAH16to70	7.37E-06	0	0	0	0	0	0	0	0	0	0	0
42	ALL	UCART2	479723.4	3774447	7.42E-06	70YrCancerRMP_InhSoilDermMMilkCrops_FAH16to70	7.42E-06	0	0	0	0	0	0	0	0	0	0	0
16	ALL	UCART2	479630.5	3774427	7.49E-06	70YrCancerRMP_InhSoilDermMMilkCrops_FAH16to70	7.49E-06	0	0	0	0	0	0	0	0	0	0	0
41	ALL	UCART2	479704.8	3774447	7.55E-06	70YrCancerRMP_InhSoilDermMMilkCrops_FAH16to70	7.55E-06	0	0	0	0	0	0	0	0	0	0	0
15	ALL	UCART2	479611.9	3774427	7.62E-06	70YrCancerRMP_InhSoilDermMMilkCrops_FAH16to70	7.62E-06	0	0	0	0	0	0	0	0	0	0	0
40	ALL	UCART2	479686.3	3774447	7.68E-06	70YrCancerRMP_InhSoilDermMMilkCrops_FAH16to70	7.68E-06	0	0	0	0	0	0	0	0	0	0	0
14	ALL	UCART2	479593.3	3774427	7.74E-06	70YrCancerRMP_InhSoilDermMMilkCrops_FAH16to70	7.74E-06	0	0	0	0	0	0	0	0	0	0	0
39	ALL	UCART2	479667.7	3774447	7.81E-06	70YrCancerRMP_InhSoilDermMMilkCrops_FAH16to70	7.81E-06	0	0	0	0	0	0	0	0	0	0	0
13	ALL	UCART2	479574.7	3774427	7.87E-06	70YrCancerRMP_InhSoilDermMMilkCrops_FAH16to70	7.87E-06	0	0	0	0	0	0	0	0	0	0	0
63	ALL	UCART2	479723.4	3774466	7.87E-06	70YrCancerRMP_InhSoilDermMMilkCrops_FAH16to70	7.87E-06	0	0	0	0	0	0	0	0	0	0	0
38	ALL	UCART2	479649.1	3774447	7.94E-06	70YrCancerRMP_InhSoilDermMMilkCrops_FAH16to70	7.94E-06	0	0	0	0	0	0	0	0	0	0	0
12	ALL	UCART2	479556.1	3774427	8.00E-06	70YrCancerRMP_InhSoilDermMMilkCrops_FAH16to70	8.00E-06	0	0	0	0	0	0	0	0	0	0	0
62	ALL	UCART2	479704.8	3774466	8.03E-06	70YrCancerRMP_InhSoilDermMMilkCrops_FAH16to70	8.03E-06	0	0	0	0	0	0	0	0	0	0	0
37	ALL	UCART2	479630.5	3774447	8.09E-06	70YrCancerRMP_InhSoilDermMMilkCrops_FAH16to70	8.09E-06	0	0	0	0	0	0	0	0	0	0	0
11	ALL	UCART2	479537.5	3774427	8.12E-06	70YrCancerRMP_InhSoilDermMMilkCrops_FAH16to70	8.12E-06	0	0	0	0	0	0	0	0	0	0	0
61	ALL	UCART2	479686.3	3774466	8.20E-06	70YrCancerRMP_InhSoilDermMMilkCrops_FAH16to70	8.20E-06	0	0	0	0	0	0	0	0	0	0	0
36	ALL	UCART2	479611.9	3774447	8.23E-06	70YrCancerRMP_InhSoilDermMMilkCrops_FAH16to70	8.23E-06	0	0	0	0	0	0	0	0	0	0	0
10	ALL	UCART2	479518.9	3774427	8.24E-06	70YrCancerRMP_InhSoilDermMMilkCrops_FAH16to70	8.24E-06	0	0	0	0	0	0	0	0	0	0	0
9	ALL	UCART2	479500.4	3774427	8.30E-06	70YrCancerRMP_InhSoilDermMMilkCrops_FAH16to70	8.30E-06	0	0	0	0	0	0	0	0	0	0	0
84	ALL	UCART2	479723.4	3774485	8.32E-06	70YrCancerRMP_InhSoilDermMMilkCrops_FAH16to70	8.32E-06	0	0	0	0	0	0	0	0	0	0	0
441	ALL	UCART2	479723.4	3774812	8.34E-06	70YrCancerRMP_InhSoilDermMMilkCrops_FAH16to70	8.34E-06	0	0	0	0	0	0	0	0	0	0	0
60	ALL	UCART2	479667.7	3774466	8.36E-06	70YrCancerRMP_InhSoilDermMMilkCrops_FAH16to70	8.36E-06	0	0	0	0	0	0	0	0	0	0	0
35	ALL	UCART2	479593.3	3774447	8.39E-06	70YrCancerRMP_InhSoilDermMMilkCrops_FAH16to70	8.39E-06	0	0	0	0	0	0	0	0	0	0	0
8	ALL	UCART2	479481.8	3774427	8.41E-06	70YrCancerRMP_InhSoilDermMMilkCrops_FAH16to70	8.41E-06	0	0	0	0	0	0	0	0	0	0	0
7	ALL	UCART2	479463.2	3774427	8.50E-06	70YrCancerRMP_InhSoilDermMMilkCrops_FAH16to70	8.50E-06	0	0	0	0	0	0	0	0	0	0	0
83	ALL	UCART2	479704.8	3774485	8.50E-06	70YrCancerRMP_InhSoilDermMMilkCrops_FAH16to70	8.50E-06	0	0	0	0	0	0	0	0	0	0	0
59	ALL	UCART2	479649.1	3774466	8.52E-06	70YrCancerRMP_InhSoilDermMMilkCrops_FAH16to70	8.52E-06	0	0	0	0	0	0	0	0	0	0	0
34	ALL	UCART2	479574.7	3774447	8.55E-06	70YrCancerRMP_InhSoilDermMMilkCrops_FAH16to70	8.55E-06	0	0	0	0	0	0	0	0	0	0	0
440	ALL	UCART2	479704.8	3774812	8.59E-06	70YrCancerRMP_InhSoilDermMMilkCrops_FAH16to70	8.59E-06	0	0	0	0	0	0	0	0	0	0	0
6	ALL	UCART2	479444.6	3774427	8.61E-06	70YrCancerRMP_InhSoilDermMMilkCrops_FAH16to70	8.61E-06	0	0	0	0	0	0	0	0	0	0	0
82	ALL	UCART2	479686.3	3774485	8.69E-06	70YrCancerRMP_InhSoilDermMMilkCrops_FAH16to70	8.69E-06	0	0	0	0	0	0	0	0	0	0	0
33	ALL	UCART2	479556.1	3774447	8.69E-06	70YrCancerRMP_InhSoilDermMMilkCrops_FAH16to70	8.69E-06	0	0	0	0	0	0	0	0	0	0	0
58	ALL	UCART2	479630.5	3774466	8.71E-06	70YrCancerRMP_InhSoilDermMMilkCrops_FAH16to70	8.71E-06	0	0	0	0	0	0	0	0	0	0	0
5	ALL	UCART2	479426	3774427	8.77E-06	70YrCancerRMP_InhSoilDermMMilkCrops_FAH16to70	8.77E-06	0	0	0	0	0	0	0	0	0	0	0
105	ALL	UCART2	479723.4	3774504	8.79E-06	70YrCancerRMP_InhSoilDermMMilkCrops_FAH16to70	8.79E-06	0	0	0	0	0	0	0	0	0	0	0
439	ALL	UCART2	479686.3	3774812	8.83E-06	70YrCancerRMP_InhSoilDermMMilkCrops_FAH16to70	8.83E-06	0	0	0	0	0	0	0	0	0	0	0
32	ALL	UCART2	479537.5	3774447	8.84E-06	70YrCancerRMP_InhSoilDermMMilkCrops_FAH16to70	8.84E-06	0	0	0	0	0	0	0	0	0	0	0
420	ALL	UCART2	479723.4	3774793	8.87E-06	70YrCancerRMP_InhSoilDermMMilkCrops_FAH16to70	8.87E-06	0	0	0	0	0	0	0	0	0	0	0
57	ALL	UCART2	479611.9	3774466	8.88E-06	70YrCancerRMP_InhSoilDermMMilkCrops_FAH16to70	8.88E-06	0	0	0	0	0	0	0	0	0	0	0
81	ALL	UCART2	479667.7	3774485	8.91E-06	70YrCancerRMP_InhSoilDermMMilkCrops_FAH16to70	8.91E-06	0	0	0	0	0	0	0	0	0	0	0
4	ALL	UCART2	479407.4	3774427	8.97E-06	70YrCancerRMP_InhSoilDermMMilkCrops_FAH16to70	8.97E-06	0	0	0	0	0	0	0	0	0	0	0
104	ALL	UCART2	479704.8	3774504	9.00E-06	70YrCancerRMP_InhSoilDermMMilkCrops_FAH16to70	9.00E-06	0	0	0	0	0	0	0	0	0	0	0
31	ALL	UCART2	479518.9	3774447	9.00E-06	70YrCancerRMP_InhSoilDermMMilkCrops_FAH16to70	9.00E-06	0	0	0	0	0	0	0	0	0	0	0
56	ALL	UCART2	479593.3	3774466	9.05E-06	70YrCancerRMP_InhSoilDermMMilkCrops_FAH16to70	9.05E-06	0	0	0	0	0	0	0	0	0	0	0
30	ALL	UCART2	479500.4	3774447	9.07E-06	70YrCancerRMP_InhSoilDermMMilkCrops_FAH16to70	9.07E-06	0	0	0	0	0	0	0	0	0	0	0
29	ALL	UCART2	479481.8	3774447	9.09E-06	70YrCancerRMP_InhSoilDermMMilkCrops_FAH16to70	9.09E-06	0	0	0	0	0	0	0	0	0	0	0
438	ALL	UCART2	479667.7	3774812	9.10E-06	70YrCancerRMP_InhSoilDermMMilkCrops_FAH16to70	9.10E-06	0	0	0	0	0	0	0	0	0	0	0
80	ALL	UCART2	479649.1	3774485	9.11E-06	70YrCancerRMP_InhSoilDermMMilkCrops_FAH16to70	9.11E-06	0	0	0	0	0	0	0	0	0	0	0
419	ALL	UCART2	479704.8	3774793	9.14E-06	70YrCancerRMP_InhSoilDermMMilkCrops_FAH16to70	9.14E-06	0	0	0	0	0	0	0	0	0	0	0
103	ALL	UCART2	479686.3	3774504	9.20E-06	70YrCancerRMP_InhSoilDermMMilkCrops_FAH16to70	9.20E-06	0	0	0	0	0	0	0	0	0	0	0
126	ALL	UCART2	479723.4	3774524	9.24E-06	70YrCancerRMP_InhSoilDermMMilkCrops_FAH16to70	9.24E-06	0	0	0	0	0	0	0	0	0	0	0
55	ALL	UCART2	479574.7	3774466	9.24E-06	70YrCancerRMP_InhSoilDermMMilkCrops_FAH16to70	9.24E-06	0	0	0	0	0	0	0	0	0	0	0
3	ALL	UCART2	479388.8	3774427	9.24E-06	70YrCancerRMP_InhSoilDermMMilkCrops_FAH16to70	9.24E-06	0	0	0	0	0	0	0	0	0	0	0
28	ALL	UCART2	479463.2	3774447	9.25E-06	70YrCancerRMP_InhSoilDermMMilkCrops_FAH16to70	9.25E-06	0	0	0	0	0	0	0	0	0	0	0
79	ALL	UCART2	479630.5	3774485	9.32E-06	70YrCancerRMP_InhSoilDermMMilkCrops_FAH16to70	9.32E-06	0	0	0	0	0	0	0	0	0	0	0
399	ALL	UCART2	479723.4	3774774	9.34E-06	70YrCancerRMP_InhSoilDermMMilkCrops_FAH16to70	9.34E-06	0	0	0	0	0	0	0	0	0	0	0
437	ALL	UCART2	479649.1	3774812	9.37E-06	70YrCancerRMP_InhSoilDermMMilkCrops_FAH16to70	9.37E-06	0	0	0	0	0	0	0	0	0	0	0
54	ALL	UCART2	479556.1	3774466	9.42E-06	70YrCancerRMP_InhSoilDermMMilkCrops_FAH16to70	9.42E-06	0	0	0	0	0	0	0	0	0	0	0
418	ALL	UCART2	479686.3	3774793	9.42E-06	70YrCancerRMP_InhSoilDermMMilkCrops_FAH16to70	9.42E-06	0	0	0	0	0	0	0	0	0	0	0
27	ALL	UCART2	479444.6	3774447	9.43E-06	70YrCancerRMP_InhSoilDermMMilkCrops_FAH16to70	9.43E-06	0	0	0	0	0	0	0	0	0	0	0
102	ALL	UCART2	479667.7	3774504	9.44E-06	70YrCancerRMP_InhSoilDermMMilkCrops_FAH16to70	9.44E-06	0	0	0	0	0	0	0	0	0	0	0
125	ALL	UCART2	479704.8	3774524	9.45E-06	70YrCancerRMP_InhSoilDermMMilkCrops_FAH16to70	9.45E-06	0	0	0	0	0	0	0	0	0	0	0
2	ALL	UCART2	479370.2	3774427	9.53E-06	70YrCancerRMP_InhSoilDermMMilkCrops_FAH16to70	9.53E-06	0	0	0	0	0	0	0	0	0	0	0
26	ALL	UCART2	479426	3774447	9.54E-06	70YrCancerRMP_InhSoilDermMMilkCrops_FAH16to70	9.54E-06	0	0	0	0	0	0	0	0	0	0	0
78	ALL	UCART2	479611.9	3774485	9.55E-06	70YrCancerRMP_InhSoilDermMMilkCrops_FAH16to70	9.55E-06	0	0	0	0	0	0	0	0	0	0	0
53	ALL	UCART2	479537.5	3774466	9.61E-06	70YrCancerRMP_InhSoilDermMMilkCrops_FAH16to70	9.61E-06	0	0	0	0	0	0	0	0	0	0	0
398	ALL	UCART2	479704.8	3774774	9.62E-06	70YrCancerRMP_InhSoilDermMMilkCrops_FAH16to70	9.62E-06	0	0	0	0	0	0	0	0	0	0	0
436	ALL	UCART2	479630.5	3774812	9.67E-06	70YrCancerRMP_InhSoilDermMMilkCrops_FAH16to70	9.67E-06	0	0	0	0	0	0	0	0	0	0	0
101	ALL	UCART2	479649.1	3774504	9.68E-06	70YrCancerRMP_InhSoilDermMMilkCrops_FAH16to70	9.68E-06	0	0	0	0	0	0	0	0	0	0	0
147	ALL	UCART2	479723.4	3774543	9.68E-06	70YrCancerRMP_InhSoilDermMMilkCrops_FAH16to70	9.68E-06	0	0	0	0	0	0	0	0	0	0	0
124	ALL	UCART2	479686.3	3774524	9.70E-06	70YrCancerRMP_InhSoilDermMMilkCrops_FAH16to70	9.70E-06	0	0	0	0	0	0	0	0	0	0	0
417	ALL	UCART2	479667.7	3774793	9.71E-06	70YrCancerRMP_InhSoilDermMMilkCrops_FAH16to70	9.71E-06	0	0	0	0	0	0	0	0	0	0	0
25	ALL	UCART2	479407.4	3774447	9.74E-06	70YrCancerRMP_InhSoilDermMMilkCrops_FAH16to70	9.74E-06	0	0	0	0	0	0	0	0	0	0	0
77	ALL	UCART2	479593.3	3774485	9.75E-06	70YrCancerRMP_InhSoilDermMMilkCrops_FAH16to70	9.75E-06	0	0	0	0	0	0	0	0	0	0	0
52	ALL	UCART2	479518.9	3774466	9.78E-06	70YrCancerRMP_InhSoilDermMMilkCrops_FAH16to70	9.78E-06	0	0	0	0	0	0	0	0	0	0	0
378	ALL	UCART2	479723.4	3774754	9.81E-06	70YrCancerRMP_InhSoilDermMMilkCrops_FAH16to70	9.81E-06	0	0	0	0	0	0	0	0	0	0	0
50	ALL	UCART2	479481.8	3774466	9.82E-06	70YrCancerRMP_InhSoilDermMMilkCrops_FAH16to70	9.82E-06	0	0	0	0	0	0	0	0	0	0	0
51	ALL	UCART2	479500.4	3774466	9.84E-06	70YrCancerRMP_InhSoilDermMMilkCrops_FAH16to70	9.84E-06	0	0	0	0	0	0	0	0	0	0	0
1	ALL	UCART2	479351.6	3774427	9.84E-06	70YrCancerRMP_InhSoilDermMMilkCrops_FAH16to70	9.84E-06	0	0	0	0	0	0	0	0	0	0	0
49	ALL	UCART2	479463.2	3774466	9.89E-06	70YrCancerRMP_InhSoilDermMMilkCrops_FAH16to70	9.89E-06	0	0	0	0	0	0	0	0	0	0	0
100	ALL	UCART2	479630.5	3774504	9.92E-06	70YrCancerRMP_InhSoilDermMMilkCrops_FAH16to70	9.92E-06	0	0	0	0	0	0	0	0	0	0	0
146	ALL	UCART2	479704.8	3774543	9.92E-06	70YrCancerRMP_InhSoilDermMMilkCrops_FAH16to70	9.92E-06	0	0	0	0	0	0	0	0	0	0	0
397	ALL	UCART2	479686.3	3774774	9.93E-06	70YrCancerRMP_InhSoilDermMMilkCrops_FAH16to70	9.93E-06	0	0	0	0	0	0	0	0	0	0	0
123	ALL	UCART2	479667.7	3774524	9.95E-06	70YrCancerRMP_InhSoilDermMMilkCrops_FAH16to70	9.95E-06	0	0	0	0	0	0	0	0	0	0	0
24	ALL	UCART2	479388.8	3774447	9.97E-06	70YrCancerRMP_InhSoilDermMMilkCrops_FAH16to70	9.97E-06	0	0	0	0	0	0	0	0	0	0	0
435	ALL	UCART2	479611.9	3774812	9.97E-06	70YrCancerRMP_InhSoilDermMMilkCrops_FAH16to70	9.97E-06	0	0	0	0	0	0	0	0	0	0	0
76	ALL	UCART2	479574.7	3774485	9.98E-06	70YrCancerRMP_InhSoilDermMMilkCrops_FAH16to70	9.98E-06	0	0	0	0	0	0	0	0	0	0	0
416	ALL	UCART2	479649.1	3774793	1.00E-05	70YrCancerRMP_InhSoilDermMMilkCrops_FAH16to70	1.00E-05	0	0	0	0	0	0	0	0	0	0	0
168	ALL	UCART2	479723.4	3774562	1.01E-05	70YrCancerRMP_InhSoilDermMMilkCrops_FAH16to70	1.01E-05	0	0	0	0	0	0	0	0	0	0	0
48	ALL	UCART2	479444.6	3774466	1.01E-05	70YrCancerRMP_InhSoilDermMMilkCrops_FAH16to70	1.01E-05	0	0	0	0	0	0	0	0	0	0	0
377	ALL	UCART2	479704.8	3774754	1.01E-05	70YrCancerRMP_InhSoilDermMMilkCrops_FAH16to70	1.01E-05	0	0	0	0	0	0	0	0	0	0	0
47	ALL	UCART2	479426	3774466	1.02E-05	70YrCancerRMP_InhSoilDermMMilkCrops_FAH16to70	1.02E-05	0	0	0	0	0	0	0	0	0	0	0
99	ALL	UCART2	479611.9	3774504	1.02E-05	70YrCancerRMP_InhSoilDermMMilkCrops_FAH16to70	1.02E-05	0	0	0	0	0	0	0	0	0	0	0
75	ALL	UCART2	479556.1	3774485	1.02E-05	70YrCancerRMP_InhSoilDermMMilkCrops_FAH16to70	1.02E-05	0	0	0	0	0	0	0	0	0	0	0
357	ALL	UCART2	479723.4	3774735	1.02E-05	70YrCancerRMP_InhSoilDermMMilkCrops_FAH16to70	1.02E-05	0	0	0	0	0	0	0	0	0	0	0
122	ALL	UCART2	479649.1	3774524	1.02E-05	70YrCancerRMP_InhSoilDermMMilkCrops_FAH16to70	1.02E-05	0	0	0	0	0	0	0	0	0	0	0
145	ALL	UCART2	479686.3	3774543	1.02E-05	70YrCancerRMP_InhSoilDermMMilkCrops_FAH16to70	1.02E-05	0	0	0	0	0	0	0	0	0	0	0
396	ALL	UCART2	479667.7	3774774	1.02E-05	70YrCancerRMP_InhSoilDermMMilkCrops_FAH16to70	1.02E-05	0	0	0	0	0	0	0	0	0	0	0
23	ALL	UCART2	479370.2	3774447	1.03E-05	70YrCancerRMP_InhSoilDermMMilkCrops_FAH16to70	1.03E-05	0	0	0	0	0	0	0	0	0	0	0
434	ALL	UCART2	479593.3	3774812	1.03E-05	70YrCancerRMP_InhSoilDermMMilkCrops_FAH16to70	1.03E-05	0	0	0	0	0	0	0	0	0	0	0
167	ALL	UCART2	479704.8	3774562	1.03E-05	70YrCancerRMP_InhSoilDermMMilkCrops_FAH16to70	1.03E-05	0	0	0	0	0	0	0	0	0	0	0
415	ALL	UCART2	479630.5	3774793	1.04E-05	70YrCancerRMP_InhSoilDermMMilkCrops_FAH16to70	1.04E-05	0	0	0	0	0	0	0	0	0	0	0
189	ALL	UCART2	479723.4	3774581	1.04E-05	70YrCancerRMP_InhSoilDermMMilkCrops_FAH16to70	1.04E-05	0	0	0	0	0	0	0	0	0	0	0
74	ALL	UCART2	479537.5	3774485	1.04E-05	70YrCancerRMP_InhSoilDermMMilkCrops_FAH16to70	1.04E-05	0	0	0	0	0	0	0	0	0	0	0
98	ALL	UCART2	479593.3	3774504	1.04E-05	70YrCancerRMP_InhSoilDermMMilkCrops_FAH16to70	1.04E-05	0	0	0	0	0	0	0	0	0	0	0

71	ALL	UCART2	479481.8	3774485	1.05E-05	70YrCancerRMP_InhSoilDermMMilkCrops_FAH16to70	1.05E-05	0	0	0	0	0	0	0	0	0	0	0
376	ALL	UCART2	479686.3	3774754	1.05E-05	70YrCancerRMP_InhSoilDermMMilkCrops_FAH16to70	1.05E-05	0	0	0	0	0	0	0	0	0	0	0
46	ALL	UCART2	479407.4	3774466	1.05E-05	70YrCancerRMP_InhSoilDermMMilkCrops_FAH16to70	1.05E-05	0	0	0	0	0	0	0	0	0	0	0
121	ALL	UCART2	479630.5	3774524	1.05E-05	70YrCancerRMP_InhSoilDermMMilkCrops_FAH16to70	1.05E-05	0	0	0	0	0	0	0	0	0	0	0
70	ALL	UCART2	479463.2	3774485	1.05E-05	70YrCancerRMP_InhSoilDermMMilkCrops_FAH16to70	1.05E-05	0	0	0	0	0	0	0	0	0	0	0
336	ALL	UCART2	479723.4	3774716	1.06E-05	70YrCancerRMP_InhSoilDermMMilkCrops_FAH16to70	1.06E-05	0	0	0	0	0	0	0	0	0	0	0
144	ALL	UCART2	479667.7	3774543	1.06E-05	70YrCancerRMP_InhSoilDermMMilkCrops_FAH16to70	1.06E-05	0	0	0	0	0	0	0	0	0	0	0
69	ALL	UCART2	479444.6	3774485	1.06E-05	70YrCancerRMP_InhSoilDermMMilkCrops_FAH16to70	1.06E-05	0	0	0	0	0	0	0	0	0	0	0
356	ALL	UCART2	479704.8	3774735	1.06E-05	70YrCancerRMP_InhSoilDermMMilkCrops_FAH16to70	1.06E-05	0	0	0	0	0	0	0	0	0	0	0
73	ALL	UCART2	479518.9	3774485	1.06E-05	70YrCancerRMP_InhSoilDermMMilkCrops_FAH16to70	1.06E-05	0	0	0	0	0	0	0	0	0	0	0
395	ALL	UCART2	479649.1	3774774	1.06E-05	70YrCancerRMP_InhSoilDermMMilkCrops_FAH16to70	1.06E-05	0	0	0	0	0	0	0	0	0	0	0
22	ALL	UCART2	479351.6	3774447	1.06E-05	70YrCancerRMP_InhSoilDermMMilkCrops_FAH16to70	1.06E-05	0	0	0	0	0	0	0	0	0	0	0
433	ALL	UCART2	479574.7	3774812	1.06E-05	70YrCancerRMP_InhSoilDermMMilkCrops_FAH16to70	1.06E-05	0	0	0	0	0	0	0	0	0	0	0
72	ALL	UCART2	479500.4	3774485	1.07E-05	70YrCancerRMP_InhSoilDermMMilkCrops_FAH16to70	1.07E-05	0	0	0	0	0	0	0	0	0	0	0
166	ALL	UCART2	479686.3	3774562	1.07E-05	70YrCancerRMP_InhSoilDermMMilkCrops_FAH16to70	1.07E-05	0	0	0	0	0	0	0	0	0	0	0
210	ALL	UCART2	479723.4	3774600	1.07E-05	70YrCancerRMP_InhSoilDermMMilkCrops_FAH16to70	1.07E-05	0	0	0	0	0	0	0	0	0	0	0
414	ALL	UCART2	479611.9	3774793	1.07E-05	70YrCancerRMP_InhSoilDermMMilkCrops_FAH16to70	1.07E-05	0	0	0	0	0	0	0	0	0	0	0
97	ALL	UCART2	479574.7	3774504	1.07E-05	70YrCancerRMP_InhSoilDermMMilkCrops_FAH16to70	1.07E-05	0	0	0	0	0	0	0	0	0	0	0
188	ALL	UCART2	479704.8	3774581	1.07E-05	70YrCancerRMP_InhSoilDermMMilkCrops_FAH16to70	1.07E-05	0	0	0	0	0	0	0	0	0	0	0
45	ALL	UCART2	479388.8	3774466	1.08E-05	70YrCancerRMP_InhSoilDermMMilkCrops_FAH16to70	1.08E-05	0	0	0	0	0	0	0	0	0	0	0
120	ALL	UCART2	479611.9	3774524	1.08E-05	70YrCancerRMP_InhSoilDermMMilkCrops_FAH16to70	1.08E-05	0	0	0	0	0	0	0	0	0	0	0
315	ALL	UCART2	479723.4	3774697	1.08E-05	70YrCancerRMP_InhSoilDermMMilkCrops_FAH16to70	1.08E-05	0	0	0	0	0	0	0	0	0	0	0
375	ALL	UCART2	479667.7	3774754	1.08E-05	70YrCancerRMP_InhSoilDermMMilkCrops_FAH16to70	1.08E-05	0	0	0	0	0	0	0	0	0	0	0
143	ALL	UCART2	479649.1	3774543	1.08E-05	70YrCancerRMP_InhSoilDermMMilkCrops_FAH16to70	1.08E-05	0	0	0	0	0	0	0	0	0	0	0
231	ALL	UCART2	479723.4	3774620	1.09E-05	70YrCancerRMP_InhSoilDermMMilkCrops_FAH16to70	1.09E-05	0	0	0	0	0	0	0	0	0	0	0
335	ALL	UCART2	479704.8	3774716	1.09E-05	70YrCancerRMP_InhSoilDermMMilkCrops_FAH16to70	1.09E-05	0	0	0	0	0	0	0	0	0	0	0
68	ALL	UCART2	479426	3774485	1.09E-05	70YrCancerRMP_InhSoilDermMMilkCrops_FAH16to70	1.09E-05	0	0	0	0	0	0	0	0	0	0	0
355	ALL	UCART2	479686.3	3774735	1.09E-05	70YrCancerRMP_InhSoilDermMMilkCrops_FAH16to70	1.09E-05	0	0	0	0	0	0	0	0	0	0	0
471	ALL		479332.4	3774445	1.10E-05	70YrCancerRMP_InhSoilDermMMilkCrops_FAH16to70	1.10E-05	0	0	0	0	0	0	0	0	0	0	0
394	ALL	UCART2	479630.5	3774774	1.10E-05	70YrCancerRMP_InhSoilDermMMilkCrops_FAH16to70	1.10E-05	0	0	0	0	0	0	0	0	0	0	0
96	ALL	UCART2	479556.1	3774504	1.10E-05	70YrCancerRMP_InhSoilDermMMilkCrops_FAH16to70	1.10E-05	0	0	0	0	0	0	0	0	0	0	0
432	ALL	UCART2	479556.1	3774812	1.10E-05	70YrCancerRMP_InhSoilDermMMilkCrops_FAH16to70	1.10E-05	0	0	0	0	0	0	0	0	0	0	0
294	ALL	UCART2	479723.4	3774677	1.10E-05	70YrCancerRMP_InhSoilDermMMilkCrops_FAH16to70	1.10E-05	0	0	0	0	0	0	0	0	0	0	0
209	ALL	UCART2	479704.8	3774600	1.10E-05	70YrCancerRMP_InhSoilDermMMilkCrops_FAH16to70	1.10E-05	0	0	0	0	0	0	0	0	0	0	0
252	ALL	UCART2	479723.4	3774639	1.10E-05	70YrCancerRMP_InhSoilDermMMilkCrops_FAH16to70	1.10E-05	0	0	0	0	0	0	0	0	0	0	0
273	ALL	UCART2	479723.4	3774658	1.11E-05	70YrCancerRMP_InhSoilDermMMilkCrops_FAH16to70	1.11E-05	0	0	0	0	0	0	0	0	0	0	0
165	ALL	UCART2	479667.7	3774562	1.11E-05	70YrCancerRMP_InhSoilDermMMilkCrops_FAH16to70	1.11E-05	0	0	0	0	0	0	0	0	0	0	0
187	ALL	UCART2	479686.3	3774581	1.11E-05	70YrCancerRMP_InhSoilDermMMilkCrops_FAH16to70	1.11E-05	0	0	0	0	0	0	0	0	0	0	0
119	ALL	UCART2	479593.3	3774524	1.11E-05	70YrCancerRMP_InhSoilDermMMilkCrops_FAH16to70	1.11E-05	0	0	0	0	0	0	0	0	0	0	0
413	ALL	UCART2	479593.3	3774793	1.11E-05	70YrCancerRMP_InhSoilDermMMilkCrops_FAH16to70	1.11E-05	0	0	0	0	0	0	0	0	0	0	0
314	ALL	UCART2	479704.8	3774697	1.11E-05	70YrCancerRMP_InhSoilDermMMilkCrops_FAH16to70	1.11E-05	0	0	0	0	0	0	0	0	0	0	0
142	ALL	UCART2	479630.5	3774543	1.11E-05	70YrCancerRMP_InhSoilDermMMilkCrops_FAH16to70	1.11E-05	0	0	0	0	0	0	0	0	0	0	0
44	ALL	UCART2	479370.2	3774466	1.11E-05	70YrCancerRMP_InhSoilDermMMilkCrops_FAH16to70	1.11E-05	0	0	0	0	0	0	0	0	0	0	0
95	ALL	UCART2	479537.5	3774504	1.12E-05	70YrCancerRMP_InhSoilDermMMilkCrops_FAH16to70	1.12E-05	0	0	0	0	0	0	0	0	0	0	0
374	ALL	UCART2	479649.1	3774754	1.12E-05	70YrCancerRMP_InhSoilDermMMilkCrops_FAH16to70	1.12E-05	0	0	0	0	0	0	0	0	0	0	0
230	ALL	UCART2	479704.8	3774620	1.12E-05	70YrCancerRMP_InhSoilDermMMilkCrops_FAH16to70	1.12E-05	0	0	0	0	0	0	0	0	0	0	0
67	ALL	UCART2	479407.4	3774485	1.12E-05	70YrCancerRMP_InhSoilDermMMilkCrops_FAH16to70	1.12E-05	0	0	0	0	0	0	0	0	0	0	0
334	ALL	UCART2	479686.3	3774716	1.12E-05	70YrCancerRMP_InhSoilDermMMilkCrops_FAH16to70	1.12E-05	0	0	0	0	0	0	0	0	0	0	0
92	ALL	UCART2	479481.8	3774504	1.12E-05	70YrCancerRMP_InhSoilDermMMilkCrops_FAH16to70	1.12E-05	0	0	0	0	0	0	0	0	0	0	0
354	ALL	UCART2	479667.7	3774735	1.13E-05	70YrCancerRMP_InhSoilDermMMilkCrops_FAH16to70	1.13E-05	0	0	0	0	0	0	0	0	0	0	0
93	ALL	UCART2	479500.4	3774504	1.13E-05	70YrCancerRMP_InhSoilDermMMilkCrops_FAH16to70	1.13E-05	0	0	0	0	0	0	0	0	0	0	0
91	ALL	UCART2	479463.2	3774504	1.13E-05	70YrCancerRMP_InhSoilDermMMilkCrops_FAH16to70	1.13E-05	0	0	0	0	0	0	0	0	0	0	0
293	ALL	UCART2	479704.8	3774677	1.13E-05	70YrCancerRMP_InhSoilDermMMilkCrops_FAH16to70	1.13E-05	0	0	0	0	0	0	0	0	0	0	0
251	ALL	UCART2	479704.8	3774639	1.13E-05	70YrCancerRMP_InhSoilDermMMilkCrops_FAH16to70	1.13E-05	0	0	0	0	0	0	0	0	0	0	0
90	ALL	UCART2	479444.6	3774504	1.13E-05	70YrCancerRMP_InhSoilDermMMilkCrops_FAH16to70	1.13E-05	0	0	0	0	0	0	0	0	0	0	0
164	ALL	UCART2	479649.1	3774562	1.13E-05	70YrCancerRMP_InhSoilDermMMilkCrops_FAH16to70	1.13E-05	0	0	0	0	0	0	0	0	0	0	0
393	ALL	UCART2	479611.9	3774774	1.14E-05	70YrCancerRMP_InhSoilDermMMilkCrops_FAH16to70	1.14E-05	0	0	0	0	0	0	0	0	0	0	0
431	ALL	UCART2	479537.5	3774812	1.14E-05	70YrCancerRMP_InhSoilDermMMilkCrops_FAH16to70	1.14E-05	0	0	0	0	0	0	0	0	0	0	0
208	ALL	UCART2	479686.3	3774600	1.14E-05	70YrCancerRMP_InhSoilDermMMilkCrops_FAH16to70	1.14E-05	0	0	0	0	0	0	0	0	0	0	0
272	ALL	UCART2	479704.8	3774658	1.14E-05	70YrCancerRMP_InhSoilDermMMilkCrops_FAH16to70	1.14E-05	0	0	0	0	0	0	0	0	0	0	0
118	ALL	UCART2	479574.7	3774524	1.14E-05	70YrCancerRMP_InhSoilDermMMilkCrops_FAH16to70	1.14E-05	0	0	0	0	0	0	0	0	0	0	0
94	ALL	UCART2	479518.9	3774504	1.14E-05	70YrCancerRMP_InhSoilDermMMilkCrops_FAH16to70	1.14E-05	0	0	0	0	0	0	0	0	0	0	0
141	ALL	UCART2	479611.9	3774543	1.15E-05	70YrCancerRMP_InhSoilDermMMilkCrops_FAH16to70	1.15E-05	0	0	0	0	0	0	0	0	0	0	0
412	ALL	UCART2	479574.7	3774793	1.15E-05	70YrCancerRMP_InhSoilDermMMilkCrops_FAH16to70	1.15E-05	0	0	0	0	0	0	0	0	0	0	0
186	ALL	UCART2	479667.7	3774581	1.15E-05	70YrCancerRMP_InhSoilDermMMilkCrops_FAH16to70	1.15E-05	0	0	0	0	0	0	0	0	0	0	0
229	ALL	UCART2	479686.3	3774620	1.15E-05	70YrCancerRMP_InhSoilDermMMilkCrops_FAH16to70	1.15E-05	0	0	0	0	0	0	0	0	0	0	0
43	ALL	UCART2	479351.6	3774466	1.15E-05	70YrCancerRMP_InhSoilDermMMilkCrops_FAH16to70	1.15E-05	0	0	0	0	0	0	0	0	0	0	0
313	ALL	UCART2	479686.3	3774697	1.15E-05	70YrCancerRMP_InhSoilDermMMilkCrops_FAH16to70	1.15E-05	0	0	0	0	0	0	0	0	0	0	0
373	ALL	UCART2	479630.5	3774754	1.16E-05	70YrCancerRMP_InhSoilDermMMilkCrops_FAH16to70	1.16E-05	0	0	0	0	0	0	0	0	0	0	0
117	ALL	UCART2	479556.1	3774524	1.16E-05	70YrCancerRMP_InhSoilDermMMilkCrops_FAH16to70	1.16E-05	0	0	0	0	0	0	0	0	0	0	0
113	ALL	UCART2	479481.8	3774524	1.16E-05	70YrCancerRMP_InhSoilDermMMilkCrops_FAH16to70	1.16E-05	0	0	0	0	0	0	0	0	0	0	0
333	ALL	UCART2	479667.7	3774716	1.16E-05	70YrCancerRMP_InhSoilDermMMilkCrops_FAH16to70	1.16E-05	0	0	0	0	0	0	0	0	0	0	0
66	ALL	UCART2	479388.8	3774485	1.16E-05	70YrCancerRMP_InhSoilDermMMilkCrops_FAH16to70	1.16E-05	0	0	0	0	0	0	0	0	0	0	0
112	ALL	UCART2	479463.2	3774524	1.16E-05	70YrCancerRMP_InhSoilDermMMilkCrops_FAH16to70	1.16E-05	0	0	0	0	0	0	0	0	0	0	0
163	ALL	UCART2	479630.5	3774562	1.17E-05	70YrCancerRMP_InhSoilDermMMilkCrops_FAH16to70	1.17E-05	0	0	0	0	0	0	0	0	0	0	0
353	ALL	UCART2	479649.1	3774735	1.17E-05	70YrCancerRMP_InhSoilDermMMilkCrops_FAH16to70	1.17E-05	0	0	0	0	0	0	0	0	0	0	0
292	ALL	UCART2	479686.3	3774677	1.17E-05	70YrCancerRMP_InhSoilDermMMilkCrops_FAH16to70	1.17E-05	0	0	0	0	0	0	0	0	0	0	0
89	ALL	UCART2	479426	3774504	1.17E-05	70YrCancerRMP_InhSoilDermMMilkCrops_FAH16to70	1.17E-05	0	0	0	0	0	0	0	0	0	0	0
250	ALL	UCART2	479686.3	3774639	1.17E-05	70YrCancerRMP_InhSoilDermMMilkCrops_FAH16to70	1.17E-05	0	0	0	0	0	0	0	0	0	0	0
271	ALL	UCART2	479686.3	3774658	1.18E-05	70YrCancerRMP_InhSoilDermMMilkCrops_FAH16to70	1.18E-05	0	0	0	0	0	0	0	0	0	0	0
392	ALL	UCART2	479593.3	3774774	1.18E-05	70YrCancerRMP_InhSoilDermMMilkCrops_FAH16to70	1.18E-05	0	0	0	0	0	0	0	0	0	0	0
185	ALL	UCART2	479649.1	3774581	1.18E-05	70YrCancerRMP_InhSoilDermMMilkCrops_FAH16to70	1.18E-05	0	0	0	0	0	0	0	0	0	0	0
114	ALL	UCART2	479500.4	3774524	1.18E-05	70YrCancerRMP_InhSoilDermMMilkCrops_FAH16to70	1.18E-05	0	0	0	0	0	0	0	0	0	0	0
430	ALL	UCART2	479518.9	3774812	1.18E-05	70YrCancerRMP_InhSoilDermMMilkCrops_FAH16to70	1.18E-05	0	0	0	0	0	0	0	0	0	0	0
207	ALL	UCART2	479667.7	3774600	1.18E-05	70YrCancerRMP_InhSoilDermMMilkCrops_FAH16to70	1.18E-05	0	0	0	0	0	0	0	0	0	0	0
140	ALL	UCART2	479593.3	3774543	1.18E-05	70YrCancerRMP_InhSoilDermMMilkCrops_FAH16to70	1.18E-05	0	0	0	0	0	0	0	0	0	0	0
411	ALL	UCART2	479556.1	3774793	1.18E-05	70YrCancerRMP_InhSoilDermMMilkCrops_FAH16to70	1.18E-05	0	0	0	0	0	0	0	0	0	0	0
472	ALL		479306.7	3774452	1.19E-05	70YrCancerRMP_InhSoilDermMMilkCrops_FAH16to70	1.19E-05	0	0	0	0	0	0	0	0	0	0	0
116	ALL	UCART2	479537.5	3774524	1.19E-05	70YrCancerRMP_InhSoilDermMMilkCrops_FAH16to70	1.19E-05	0	0	0	0	0	0	0	0	0	0	0
228	ALL	UCART2	479667.7	3774620	1.19E-05	70YrCancerRMP_InhSoilDermMMilkCrops_FAH16to70	1.19E-05	0	0	0	0	0	0	0	0	0	0	0
466	ALL		479428.3	3774513	1.19E-05	70YrCancerRMP_InhSoilDermMMilkCrops_FAH16to70	1.19E-05	0	0	0	0	0	0	0	0	0	0	0
115	ALL	UCART2	479518.9	3774524	1.19E-05	70YrCancerRMP_InhSoilDermMMilkCrops_FAH16to70	1.19E-05	0	0	0	0	0	0	0	0	0	0	0
372	ALL	UCART2	479611.9	3774754	1.20E-05	70YrCancerRMP_InhSoilDermMMilkCrops_FAH16to70	1.20E-05	0	0	0	0	0	0	0	0	0	0	0
312	ALL	UCART2	479667.7	3774697	1.20E-05	70YrCancerRMP_InhSoilDermMMilkCrops_FAH16to70	1.20E-05	0	0	0	0	0	0	0	0	0	0	0
332	ALL	UCART2	479649.1	3774716	1.20E-05	70YrCancerRMP_InhSoilDermMMilkCrops_FAH16to70	1.20E-05	0	0	0	0	0	0	0	0	0	0	0
162	ALL	UCART2	479611.9	3774562	1.20E-05	70YrCancerRMP_InhSoilDermMMilkCrops_FAH16to70	1.20E-05	0	0	0	0	0	0	0	0	0	0	0
111	ALL	UCART2	479444.6	3774524	1.20E-05	70YrCancerRMP_InhSoilDermMMilkCrops_FAH16to70	1.20E-05	0	0	0	0	0	0	0	0	0	0	0
65	ALL	UCART2	479370.2	3774485	1.21E-05	70YrCancerRMP_InhSoilDermMMilkCrops_FAH16to70	1.21E-05	0	0	0	0	0	0	0	0	0	0	0
88	ALL	UCART2	479407.4	3774504	1.21E-05	70YrCancerRMP_InhSoilDermMMilkCrops_FAH16to70	1.21E-05	0	0	0	0	0	0	0	0	0	0	0
352	ALL	UCART2	479630.5	3774735	1.21E-05	70YrCancerRMP_InhSoilDermMMilkCrops_FAH16to70	1.21E-05	0	0	0	0	0	0	0	0	0	0	0
206	ALL	UCART2	479649.1	3774600	1.21E-05	70YrCancerRMP_InhSoilDermMMilkCrops_FAH16to70	1.21E-05	0	0	0	0	0	0	0	0	0	0	0
184	ALL	UCART2	479630.5	3774581	1.21E-05	70YrCancerRMP_InhSoilDermMMilkCrops_FAH16to70	1.21E-05	0	0	0	0	0	0	0	0	0	0	0
139	ALL	UCART2	479574.7	3774543	1.21E-05	70YrCancerRMP_InhSoilDermMMilkCrops_FAH16to70	1.21E-05	0	0	0	0	0	0	0	0	0	0	0
249	ALL	UCART2	479667.7	3774639	1.22E-05	70YrCancerRMP_InhSoilDermMMilkCrops_FAH16to70	1.22E-05	0	0	0	0	0	0	0	0	0	0	0
291	ALL	UCART2	479667.7	3774677	1.22E-05	70YrCancerRMP_InhSoilDermMMilkCrops_FAH16to70	1.22E-05	0	0	0	0	0	0	0	0	0	0	0
391	ALL	UCART2	479574.7	3774774	1.22E-05	70YrCancerRMP_InhSoilDermMMilkCrops_FAH16to70	1.22E-05	0	0	0	0	0	0	0	0	0	0	0
270	ALL	UCART2	479667.7	3774658	1.22E-05	70YrCancerRMP_InhSoilDermMMilkCrops_FAH16to70	1.22E-05	0	0	0	0	0	0	0	0	0	0	0
429	ALL	UCART2	479500.4	3774812	1.22E-05	70YrCancerRMP_InhSoilDermMMilkCrops_FAH16to70	1.22E-05	0	0	0	0	0	0	0	0	0	0	0
227	ALL	UCART2	479649.1	3774620	1.23E-05	70YrCancerRMP_InhSoilDermMMilkCrops_FAH16to70	1.23E-05	0	0	0	0	0	0	0	0	0	0	0
410	ALL	UCART2	479537.5	3774793	1.23E-05	70YrCancerRMP_InhSoilDermMMilkCrops_FAH16to70	1.23E-05	0	0	0	0	0	0	0	0	0	0	0
371	ALL	UCART2	479593.3	3774754	1.24E-05	70YrCancerRMP_InhSoilDermMMilkCrops_FAH16to70	1.24E-05	0	0	0	0	0	0	0	0	0	0	0
311	ALL	UCART2	479649.1	3774697	1.24E-05	70YrCancerRMP_InhSoilDermMMilkCrops_FAH16to70	1.24E-05	0	0	0	0	0	0	0	0	0	0	0
138	ALL	UCART2	479556.1	3774543	1.24E-05	70YrCancerRMP_InhSoilDermMMilkCrops_FAH16to70	1.24E-05	0	0	0	0	0	0	0	0	0	0	0

110	ALL	UCART2	479426	3774524	1.24E-05	70YrCancerRMP_InhSoilDermMMilkCrops_FAH16to70	1.24E-05	0	0	0	0	0	0	0	0	0	0	0
161	ALL	UCART2	479593.3	3774562	1.24E-05	70YrCancerRMP_InhSoilDermMMilkCrops_FAH16to70	1.24E-05	0	0	0	0	0	0	0	0	0	0	0
331	ALL	UCART2	479630.5	3774716	1.24E-05	70YrCancerRMP_InhSoilDermMMilkCrops_FAH16to70	1.24E-05	0	0	0	0	0	0	0	0	0	0	0
205	ALL	UCART2	479630.5	3774600	1.25E-05	70YrCancerRMP_InhSoilDermMMilkCrops_FAH16to70	1.25E-05	0	0	0	0	0	0	0	0	0	0	0
351	ALL	UCART2	479611.9	3774735	1.25E-05	70YrCancerRMP_InhSoilDermMMilkCrops_FAH16to70	1.25E-05	0	0	0	0	0	0	0	0	0	0	0
183	ALL	UCART2	479611.9	3774581	1.25E-05	70YrCancerRMP_InhSoilDermMMilkCrops_FAH16to70	1.25E-05	0	0	0	0	0	0	0	0	0	0	0
64	ALL	UCART2	479351.6	3774485	1.25E-05	70YrCancerRMP_InhSoilDermMMilkCrops_FAH16to70	1.25E-05	0	0	0	0	0	0	0	0	0	0	0
248	ALL	UCART2	479649.1	3774639	1.25E-05	70YrCancerRMP_InhSoilDermMMilkCrops_FAH16to70	1.25E-05	0	0	0	0	0	0	0	0	0	0	0
87	ALL	UCART2	479388.8	3774504	1.25E-05	70YrCancerRMP_InhSoilDermMMilkCrops_FAH16to70	1.25E-05	0	0	0	0	0	0	0	0	0	0	0
290	ALL	UCART2	479649.1	3774677	1.25E-05	70YrCancerRMP_InhSoilDermMMilkCrops_FAH16to70	1.25E-05	0	0	0	0	0	0	0	0	0	0	0
269	ALL	UCART2	479649.1	3774658	1.26E-05	70YrCancerRMP_InhSoilDermMMilkCrops_FAH16to70	1.26E-05	0	0	0	0	0	0	0	0	0	0	0
390	ALL	UCART2	479556.1	3774774	1.26E-05	70YrCancerRMP_InhSoilDermMMilkCrops_FAH16to70	1.26E-05	0	0	0	0	0	0	0	0	0	0	0
137	ALL	UCART2	479537.5	3774543	1.27E-05	70YrCancerRMP_InhSoilDermMMilkCrops_FAH16to70	1.27E-05	0	0	0	0	0	0	0	0	0	0	0
226	ALL	UCART2	479630.5	3774620	1.27E-05	70YrCancerRMP_InhSoilDermMMilkCrops_FAH16to70	1.27E-05	0	0	0	0	0	0	0	0	0	0	0
428	ALL	UCART2	479481.8	3774812	1.27E-05	70YrCancerRMP_InhSoilDermMMilkCrops_FAH16to70	1.27E-05	0	0	0	0	0	0	0	0	0	0	0
409	ALL	UCART2	479518.9	3774793	1.28E-05	70YrCancerRMP_InhSoilDermMMilkCrops_FAH16to70	1.28E-05	0	0	0	0	0	0	0	0	0	0	0
160	ALL	UCART2	479574.7	3774562	1.28E-05	70YrCancerRMP_InhSoilDermMMilkCrops_FAH16to70	1.28E-05	0	0	0	0	0	0	0	0	0	0	0
310	ALL	UCART2	479630.5	3774697	1.28E-05	70YrCancerRMP_InhSoilDermMMilkCrops_FAH16to70	1.28E-05	0	0	0	0	0	0	0	0	0	0	0
370	ALL	UCART2	479574.7	3774754	1.29E-05	70YrCancerRMP_InhSoilDermMMilkCrops_FAH16to70	1.29E-05	0	0	0	0	0	0	0	0	0	0	0
204	ALL	UCART2	479611.9	3774600	1.29E-05	70YrCancerRMP_InhSoilDermMMilkCrops_FAH16to70	1.29E-05	0	0	0	0	0	0	0	0	0	0	0
330	ALL	UCART2	479611.9	3774716	1.29E-05	70YrCancerRMP_InhSoilDermMMilkCrops_FAH16to70	1.29E-05	0	0	0	0	0	0	0	0	0	0	0
182	ALL	UCART2	479593.3	3774581	1.29E-05	70YrCancerRMP_InhSoilDermMMilkCrops_FAH16to70	1.29E-05	0	0	0	0	0	0	0	0	0	0	0
247	ALL	UCART2	479630.5	3774639	1.30E-05	70YrCancerRMP_InhSoilDermMMilkCrops_FAH16to70	1.30E-05	0	0	0	0	0	0	0	0	0	0	0
350	ALL	UCART2	479593.3	3774735	1.30E-05	70YrCancerRMP_InhSoilDermMMilkCrops_FAH16to70	1.30E-05	0	0	0	0	0	0	0	0	0	0	0
109	ALL	UCART2	479407.4	3774524	1.30E-05	70YrCancerRMP_InhSoilDermMMilkCrops_FAH16to70	1.30E-05	0	0	0	0	0	0	0	0	0	0	0
289	ALL	UCART2	479630.5	3774677	1.30E-05	70YrCancerRMP_InhSoilDermMMilkCrops_FAH16to70	1.30E-05	0	0	0	0	0	0	0	0	0	0	0
134	ALL	UCART2	479481.8	3774543	1.30E-05	70YrCancerRMP_InhSoilDermMMilkCrops_FAH16to70	1.30E-05	0	0	0	0	0	0	0	0	0	0	0
159	ALL	UCART2	479556.1	3774562	1.30E-05	70YrCancerRMP_InhSoilDermMMilkCrops_FAH16to70	1.30E-05	0	0	0	0	0	0	0	0	0	0	0
268	ALL	UCART2	479630.5	3774658	1.30E-05	70YrCancerRMP_InhSoilDermMMilkCrops_FAH16to70	1.30E-05	0	0	0	0	0	0	0	0	0	0	0
133	ALL	UCART2	479463.2	3774543	1.31E-05	70YrCancerRMP_InhSoilDermMMilkCrops_FAH16to70	1.31E-05	0	0	0	0	0	0	0	0	0	0	0
86	ALL	UCART2	479370.2	3774504	1.31E-05	70YrCancerRMP_InhSoilDermMMilkCrops_FAH16to70	1.31E-05	0	0	0	0	0	0	0	0	0	0	0
389	ALL	UCART2	479537.5	3774774	1.31E-05	70YrCancerRMP_InhSoilDermMMilkCrops_FAH16to70	1.31E-05	0	0	0	0	0	0	0	0	0	0	0
136	ALL	UCART2	479518.9	3774543	1.31E-05	70YrCancerRMP_InhSoilDermMMilkCrops_FAH16to70	1.31E-05	0	0	0	0	0	0	0	0	0	0	0
225	ALL	UCART2	479611.9	3774620	1.31E-05	70YrCancerRMP_InhSoilDermMMilkCrops_FAH16to70	1.31E-05	0	0	0	0	0	0	0	0	0	0	0
132	ALL	UCART2	479444.6	3774543	1.31E-05	70YrCancerRMP_InhSoilDermMMilkCrops_FAH16to70	1.31E-05	0	0	0	0	0	0	0	0	0	0	0
427	ALL	UCART2	479463.2	3774812	1.31E-05	70YrCancerRMP_InhSoilDermMMilkCrops_FAH16to70	1.31E-05	0	0	0	0	0	0	0	0	0	0	0
135	ALL	UCART2	479500.4	3774543	1.32E-05	70YrCancerRMP_InhSoilDermMMilkCrops_FAH16to70	1.32E-05	0	0	0	0	0	0	0	0	0	0	0
181	ALL	UCART2	479574.7	3774581	1.32E-05	70YrCancerRMP_InhSoilDermMMilkCrops_FAH16to70	1.32E-05	0	0	0	0	0	0	0	0	0	0	0
408	ALL	UCART2	479500.4	3774793	1.32E-05	70YrCancerRMP_InhSoilDermMMilkCrops_FAH16to70	1.32E-05	0	0	0	0	0	0	0	0	0	0	0
203	ALL	UCART2	479593.3	3774600	1.33E-05	70YrCancerRMP_InhSoilDermMMilkCrops_FAH16to70	1.33E-05	0	0	0	0	0	0	0	0	0	0	0
309	ALL	UCART2	479611.9	3774697	1.33E-05	70YrCancerRMP_InhSoilDermMMilkCrops_FAH16to70	1.33E-05	0	0	0	0	0	0	0	0	0	0	0
369	ALL	UCART2	479556.1	3774754	1.33E-05	70YrCancerRMP_InhSoilDermMMilkCrops_FAH16to70	1.33E-05	0	0	0	0	0	0	0	0	0	0	0
329	ALL	UCART2	479593.3	3774716	1.34E-05	70YrCancerRMP_InhSoilDermMMilkCrops_FAH16to70	1.34E-05	0	0	0	0	0	0	0	0	0	0	0
158	ALL	UCART2	479537.5	3774562	1.34E-05	70YrCancerRMP_InhSoilDermMMilkCrops_FAH16to70	1.34E-05	0	0	0	0	0	0	0	0	0	0	0
288	ALL	UCART2	479611.9	3774677	1.34E-05	70YrCancerRMP_InhSoilDermMMilkCrops_FAH16to70	1.34E-05	0	0	0	0	0	0	0	0	0	0	0
221	ALL	UCART2	479537.5	3774620	1.34E-05	70YrCancerRMP_InhSoilDermMMilkCrops_FAH16to70	1.34E-05	0	0	0	0	0	0	0	0	0	0	0
246	ALL	UCART2	479611.9	3774639	1.34E-05	70YrCancerRMP_InhSoilDermMMilkCrops_FAH16to70	1.34E-05	0	0	0	0	0	0	0	0	0	0	0
131	ALL	UCART2	479426	3774543	1.35E-05	70YrCancerRMP_InhSoilDermMMilkCrops_FAH16to70	1.35E-05	0	0	0	0	0	0	0	0	0	0	0
349	ALL	UCART2	479574.7	3774735	1.35E-05	70YrCancerRMP_InhSoilDermMMilkCrops_FAH16to70	1.35E-05	0	0	0	0	0	0	0	0	0	0	0
180	ALL	UCART2	479556.1	3774581	1.35E-05	70YrCancerRMP_InhSoilDermMMilkCrops_FAH16to70	1.35E-05	0	0	0	0	0	0	0	0	0	0	0
267	ALL	UCART2	479611.9	3774658	1.35E-05	70YrCancerRMP_InhSoilDermMMilkCrops_FAH16to70	1.35E-05	0	0	0	0	0	0	0	0	0	0	0
219	ALL	UCART2	479500.4	3774620	1.35E-05	70YrCancerRMP_InhSoilDermMMilkCrops_FAH16to70	1.35E-05	0	0	0	0	0	0	0	0	0	0	0
108	ALL	UCART2	479388.8	3774524	1.35E-05	70YrCancerRMP_InhSoilDermMMilkCrops_FAH16to70	1.35E-05	0	0	0	0	0	0	0	0	0	0	0
224	ALL	UCART2	479593.3	3774620	1.36E-05	70YrCancerRMP_InhSoilDermMMilkCrops_FAH16to70	1.36E-05	0	0	0	0	0	0	0	0	0	0	0
176	ALL	UCART2	479481.8	3774581	1.36E-05	70YrCancerRMP_InhSoilDermMMilkCrops_FAH16to70	1.36E-05	0	0	0	0	0	0	0	0	0	0	0
85	ALL	UCART2	479351.6	3774504	1.36E-05	70YrCancerRMP_InhSoilDermMMilkCrops_FAH16to70	1.36E-05	0	0	0	0	0	0	0	0	0	0	0
426	ALL	UCART2	479444.6	3774812	1.36E-05	70YrCancerRMP_InhSoilDermMMilkCrops_FAH16to70	1.36E-05	0	0	0	0	0	0	0	0	0	0	0
175	ALL	UCART2	479463.2	3774581	1.36E-05	70YrCancerRMP_InhSoilDermMMilkCrops_FAH16to70	1.36E-05	0	0	0	0	0	0	0	0	0	0	0
202	ALL	UCART2	479574.7	3774600	1.37E-05	70YrCancerRMP_InhSoilDermMMilkCrops_FAH16to70	1.37E-05	0	0	0	0	0	0	0	0	0	0	0
388	ALL	UCART2	479518.9	3774774	1.37E-05	70YrCancerRMP_InhSoilDermMMilkCrops_FAH16to70	1.37E-05	0	0	0	0	0	0	0	0	0	0	0
220	ALL	UCART2	479518.9	3774620	1.37E-05	70YrCancerRMP_InhSoilDermMMilkCrops_FAH16to70	1.37E-05	0	0	0	0	0	0	0	0	0	0	0
201	ALL	UCART2	479556.1	3774600	1.37E-05	70YrCancerRMP_InhSoilDermMMilkCrops_FAH16to70	1.37E-05	0	0	0	0	0	0	0	0	0	0	0
222	ALL	UCART2	479556.1	3774620	1.37E-05	70YrCancerRMP_InhSoilDermMMilkCrops_FAH16to70	1.37E-05	0	0	0	0	0	0	0	0	0	0	0
407	ALL	UCART2	479481.8	3774793	1.38E-05	70YrCancerRMP_InhSoilDermMMilkCrops_FAH16to70	1.38E-05	0	0	0	0	0	0	0	0	0	0	0
155	ALL	UCART2	479481.8	3774562	1.38E-05	70YrCancerRMP_InhSoilDermMMilkCrops_FAH16to70	1.38E-05	0	0	0	0	0	0	0	0	0	0	0
197	ALL	UCART2	479481.8	3774600	1.38E-05	70YrCancerRMP_InhSoilDermMMilkCrops_FAH16to70	1.38E-05	0	0	0	0	0	0	0	0	0	0	0
179	ALL	UCART2	479537.5	3774581	1.38E-05	70YrCancerRMP_InhSoilDermMMilkCrops_FAH16to70	1.38E-05	0	0	0	0	0	0	0	0	0	0	0
218	ALL	UCART2	479481.8	3774620	1.38E-05	70YrCancerRMP_InhSoilDermMMilkCrops_FAH16to70	1.38E-05	0	0	0	0	0	0	0	0	0	0	0
154	ALL	UCART2	479463.2	3774562	1.38E-05	70YrCancerRMP_InhSoilDermMMilkCrops_FAH16to70	1.38E-05	0	0	0	0	0	0	0	0	0	0	0
308	ALL	UCART2	479593.3	3774697	1.38E-05	70YrCancerRMP_InhSoilDermMMilkCrops_FAH16to70	1.38E-05	0	0	0	0	0	0	0	0	0	0	0
177	ALL	UCART2	479500.4	3774581	1.38E-05	70YrCancerRMP_InhSoilDermMMilkCrops_FAH16to70	1.38E-05	0	0	0	0	0	0	0	0	0	0	0
368	ALL	UCART2	479537.5	3774754	1.39E-05	70YrCancerRMP_InhSoilDermMMilkCrops_FAH16to70	1.39E-05	0	0	0	0	0	0	0	0	0	0	0
153	ALL	UCART2	479444.6	3774562	1.39E-05	70YrCancerRMP_InhSoilDermMMilkCrops_FAH16to70	1.39E-05	0	0	0	0	0	0	0	0	0	0	0
287	ALL	UCART2	479593.3	3774677	1.39E-05	70YrCancerRMP_InhSoilDermMMilkCrops_FAH16to70	1.39E-05	0	0	0	0	0	0	0	0	0	0	0
223	ALL	UCART2	479574.7	3774620	1.39E-05	70YrCancerRMP_InhSoilDermMMilkCrops_FAH16to70	1.39E-05	0	0	0	0	0	0	0	0	0	0	0
328	ALL	UCART2	479574.7	3774716	1.39E-05	70YrCancerRMP_InhSoilDermMMilkCrops_FAH16to70	1.39E-05	0	0	0	0	0	0	0	0	0	0	0
157	ALL	UCART2	479518.9	3774562	1.39E-05	70YrCancerRMP_InhSoilDermMMilkCrops_FAH16to70	1.39E-05	0	0	0	0	0	0	0	0	0	0	0
245	ALL	UCART2	479593.3	3774639	1.39E-05	70YrCancerRMP_InhSoilDermMMilkCrops_FAH16to70	1.39E-05	0	0	0	0	0	0	0	0	0	0	0
156	ALL	UCART2	479500.4	3774562	1.40E-05	70YrCancerRMP_InhSoilDermMMilkCrops_FAH16to70	1.40E-05	0	0	0	0	0	0	0	0	0	0	0
348	ALL	UCART2	479556.1	3774735	1.40E-05	70YrCancerRMP_InhSoilDermMMilkCrops_FAH16to70	1.40E-05	0	0	0	0	0	0	0	0	0	0	0
200	ALL	UCART2	479537.5	3774600	1.40E-05	70YrCancerRMP_InhSoilDermMMilkCrops_FAH16to70	1.40E-05	0	0	0	0	0	0	0	0	0	0	0
425	ALL	UCART2	479426	3774812	1.40E-05	70YrCancerRMP_InhSoilDermMMilkCrops_FAH16to70	1.40E-05	0	0	0	0	0	0	0	0	0	0	0
130	ALL	UCART2	479407.4	3774543	1.40E-05	70YrCancerRMP_InhSoilDermMMilkCrops_FAH16to70	1.40E-05	0	0	0	0	0	0	0	0	0	0	0
266	ALL	UCART2	479593.3	3774658	1.40E-05	70YrCancerRMP_InhSoilDermMMilkCrops_FAH16to70	1.40E-05	0	0	0	0	0	0	0	0	0	0	0
198	ALL	UCART2	479500.4	3774600	1.40E-05	70YrCancerRMP_InhSoilDermMMilkCrops_FAH16to70	1.40E-05	0	0	0	0	0	0	0	0	0	0	0
174	ALL	UCART2	479444.6	3774581	1.41E-05	70YrCancerRMP_InhSoilDermMMilkCrops_FAH16to70	1.41E-05	0	0	0	0	0	0	0	0	0	0	0
107	ALL	UCART2	479370.2	3774524	1.41E-05	70YrCancerRMP_InhSoilDermMMilkCrops_FAH16to70	1.41E-05	0	0	0	0	0	0	0	0	0	0	0
196	ALL	UCART2	479463.2	3774600	1.42E-05	70YrCancerRMP_InhSoilDermMMilkCrops_FAH16to70	1.42E-05	0	0	0	0	0	0	0	0	0	0	0
387	ALL	UCART2	479500.4	3774774	1.42E-05	70YrCancerRMP_InhSoilDermMMilkCrops_FAH16to70	1.42E-05	0	0	0	0	0	0	0	0	0	0	0
152	ALL	UCART2	479426	3774562	1.43E-05	70YrCancerRMP_InhSoilDermMMilkCrops_FAH16to70	1.43E-05	0	0	0	0	0	0	0	0	0	0	0
406	ALL	UCART2	479463.2	3774793	1.43E-05	70YrCancerRMP_InhSoilDermMMilkCrops_FAH16to70	1.43E-05	0	0	0	0	0	0	0	0	0	0	0
307	ALL	UCART2	479574.7	3774697	1.43E-05	70YrCancerRMP_InhSoilDermMMilkCrops_FAH16to70	1.43E-05	0	0	0	0	0	0	0	0	0	0	0
327	ALL	UCART2	479556.1	3774716	1.44E-05	70YrCancerRMP_InhSoilDermMMilkCrops_FAH16to70	1.44E-05	0	0	0	0	0	0	0	0	0	0	0
217	ALL	UCART2	479463.2	3774620	1.44E-05	70YrCancerRMP_InhSoilDermMMilkCrops_FAH16to70	1.44E-05	0	0	0	0	0	0	0	0	0	0	0
244	ALL	UCART2	479574.7	3774639	1.44E-05	70YrCancerRMP_InhSoilDermMMilkCrops_FAH16to70	1.44E-05	0	0	0	0	0	0	0	0	0	0	0
386	ALL	UCART2	479481.8	3774774	1.45E-05	70YrCancerRMP_InhSoilDermMMilkCrops_FAH16to70	1.45E-05	0	0	0	0	0	0	0	0	0	0	0
424	ALL	UCART2	479407.4	3774812	1.45E-05	70YrCancerRMP_InhSoilDermMMilkCrops_FAH16to70	1.45E-05	0	0	0	0	0	0	0	0	0	0	0
286	ALL	UCART2	479574.7	3774677	1.45E-05	70YrCancerRMP_InhSoilDermMMilkCrops_FAH16to70	1.45E-05	0	0	0	0	0	0	0	0	0	0	0
129	ALL	UCART2	479388.8	3774543	1.45E-05	70YrCancerRMP_InhSoilDermMMilkCrops_FAH16to70	1.45E-05	0	0	0	0	0	0	0	0	0	0	0
265	ALL	UCART2	479574.7	3774658	1.46E-05	70YrCancerRMP_InhSoilDermMMilkCrops_FAH16to70	1.46E-05	0	0	0	0	0	0	0	0	0	0	0
347	ALL	UCART2	479537.5	3774735	1.46E-05	70YrCancerRMP_InhSoilDermMMilkCrops_FAH16to70	1.46E-05	0	0	0	0	0	0	0	0	0	0	0
242	ALL	UCART2	479537.5	3774639	1.46E-05	70YrCancerRMP_InhSoilDermMMilkCrops_FAH16to70	1.46E-05	0	0	0	0	0	0	0	0	0	0	0
367	ALL	UCART2	479518.9	3774754	1.46E-05	70YrCancerRMP_InhSoilDermMMilkCrops_FAH16to70	1.46E-05	0	0	0	0	0	0	0	0	0	0	0
199	ALL	UCART2	479518.9	3774600	1.46E-05	70YrCancerRMP_InhSoilDermMMilkCrops_FAH16to70	1.46E-05	0	0	0	0	0	0	0	0	0	0	0
178	ALL	UCART2	479518.9	3774581	1.46E-05	70YrCancerRMP_InhSoilDermMMilkCrops_FAH16to70	1.46E-05	0	0	0	0	0	0	0	0	0	0	0
195	ALL	UCART2	479444.6	3774600	1.47E-05	70YrCancerRMP_InhSoilDermMMilkCrops_FAH16to70	1.47E-05	0	0	0	0	0	0	0	0	0	0	0
106	ALL	UCART2	479351.6	3774524	1.47E-05	70YrCancerRMP_InhSoilDermMMilkCrops_FAH16to70	1.47E-05	0	0	0	0	0	0	0	0	0	0	0
151	ALL	UCART2	479407.4	3774562	1.48E-05	70YrCancerRMP_InhSoilDermMMilkCrops_FAH16to70	1.48E-05	0	0	0	0	0	0	0	0	0	0	0
243	ALL	UCART2	479556.1	3774639	1.48E-05	70YrCancerRMP_InhSoilDermMMilkCrops_FAH16to70	1.48E-05	0	0	0	0	0	0	0	0	0	0	0
173	ALL	UCART2	479426	3774581	1.48E-05	70YrCancerRMP_InhSoilDermMMilkCrops_FAH16to70	1.48E-05	0	0	0	0	0	0	0	0	0	0	0
423	ALL	UCART2	479388.8	3774812	1.48E-05	70YrCancerRMP_InhSoilDermMMilkCrops_FAH16to70	1.48E-05	0	0	0	0	0	0	0	0	0	0	0
405	ALL	UCART2	479444.6	3774793	1.48E-05	70YrCancerRMP_InhSoilDermMMilkCrops_FAH16to70	1.48E-05	0	0	0	0	0	0	0	0	0	0	0
306	ALL	UCART2	479556.1	3774697	1.49E-05	70YrCancerRMP_InhSoilDermMMilkCrops_FAH16to70	1.49E-05	0	0	0	0	0	0	0	0	0	0	0

285	ALL	UCART2	479556.1	3774677	1.49E-05	70YrCancerRMP_InhSoilDermMMilkCrops_FAH16to70	1.49E-05	0	0	0	0	0	0	0	0	0	0	0	0	0	0
385	ALL	UCART2	479463.2	3774774	1.49E-05	70YrCancerRMP_InhSoilDermMMilkCrops_FAH16to70	1.49E-05	0	0	0	0	0	0	0	0	0	0	0	0	0	0
326	ALL	UCART2	479537.5	3774716	1.50E-05	70YrCancerRMP_InhSoilDermMMilkCrops_FAH16to70	1.50E-05	0	0	0	0	0	0	0	0	0	0	0	0	0	0
264	ALL	UCART2	479556.1	3774658	1.50E-05	70YrCancerRMP_InhSoilDermMMilkCrops_FAH16to70	1.50E-05	0	0	0	0	0	0	0	0	0	0	0	0	0	0
239	ALL	UCART2	479481.8	3774639	1.50E-05	70YrCancerRMP_InhSoilDermMMilkCrops_FAH16to70	1.50E-05	0	0	0	0	0	0	0	0	0	0	0	0	0	0
384	ALL	UCART2	479444.6	3774774	1.51E-05	70YrCancerRMP_InhSoilDermMMilkCrops_FAH16to70	1.51E-05	0	0	0	0	0	0	0	0	0	0	0	0	0	0
366	ALL	UCART2	479500.4	3774754	1.52E-05	70YrCancerRMP_InhSoilDermMMilkCrops_FAH16to70	1.52E-05	0	0	0	0	0	0	0	0	0	0	0	0	0	0
216	ALL	UCART2	479444.6	3774620	1.52E-05	70YrCancerRMP_InhSoilDermMMilkCrops_FAH16to70	1.52E-05	0	0	0	0	0	0	0	0	0	0	0	0	0	0
383	ALL	UCART2	479426	3774774	1.52E-05	70YrCancerRMP_InhSoilDermMMilkCrops_FAH16to70	1.52E-05	0	0	0	0	0	0	0	0	0	0	0	0	0	0
128	ALL	UCART2	479370.2	3774543	1.52E-05	70YrCancerRMP_InhSoilDermMMilkCrops_FAH16to70	1.52E-05	0	0	0	0	0	0	0	0	0	0	0	0	0	0
404	ALL	UCART2	479426	3774793	1.52E-05	70YrCancerRMP_InhSoilDermMMilkCrops_FAH16to70	1.52E-05	0	0	0	0	0	0	0	0	0	0	0	0	0	0
422	ALL	UCART2	479370.2	3774812	1.53E-05	70YrCancerRMP_InhSoilDermMMilkCrops_FAH16to70	1.53E-05	0	0	0	0	0	0	0	0	0	0	0	0	0	0
346	ALL	UCART2	479518.9	3774735	1.53E-05	70YrCancerRMP_InhSoilDermMMilkCrops_FAH16to70	1.53E-05	0	0	0	0	0	0	0	0	0	0	0	0	0	0
263	ALL	UCART2	479537.5	3774658	1.54E-05	70YrCancerRMP_InhSoilDermMMilkCrops_FAH16to70	1.54E-05	0	0	0	0	0	0	0	0	0	0	0	0	0	0
305	ALL	UCART2	479537.5	3774697	1.54E-05	70YrCancerRMP_InhSoilDermMMilkCrops_FAH16to70	1.54E-05	0	0	0	0	0	0	0	0	0	0	0	0	0	0
365	ALL	UCART2	479481.8	3774754	1.54E-05	70YrCancerRMP_InhSoilDermMMilkCrops_FAH16to70	1.54E-05	0	0	0	0	0	0	0	0	0	0	0	0	0	0
194	ALL	UCART2	479426	3774600	1.55E-05	70YrCancerRMP_InhSoilDermMMilkCrops_FAH16to70	1.55E-05	0	0	0	0	0	0	0	0	0	0	0	0	0	0
284	ALL	UCART2	479537.5	3774677	1.55E-05	70YrCancerRMP_InhSoilDermMMilkCrops_FAH16to70	1.55E-05	0	0	0	0	0	0	0	0	0	0	0	0	0	0
150	ALL	UCART2	479388.8	3774562	1.55E-05	70YrCancerRMP_InhSoilDermMMilkCrops_FAH16to70	1.55E-05	0	0	0	0	0	0	0	0	0	0	0	0	0	0
238	ALL	UCART2	479463.2	3774639	1.55E-05	70YrCancerRMP_InhSoilDermMMilkCrops_FAH16to70	1.55E-05	0	0	0	0	0	0	0	0	0	0	0	0	0	0
172	ALL	UCART2	479407.4	3774581	1.56E-05	70YrCancerRMP_InhSoilDermMMilkCrops_FAH16to70	1.56E-05	0	0	0	0	0	0	0	0	0	0	0	0	0	0
240	ALL	UCART2	479500.4	3774639	1.56E-05	70YrCancerRMP_InhSoilDermMMilkCrops_FAH16to70	1.56E-05	0	0	0	0	0	0	0	0	0	0	0	0	0	0
237	ALL	UCART2	479444.6	3774639	1.57E-05	70YrCancerRMP_InhSoilDermMMilkCrops_FAH16to70	1.57E-05	0	0	0	0	0	0	0	0	0	0	0	0	0	0
322	ALL	UCART2	479463.2	3774716	1.57E-05	70YrCancerRMP_InhSoilDermMMilkCrops_FAH16to70	1.57E-05	0	0	0	0	0	0	0	0	0	0	0	0	0	0
403	ALL	UCART2	479407.4	3774793	1.58E-05	70YrCancerRMP_InhSoilDermMMilkCrops_FAH16to70	1.58E-05	0	0	0	0	0	0	0	0	0	0	0	0	0	0
402	ALL	UCART2	479388.8	3774793	1.58E-05	70YrCancerRMP_InhSoilDermMMilkCrops_FAH16to70	1.58E-05	0	0	0	0	0	0	0	0	0	0	0	0	0	0
325	ALL	UCART2	479518.9	3774716	1.58E-05	70YrCancerRMP_InhSoilDermMMilkCrops_FAH16to70	1.58E-05	0	0	0	0	0	0	0	0	0	0	0	0	0	0
345	ALL	UCART2	479500.4	3774735	1.58E-05	70YrCancerRMP_InhSoilDermMMilkCrops_FAH16to70	1.58E-05	0	0	0	0	0	0	0	0	0	0	0	0	0	0
323	ALL	UCART2	479481.8	3774716	1.58E-05	70YrCancerRMP_InhSoilDermMMilkCrops_FAH16to70	1.58E-05	0	0	0	0	0	0	0	0	0	0	0	0	0	0
364	ALL	UCART2	479463.2	3774754	1.59E-05	70YrCancerRMP_InhSoilDermMMilkCrops_FAH16to70	1.59E-05	0	0	0	0	0	0	0	0	0	0	0	0	0	0
260	ALL	UCART2	479481.8	3774658	1.59E-05	70YrCancerRMP_InhSoilDermMMilkCrops_FAH16to70	1.59E-05	0	0	0	0	0	0	0	0	0	0	0	0	0	0
344	ALL	UCART2	479481.8	3774735	1.59E-05	70YrCancerRMP_InhSoilDermMMilkCrops_FAH16to70	1.59E-05	0	0	0	0	0	0	0	0	0	0	0	0	0	0
127	ALL	UCART2	479351.6	3774543	1.59E-05	70YrCancerRMP_InhSoilDermMMilkCrops_FAH16to70	1.59E-05	0	0	0	0	0	0	0	0	0	0	0	0	0	0
342	ALL	UCART2	479444.6	3774735	1.60E-05	70YrCancerRMP_InhSoilDermMMilkCrops_FAH16to70	1.60E-05	0	0	0	0	0	0	0	0	0	0	0	0	0	0
259	ALL	UCART2	479463.2	3774658	1.60E-05	70YrCancerRMP_InhSoilDermMMilkCrops_FAH16to70	1.60E-05	0	0	0	0	0	0	0	0	0	0	0	0	0	0
321	ALL	UCART2	479444.6	3774716	1.60E-05	70YrCancerRMP_InhSoilDermMMilkCrops_FAH16to70	1.60E-05	0	0	0	0	0	0	0	0	0	0	0	0	0	0
421	ALL	UCART2	479351.6	3774812	1.60E-05	70YrCancerRMP_InhSoilDermMMilkCrops_FAH16to70	1.60E-05	0	0	0	0	0	0	0	0	0	0	0	0	0	0
382	ALL	UCART2	479407.4	3774774	1.60E-05	70YrCancerRMP_InhSoilDermMMilkCrops_FAH16to70	1.60E-05	0	0	0	0	0	0	0	0	0	0	0	0	0	0
215	ALL	UCART2	479426	3774620	1.60E-05	70YrCancerRMP_InhSoilDermMMilkCrops_FAH16to70	1.60E-05	0	0	0	0	0	0	0	0	0	0	0	0	0	0
343	ALL	UCART2	479463.2	3774735	1.60E-05	70YrCancerRMP_InhSoilDermMMilkCrops_FAH16to70	1.60E-05	0	0	0	0	0	0	0	0	0	0	0	0	0	0
363	ALL	UCART2	479444.6	3774754	1.61E-05	70YrCancerRMP_InhSoilDermMMilkCrops_FAH16to70	1.61E-05	0	0	0	0	0	0	0	0	0	0	0	0	0	0
362	ALL	UCART2	479426	3774754	1.61E-05	70YrCancerRMP_InhSoilDermMMilkCrops_FAH16to70	1.61E-05	0	0	0	0	0	0	0	0	0	0	0	0	0	0
324	ALL	UCART2	479500.4	3774716	1.61E-05	70YrCancerRMP_InhSoilDermMMilkCrops_FAH16to70	1.61E-05	0	0	0	0	0	0	0	0	0	0	0	0	0	0
241	ALL	UCART2	479518.9	3774639	1.62E-05	70YrCancerRMP_InhSoilDermMMilkCrops_FAH16to70	1.62E-05	0	0	0	0	0	0	0	0	0	0	0	0	0	0
258	ALL	UCART2	479444.6	3774658	1.63E-05	70YrCancerRMP_InhSoilDermMMilkCrops_FAH16to70	1.63E-05	0	0	0	0	0	0	0	0	0	0	0	0	0	0
149	ALL	UCART2	479370.2	3774562	1.63E-05	70YrCancerRMP_InhSoilDermMMilkCrops_FAH16to70	1.63E-05	0	0	0	0	0	0	0	0	0	0	0	0	0	0
193	ALL	UCART2	479407.4	3774600	1.63E-05	70YrCancerRMP_InhSoilDermMMilkCrops_FAH16to70	1.63E-05	0	0	0	0	0	0	0	0	0	0	0	0	0	0
304	ALL	UCART2	479518.9	3774697	1.63E-05	70YrCancerRMP_InhSoilDermMMilkCrops_FAH16to70	1.63E-05	0	0	0	0	0	0	0	0	0	0	0	0	0	0
320	ALL	UCART2	479426	3774716	1.64E-05	70YrCancerRMP_InhSoilDermMMilkCrops_FAH16to70	1.64E-05	0	0	0	0	0	0	0	0	0	0	0	0	0	0
341	ALL	UCART2	479426	3774735	1.64E-05	70YrCancerRMP_InhSoilDermMMilkCrops_FAH16to70	1.64E-05	0	0	0	0	0	0	0	0	0	0	0	0	0	0
236	ALL	UCART2	479426	3774639	1.64E-05	70YrCancerRMP_InhSoilDermMMilkCrops_FAH16to70	1.64E-05	0	0	0	0	0	0	0	0	0	0	0	0	0	0
171	ALL	UCART2	479388.8	3774581	1.64E-05	70YrCancerRMP_InhSoilDermMMilkCrops_FAH16to70	1.64E-05	0	0	0	0	0	0	0	0	0	0	0	0	0	0
381	ALL	UCART2	479388.8	3774774	1.64E-05	70YrCancerRMP_InhSoilDermMMilkCrops_FAH16to70	1.64E-05	0	0	0	0	0	0	0	0	0	0	0	0	0	0
262	ALL	UCART2	479518.9	3774658	1.65E-05	70YrCancerRMP_InhSoilDermMMilkCrops_FAH16to70	1.65E-05	0	0	0	0	0	0	0	0	0	0	0	0	0	0
283	ALL	UCART2	479518.9	3774677	1.65E-05	70YrCancerRMP_InhSoilDermMMilkCrops_FAH16to70	1.65E-05	0	0	0	0	0	0	0	0	0	0	0	0	0	0
401	ALL	UCART2	479370.2	3774793	1.65E-05	70YrCancerRMP_InhSoilDermMMilkCrops_FAH16to70	1.65E-05	0	0	0	0	0	0	0	0	0	0	0	0	0	0
261	ALL	UCART2	479500.4	3774658	1.66E-05	70YrCancerRMP_InhSoilDermMMilkCrops_FAH16to70	1.66E-05	0	0	0	0	0	0	0	0	0	0	0	0	0	0
280	ALL	UCART2	479463.2	3774677	1.67E-05	70YrCancerRMP_InhSoilDermMMilkCrops_FAH16to70	1.67E-05	0	0	0	0	0	0	0	0	0	0	0	0	0	0
361	ALL	UCART2	479407.4	3774754	1.68E-05	70YrCancerRMP_InhSoilDermMMilkCrops_FAH16to70	1.68E-05	0	0	0	0	0	0	0	0	0	0	0	0	0	0
257	ALL	UCART2	479426	3774658	1.68E-05	70YrCancerRMP_InhSoilDermMMilkCrops_FAH16to70	1.68E-05	0	0	0	0	0	0	0	0	0	0	0	0	0	0
282	ALL	UCART2	479500.4	3774677	1.68E-05	70YrCancerRMP_InhSoilDermMMilkCrops_FAH16to70	1.68E-05	0	0	0	0	0	0	0	0	0	0	0	0	0	0
340	ALL	UCART2	479407.4	3774735	1.69E-05	70YrCancerRMP_InhSoilDermMMilkCrops_FAH16to70	1.69E-05	0	0	0	0	0	0	0	0	0	0	0	0	0	0
281	ALL	UCART2	479481.8	3774677	1.69E-05	70YrCancerRMP_InhSoilDermMMilkCrops_FAH16to70	1.69E-05	0	0	0	0	0	0	0	0	0	0	0	0	0	0
303	ALL	UCART2	479500.4	3774697	1.69E-05	70YrCancerRMP_InhSoilDermMMilkCrops_FAH16to70	1.69E-05	0	0	0	0	0	0	0	0	0	0	0	0	0	0
214	ALL	UCART2	479407.4	3774620	1.70E-05	70YrCancerRMP_InhSoilDermMMilkCrops_FAH16to70	1.70E-05	0	0	0	0	0	0	0	0	0	0	0	0	0	0
302	ALL	UCART2	479481.8	3774697	1.71E-05	70YrCancerRMP_InhSoilDermMMilkCrops_FAH16to70	1.71E-05	0	0	0	0	0	0	0	0	0	0	0	0	0	0
148	ALL	UCART2	479351.6	3774562	1.71E-05	70YrCancerRMP_InhSoilDermMMilkCrops_FAH16to70	1.71E-05	0	0	0	0	0	0	0	0	0	0	0	0	0	0
279	ALL	UCART2	479444.6	3774677	1.72E-05	70YrCancerRMP_InhSoilDermMMilkCrops_FAH16to70	1.72E-05	0	0	0	0	0	0	0	0	0	0	0	0	0	0
278	ALL	UCART2	479426	3774677	1.72E-05	70YrCancerRMP_InhSoilDermMMilkCrops_FAH16to70	1.72E-05	0	0	0	0	0	0	0	0	0	0	0	0	0	0
192	ALL	UCART2	479388.8	3774600	1.73E-05	70YrCancerRMP_InhSoilDermMMilkCrops_FAH16to70	1.73E-05	0	0	0	0	0	0	0	0	0	0	0	0	0	0
400	ALL	UCART2	479351.6	3774793	1.73E-05	70YrCancerRMP_InhSoilDermMMilkCrops_FAH16to70	1.73E-05	0	0	0	0	0	0	0	0	0	0	0	0	0	0
319	ALL	UCART2	479407.4	3774716	1.73E-05	70YrCancerRMP_InhSoilDermMMilkCrops_FAH16to70	1.73E-05	0	0	0	0	0	0	0	0	0	0	0	0	0	0
380	ALL	UCART2	479370.2	3774774	1.73E-05	70YrCancerRMP_InhSoilDermMMilkCrops_FAH16to70	1.73E-05	0	0	0	0	0	0	0	0	0	0	0	0	0	0
170	ALL	UCART2	479370.2	3774581	1.73E-05	70YrCancerRMP_InhSoilDermMMilkCrops_FAH16to70	1.73E-05	0	0	0	0	0	0	0	0	0	0	0	0	0	0
299	ALL	UCART2	479426	3774697	1.73E-05	70YrCancerRMP_InhSoilDermMMilkCrops_FAH16to70	1.73E-05	0	0	0	0	0	0	0	0	0	0	0	0	0	0
360	ALL	UCART2	479388.8	3774754	1.74E-05	70YrCancerRMP_InhSoilDermMMilkCrops_FAH16to70	1.74E-05	0	0	0	0	0	0	0	0	0	0	0	0	0	0
235	ALL	UCART2	479407.4	3774639	1.74E-05	70YrCancerRMP_InhSoilDermMMilkCrops_FAH16to70	1.74E-05	0	0	0	0	0	0	0	0	0	0	0	0	0	0
300	ALL	UCART2	479444.6	3774697	1.74E-05	70YrCancerRMP_InhSoilDermMMilkCrops_FAH16to70	1.74E-05	0	0	0	0	0	0	0	0	0	0	0	0	0	0
301	ALL	UCART2	479463.2	3774697	1.76E-05	70YrCancerRMP_InhSoilDermMMilkCrops_FAH16to70	1.76E-05	0	0	0	0	0	0	0	0	0	0	0	0	0	0
256	ALL	UCART2	479407.4	3774658	1.77E-05	70YrCancerRMP_InhSoilDermMMilkCrops_FAH16to70	1.77E-05	0	0	0	0	0	0	0	0	0	0	0	0	0	0
298	ALL	UCART2	479407.4	3774697	1.78E-05	70YrCancerRMP_InhSoilDermMMilkCrops_FAH16to70	1.78E-05	0	0	0	0	0	0	0	0	0	0	0	0	0	0
339	ALL	UCART2	479388.8	3774735	1.79E-05	70YrCancerRMP_InhSoilDermMMilkCrops_FAH16to70	1.79E-05	0	0	0	0	0	0	0	0	0	0	0	0	0	0
277	ALL	UCART2	479407.4	3774677	1.79E-05	70YrCancerRMP_InhSoilDermMMilkCrops_FAH16to70	1.79E-05	0	0	0	0	0	0	0	0	0	0	0	0	0	0
213	ALL	UCART2	479388.8	3774620	1.80E-05	70YrCancerRMP_InhSoilDermMMilkCrops_FAH16to70	1.80E-05	0	0	0	0	0	0	0	0	0	0	0	0	0	0
191	ALL	UCART2	479370.2	3774600	1.83E-05	70YrCancerRMP_InhSoilDermMMilkCrops_FAH16to70	1.83E-05	0	0	0	0	0	0	0	0	0	0	0	0	0	0
359	ALL	UCART2	479370.2	3774754	1.83E-05	70YrCancerRMP_InhSoilDermMMilkCrops_FAH16to70	1.83E-05	0	0	0	0	0	0	0	0	0	0	0	0	0	0
169	ALL	UCART2	479351.6	3774581	1.83E-05	70YrCancerRMP_InhSoilDermMMilkCrops_FAH16to70	1.83E-05	0	0	0	0	0	0	0	0	0	0	0	0	0	0
379	ALL	UCART2	479351.6	3774774	1.84E-05	70YrCancerRMP_InhSoilDermMMilkCrops_FAH16to70	1.84E-05	0	0	0	0	0	0	0	0	0	0	0	0	0	0
318	ALL	UCART2	479388.8	3774716	1.84E-05	70YrCancerRMP_InhSoilDermMMilkCrops_FAH16to70	1.84E-05	0	0	0	0	0	0	0	0	0	0	0	0	0	0
234	ALL	UCART2	479388.8	3774639	1.85E-05	70YrCancerRMP_InhSoilDermMMilkCrops_FAH16to70	1.85E-05	0	0	0	0	0	0	0	0	0	0	0	0	0	0
297	ALL	UCART2	479388.8	3774697	1.88E-05	70YrCancerRMP_InhSoilDermMMilkCrops_FAH16to70	1.88E-05	0	0	0	0	0	0	0	0	0	0	0	0	0	0
255	ALL	UCART2	479388.8	3774658	1.88E-05	70YrCancerRMP_InhSoilDermMMilkCrops_FAH16to70	1.88E-05	0	0	0	0	0	0	0	0	0	0	0	0	0	0
276	ALL	UCART2	479388.8	3774677	1.89E-05	70YrCancerRMP_InhSoilDermMMilkCrops_FAH16to70	1.89E-05	0	0	0	0	0	0	0	0	0	0	0	0	0	0
338	ALL	UCART2	479370.2	3774735	1.90E-05	70YrCancerRMP_InhSoilDermMMilkCrops_FAH16to70	1.90E-05	0	0	0	0	0	0	0	0	0	0	0	0	0	0
212	ALL	UCART2	479370.2	3774620	1.91E-05	70YrCancerRMP_InhSoilDermMMilkCrops_FAH16to70	1.91E-05	0	0	0	0	0	0	0	0	0	0	0	0	0	0
465	ALL		478560.9	3774557	1.94E-05	70YrCancerRMP_InhSoilDermMMilkCrops_FAH16to70	1.94E-05	0	0	0	0	0	0	0	0	0	0	0	0	0	0
190	ALL	UCART2	479351.6	3774600	1.94E-05	70YrCancerRMP_InhSoilDermMMilkCrops_FAH16to70	1.94E-05	0	0	0	0	0	0	0	0	0	0	0	0	0	0
358	ALL	UCART2	479351.6	3774754	1.94E-05	70YrCancerRMP_InhSoilDermMMilkCrops_FAH16to70	1.94E-05	0	0	0	0	0	0	0	0	0	0	0	0	0	0
317	ALL	UCART2	479370.2	3774716	1.97E-05	70YrCancerRMP_InhSoilDermMMilkCrops_FAH16to70	1.97E-05	0	0	0	0	0	0	0	0	0	0	0	0	0	0
233	ALL	UCART2	479370.2	3774639	1.97E-05	70YrCancerRMP_InhSoilDermMMilkCrops_FAH16to70	1.97E-05	0	0	0	0	0	0	0	0	0	0	0	0	0	0
296	ALL	UCART2	479370.2	3774697	2.01E-05	70YrCancerRMP_InhSoilDermMMilkCrops_FAH16to70	2.01E-05	0	0	0	0	0	0	0	0	0	0	0	0	0	0
254	ALL	UCART2	479370.2	3774658	2.01E-05	70YrCancerRMP_InhSoilDermMMilkCrops_FAH16to70	2.01E-05	0	0	0	0	0	0	0	0	0	0	0	0	0	0
275	ALL	UCART2	479370.2	3774677	2.02E-05	70YrCancerRMP_InhSoilDermMMilkCrops_FAH16to70	2.02E-05	0	0	0	0	0	0	0	0	0	0	0	0	0	0
211	ALL	UCART2	479351.6	3774620	2.03E-05	70YrCancerRMP_InhSoilDermMMilkCrops_FAH16to70	2.03E-05	0	0	0	0	0	0	0	0	0	0	0	0	0	0
337	ALL	UCART2	479351.6	3774735	2.03E-05	70YrCancerRMP_InhSoilDermMMilkCrops_FAH16to70	2.03E-05	0	0	0	0	0	0	0	0	0	0	0	0	0	0
464	ALL		478578.4	3774555	2.09E-05	70YrCancerRMP_InhSoilDermMMilkCrops_FAH16to70	2.09E-05	0	0	0	0	0	0	0	0	0	0	0	0	0	0
463	ALL		478574.2	3774625	2.10E-05	70YrCancerRMP_InhSoilDermMMilkCrops_FAH16to70	2.10E-05	0	0	0	0	0	0	0	0	0	0	0	0	0	0
232	ALL	UCART2	479351.6	3774639	2.10E-05	70YrCancerRMP_InhSoilDermMMilkCrops_FAH16to70	2.10E-05	0	0	0	0	0	0	0	0	0	0	0	0	0	0
316	ALL	UCART2	479351.6	3774716	2.10E-05	70YrCancerRMP_InhSoilDermMMilkCrops_FAH16to70	2.10E-05	0	0	0	0	0	0	0	0	0	0	0	0	0	0
253	ALL	UCART2	479351.6	3774658	2.15E-05	70YrCancerRMP_InhSoilDermMMilkCrops_FAH16to70	2.15E-05	0	0	0	0	0	0	0	0	0	0	0	0	0	0
295	ALL	UCART2	479351.6	3774697	2.15E-05	70YrCancerRMP_InhSoilDermMMilkCrops_FAH16to70	2.15E-05	0	0	0	0	0	0	0	0	0	0	0	0	0	0
274	ALL	UCART2	479351.6	3774677	2.16E-05	70YrCancerRMP_InhSoilDermMMilkCrops_FAH16to70	2.16E-05	0	0	0	0	0	0	0	0	0	0	0	0	0	0
454	ALL		478645.9	3774799	2.29E-05	70YrCancerRMP_InhSoilDermMMilkCrops_FAH16to70	2.29E-05	0	0	0	0	0	0	0	0	0	0	0	0	0	0

462	ALL	478594.1	3774618	2.34E-05	70YrCancerRMP_InhSoilDermMMilkCrops_FAH16to70	2.34E-05	0	0	0	0	0	0	0	0	0	0	0
461	ALL	478607.9	3774576	2.47E-05	70YrCancerRMP_InhSoilDermMMilkCrops_FAH16to70	2.47E-05	0	0	0	0	0	0	0	0	0	0	0
455	ALL	478663	3774798	2.53E-05	70YrCancerRMP_InhSoilDermMMilkCrops_FAH16to70	2.53E-05	0	0	0	0	0	0	0	0	0	0	0
477	ALL	478614.7	3774575	2.56E-05	70YrCancerRMP_InhSoilDermMMilkCrops_FAH16to70	2.56E-05	0	0	0	0	0	0	0	0	0	0	0
475	ALL	478747.6	3774452	2.65E-05	70YrCancerRMP_InhSoilDermMMilkCrops_FAH16to70	2.65E-05	0	0	0	0	0	0	0	0	0	0	0
456	ALL	478680.5	3774798	2.82E-05	70YrCancerRMP_InhSoilDermMMilkCrops_FAH16to70	2.82E-05	0	0	0	0	0	0	0	0	0	0	0
474	ALL	478819.2	3774451	2.89E-05	70YrCancerRMP_InhSoilDermMMilkCrops_FAH16to70	2.89E-05	0	0	0	0	0	0	0	0	0	0	0
453	ALL	478705.7	3774795	3.36E-05	70YrCancerRMP_InhSoilDermMMilkCrops_FAH16to70	3.36E-05	0	0	0	0	0	0	0	0	0	0	0
458	ALL	478665.8	3774572	3.37E-05	70YrCancerRMP_InhSoilDermMMilkCrops_FAH16to70	3.37E-05	0	0	0	0	0	0	0	0	0	0	0
476	ALL	478748.2	3774492	3.39E-05	70YrCancerRMP_InhSoilDermMMilkCrops_FAH16to70	3.39E-05	0	0	0	0	0	0	0	0	0	0	0
459	ALL	478678.6	3774582	3.72E-05	70YrCancerRMP_InhSoilDermMMilkCrops_FAH16to70	3.72E-05	0	0	0	0	0	0	0	0	0	0	0
457	ALL	478678.6	3774610	3.93E-05	70YrCancerRMP_InhSoilDermMMilkCrops_FAH16to70	3.93E-05	0	0	0	0	0	0	0	0	0	0	0
452	ALL	478738.5	3774783	4.57E-05	70YrCancerRMP_InhSoilDermMMilkCrops_FAH16to70	4.57E-05	0	0	0	0	0	0	0	0	0	0	0
473	ALL	478790.2	3774521	4.71E-05	70YrCancerRMP_InhSoilDermMMilkCrops_FAH16to70	4.71E-05	0	0	0	0	0	0	0	0	0	0	0
450	ALL	478752.2	3774769	5.56E-05	70YrCancerRMP_InhSoilDermMMilkCrops_FAH16to70	5.56E-05	0	0	0	0	0	0	0	0	0	0	0
451	ALL	478771.7	3774790	5.82E-05	70YrCancerRMP_InhSoilDermMMilkCrops_FAH16to70	5.82E-05	0	0	0	0	0	0	0	0	0	0	0
460	ALL	478807.8	3774553	6.60E-05	70YrCancerRMP_InhSoilDermMMilkCrops_FAH16to70	6.60E-05	0	0	0	0	0	0	0	0	0	0	0
444	ALL	478814.6	3774785	9.37E-05	70YrCancerRMP_InhSoilDermMMilkCrops_FAH16to70	9.37E-05	0	0	0	0	0	0	0	0	0	0	0
446	ALL	478807	3774605	0.00011187	70YrCancerRMP_InhSoilDermMMilkCrops_FAH16to70	0.00011187	0	0	0	0	0	0	0	0	0	0	0
443	ALL	478811.8	3774766	0.0001134	70YrCancerRMP_InhSoilDermMMilkCrops_FAH16to70	0.0001134	0	0	0	0	0	0	0	0	0	0	0
449	ALL	478795.4	3774662	0.00014069	70YrCancerRMP_InhSoilDermMMilkCrops_FAH16to70	0.00014069	0	0	0	0	0	0	0	0	0	0	0
468	ALL	478904.7	3774797	0.00014079	70YrCancerRMP_InhSoilDermMMilkCrops_FAH16to70	0.00014079	0	0	0	0	0	0	0	0	0	0	0
469	ALL	478940.9	3774789	0.00015812	70YrCancerRMP_InhSoilDermMMilkCrops_FAH16to70	0.00015812	0	0	0	0	0	0	0	0	0	0	0
448	ALL	478810.8	3774653	0.00017606	70YrCancerRMP_InhSoilDermMMilkCrops_FAH16to70	0.00017606	0	0	0	0	0	0	0	0	0	0	0
470	ALL	479027.6	3774727	0.00018298	70YrCancerRMP_InhSoilDermMMilkCrops_FAH16to70	0.00018298	0	0	0	0	0	0	0	0	0	0	0
447	ALL	478809.1	3774676	0.00018401	70YrCancerRMP_InhSoilDermMMilkCrops_FAH16to70	0.00018401	0	0	0	0	0	0	0	0	0	0	0
442	ALL	478816.7	3774688	0.00021615	70YrCancerRMP_InhSoilDermMMilkCrops_FAH16to70	0.00021615	0	0	0	0	0	0	0	0	0	0	0
445	ALL	478859.9	3774618	0.00023065	70YrCancerRMP_InhSoilDermMMilkCrops_FAH16to70	0.00023065	0	0	0	0	0	0	0	0	0	0	0

**HARP - Air Dispersion Modeling and Risk Tool v22118
**11/28/2022
**Exported Risk Results

REC	GRP	NETID	X	Y	SCENARIO	CV	CNS	IMMUN	KIDNEY	GILV	REPRO/DE	RESP	SKIN	EYE	BONE/TEE	ENDO	BLOOD	ODOR	GENERAL	MAXHI
21	ALL	UCART2	479723.4	3774427	NonCancerChronicHighEnd_InhSoilDermMMilkCrops	0	0	0	0	0	0	0.0016432	0	0	0	0	0	0	0	0.001643
20	ALL	UCART2	479704.8	3774427	NonCancerChronicHighEnd_InhSoilDermMMilkCrops	0	0	0	0	0	0	0.0016705	0	0	0	0	0	0	0	0.001671
19	ALL	UCART2	479686.3	3774427	NonCancerChronicHighEnd_InhSoilDermMMilkCrops	0	0	0	0	0	0	0.0016958	0	0	0	0	0	0	0	0.001696
18	ALL	UCART2	479667.7	3774427	NonCancerChronicHighEnd_InhSoilDermMMilkCrops	0	0	0	0	0	0	0.0017217	0	0	0	0	0	0	0	0.001722
17	ALL	UCART2	479649.1	3774427	NonCancerChronicHighEnd_InhSoilDermMMilkCrops	0	0	0	0	0	0	0.0017507	0	0	0	0	0	0	0	0.001751
42	ALL	UCART2	479723.4	3774447	NonCancerChronicHighEnd_InhSoilDermMMilkCrops	0	0	0	0	0	0	0.0017611	0	0	0	0	0	0	0	0.001761
16	ALL	UCART2	479630.5	3774427	NonCancerChronicHighEnd_InhSoilDermMMilkCrops	0	0	0	0	0	0	0.0017779	0	0	0	0	0	0	0	0.001778
41	ALL	UCART2	479704.8	3774447	NonCancerChronicHighEnd_InhSoilDermMMilkCrops	0	0	0	0	0	0	0.0017933	0	0	0	0	0	0	0	0.001793
15	ALL	UCART2	479611.9	3774427	NonCancerChronicHighEnd_InhSoilDermMMilkCrops	0	0	0	0	0	0	0.0018082	0	0	0	0	0	0	0	0.001808
40	ALL	UCART2	479686.3	3774447	NonCancerChronicHighEnd_InhSoilDermMMilkCrops	0	0	0	0	0	0	0.0018232	0	0	0	0	0	0	0	0.001823
14	ALL	UCART2	479593.3	3774427	NonCancerChronicHighEnd_InhSoilDermMMilkCrops	0	0	0	0	0	0	0.0018369	0	0	0	0	0	0	0	0.001837
39	ALL	UCART2	479667.7	3774447	NonCancerChronicHighEnd_InhSoilDermMMilkCrops	0	0	0	0	0	0	0.0018539	0	0	0	0	0	0	0	0.001854
13	ALL	UCART2	479574.7	3774427	NonCancerChronicHighEnd_InhSoilDermMMilkCrops	0	0	0	0	0	0	0.0018681	0	0	0	0	0	0	0	0.001868
63	ALL	UCART2	479723.4	3774466	NonCancerChronicHighEnd_InhSoilDermMMilkCrops	0	0	0	0	0	0	0.0018694	0	0	0	0	0	0	0	0.001869
38	ALL	UCART2	479649.1	3774447	NonCancerChronicHighEnd_InhSoilDermMMilkCrops	0	0	0	0	0	0	0.0018853	0	0	0	0	0	0	0	0.001885
12	ALL	UCART2	479556.1	3774427	NonCancerChronicHighEnd_InhSoilDermMMilkCrops	0	0	0	0	0	0	0.0019001	0	0	0	0	0	0	0	0.0019
62	ALL	UCART2	479704.8	3774466	NonCancerChronicHighEnd_InhSoilDermMMilkCrops	0	0	0	0	0	0	0.001907	0	0	0	0	0	0	0	0.001907
37	ALL	UCART2	479630.5	3774447	NonCancerChronicHighEnd_InhSoilDermMMilkCrops	0	0	0	0	0	0	0.0019206	0	0	0	0	0	0	0	0.001921
11	ALL	UCART2	479537.5	3774427	NonCancerChronicHighEnd_InhSoilDermMMilkCrops	0	0	0	0	0	0	0.0019281	0	0	0	0	0	0	0	0.001928
61	ALL	UCART2	479686.3	3774466	NonCancerChronicHighEnd_InhSoilDermMMilkCrops	0	0	0	0	0	0	0.0019457	0	0	0	0	0	0	0	0.001946
36	ALL	UCART2	479611.9	3774447	NonCancerChronicHighEnd_InhSoilDermMMilkCrops	0	0	0	0	0	0	0.0019537	0	0	0	0	0	0	0	0.001954
10	ALL	UCART2	479518.9	3774427	NonCancerChronicHighEnd_InhSoilDermMMilkCrops	0	0	0	0	0	0	0.0019563	0	0	0	0	0	0	0	0.001956
9	ALL	UCART2	479500.4	3774427	NonCancerChronicHighEnd_InhSoilDermMMilkCrops	0	0	0	0	0	0	0.0019698	0	0	0	0	0	0	0	0.00197
84	ALL	UCART2	479723.4	3774485	NonCancerChronicHighEnd_InhSoilDermMMilkCrops	0	0	0	0	0	0	0.0019753	0	0	0	0	0	0	0	0.001975
441	ALL	UCART2	479723.4	3774812	NonCancerChronicHighEnd_InhSoilDermMMilkCrops	0	0	0	0	0	0	0.0019808	0	0	0	0	0	0	0	0.001981
60	ALL	UCART2	479667.7	3774466	NonCancerChronicHighEnd_InhSoilDermMMilkCrops	0	0	0	0	0	0	0.0019854	0	0	0	0	0	0	0	0.001985
35	ALL	UCART2	479593.3	3774447	NonCancerChronicHighEnd_InhSoilDermMMilkCrops	0	0	0	0	0	0	0.0019908	0	0	0	0	0	0	0	0.001991
8	ALL	UCART2	479481.8	3774427	NonCancerChronicHighEnd_InhSoilDermMMilkCrops	0	0	0	0	0	0	0.0019955	0	0	0	0	0	0	0	0.001996
7	ALL	UCART2	479463.2	3774427	NonCancerChronicHighEnd_InhSoilDermMMilkCrops	0	0	0	0	0	0	0.0020185	0	0	0	0	0	0	0	0.002019
83	ALL	UCART2	479704.8	3774485	NonCancerChronicHighEnd_InhSoilDermMMilkCrops	0	0	0	0	0	0	0.0020188	0	0	0	0	0	0	0	0.002019
59	ALL	UCART2	479649.1	3774466	NonCancerChronicHighEnd_InhSoilDermMMilkCrops	0	0	0	0	0	0	0.0020225	0	0	0	0	0	0	0	0.002023
34	ALL	UCART2	479574.7	3774447	NonCancerChronicHighEnd_InhSoilDermMMilkCrops	0	0	0	0	0	0	0.0020288	0	0	0	0	0	0	0	0.002029
440	ALL	UCART2	479704.8	3774812	NonCancerChronicHighEnd_InhSoilDermMMilkCrops	0	0	0	0	0	0	0.0020383	0	0	0	0	0	0	0	0.002038
6	ALL	UCART2	479444.6	3774427	NonCancerChronicHighEnd_InhSoilDermMMilkCrops	0	0	0	0	0	0	0.0020432	0	0	0	0	0	0	0	0.002043
82	ALL	UCART2	479686.3	3774485	NonCancerChronicHighEnd_InhSoilDermMMilkCrops	0	0	0	0	0	0	0.0020637	0	0	0	0	0	0	0	0.002064
33	ALL	UCART2	479556.1	3774447	NonCancerChronicHighEnd_InhSoilDermMMilkCrops	0	0	0	0	0	0	0.002064	0	0	0	0	0	0	0	0.002064
58	ALL	UCART2	479630.5	3774466	NonCancerChronicHighEnd_InhSoilDermMMilkCrops	0	0	0	0	0	0	0.0020682	0	0	0	0	0	0	0	0.002068
5	ALL	UCART2	479426	3774427	NonCancerChronicHighEnd_InhSoilDermMMilkCrops	0	0	0	0	0	0	0.0020829	0	0	0	0	0	0	0	0.002083
105	ALL	UCART2	479723.4	3774504	NonCancerChronicHighEnd_InhSoilDermMMilkCrops	0	0	0	0	0	0	0.0020866	0	0	0	0	0	0	0	0.002087
439	ALL	UCART2	479686.3	3774812	NonCancerChronicHighEnd_InhSoilDermMMilkCrops	0	0	0	0	0	0	0.0020963	0	0	0	0	0	0	0	0.002096
32	ALL	UCART2	479537.5	3774447	NonCancerChronicHighEnd_InhSoilDermMMilkCrops	0	0	0	0	0	0	0.002098	0	0	0	0	0	0	0	0.002098
420	ALL	UCART2	479723.4	3774793	NonCancerChronicHighEnd_InhSoilDermMMilkCrops	0	0	0	0	0	0	0.0021049	0	0	0	0	0	0	0	0.002105
57	ALL	UCART2	479611.9	3774466	NonCancerChronicHighEnd_InhSoilDermMMilkCrops	0	0	0	0	0	0	0.0021076	0	0	0	0	0	0	0	0.002108
81	ALL	UCART2	479667.7	3774485	NonCancerChronicHighEnd_InhSoilDermMMilkCrops	0	0	0	0	0	0	0.0021146	0	0	0	0	0	0	0	0.002115
4	ALL	UCART2	479407.4	3774427	NonCancerChronicHighEnd_InhSoilDermMMilkCrops	0	0	0	0	0	0	0.0021302	0	0	0	0	0	0	0	0.00213
104	ALL	UCART2	479704.8	3774504	NonCancerChronicHighEnd_InhSoilDermMMilkCrops	0	0	0	0	0	0	0.0021364	0	0	0	0	0	0	0	0.002136
31	ALL	UCART2	479518.9	3774447	NonCancerChronicHighEnd_InhSoilDermMMilkCrops	0	0	0	0	0	0	0.0021367	0	0	0	0	0	0	0	0.002137
56	ALL	UCART2	479593.3	3774466	NonCancerChronicHighEnd_InhSoilDermMMilkCrops	0	0	0	0	0	0	0.0021481	0	0	0	0	0	0	0	0.002148
30	ALL	UCART2	479500.4	3774447	NonCancerChronicHighEnd_InhSoilDermMMilkCrops	0	0	0	0	0	0	0.0021542	0	0	0	0	0	0	0	0.002154
29	ALL	UCART2	479481.8	3774447	NonCancerChronicHighEnd_InhSoilDermMMilkCrops	0	0	0	0	0	0	0.0021571	0	0	0	0	0	0	0	0.002157
438	ALL	UCART2	479667.7	3774812	NonCancerChronicHighEnd_InhSoilDermMMilkCrops	0	0	0	0	0	0	0.0021599	0	0	0	0	0	0	0	0.00216
80	ALL	UCART2	479649.1	3774485	NonCancerChronicHighEnd_InhSoilDermMMilkCrops	0	0	0	0	0	0	0.0021625	0	0	0	0	0	0	0	0.002163
419	ALL	UCART2	479704.8	3774793	NonCancerChronicHighEnd_InhSoilDermMMilkCrops	0	0	0	0	0	0	0.0021689	0	0	0	0	0	0	0	0.002169
103	ALL	UCART2	479686.3	3774504	NonCancerChronicHighEnd_InhSoilDermMMilkCrops	0	0	0	0	0	0	0.0021828	0	0	0	0	0	0	0	0.002183
126	ALL	UCART2	479723.4	3774524	NonCancerChronicHighEnd_InhSoilDermMMilkCrops	0	0	0	0	0	0	0.0021932	0	0	0	0	0	0	0	0.002193
55	ALL	UCART2	479574.7	3774466	NonCancerChronicHighEnd_InhSoilDermMMilkCrops	0	0	0	0	0	0	0.0021937	0	0	0	0	0	0	0	0.002194
3	ALL	UCART2	479388.8	3774427	NonCancerChronicHighEnd_InhSoilDermMMilkCrops	0	0	0	0	0	0	0.002194	0	0	0	0	0	0	0	0.002194
28	ALL	UCART2	479463.2	3774447	NonCancerChronicHighEnd_InhSoilDermMMilkCrops	0	0	0	0	0	0	0.0021967	0	0	0	0	0	0	0	0.002197
79	ALL	UCART2	479630.5	3774485	NonCancerChronicHighEnd_InhSoilDermMMilkCrops	0	0	0	0	0	0	0.002212	0	0	0	0	0	0	0	0.002212
399	ALL	UCART2	479723.4	3774774	NonCancerChronicHighEnd_InhSoilDermMMilkCrops	0	0	0	0	0	0	0.0022178	0	0	0	0	0	0	0	0.002218
437	ALL	UCART2	479649.1	3774812	NonCancerChronicHighEnd_InhSoilDermMMilkCrops	0	0	0	0	0	0	0.0022242	0	0	0	0	0	0	0	0.002224
54	ALL	UCART2	479556.1	3774466	NonCancerChronicHighEnd_InhSoilDermMMilkCrops	0	0	0	0	0	0	0.0022356	0	0	0	0	0	0	0	0.002236
418	ALL	UCART2	479686.3	3774793	NonCancerChronicHighEnd_InhSoilDermMMilkCrops	0	0	0	0	0	0	0.0022364	0	0	0	0	0	0	0	0.002236
27	ALL	UCART2	479444.6	3774447	NonCancerChronicHighEnd_InhSoilDermMMilkCrops	0	0	0	0	0	0	0.0022382	0	0	0	0	0	0	0	0.002238
102	ALL	UCART2	479667.7	3774504	NonCancerChronicHighEnd_InhSoilDermMMilkCrops	0	0	0	0	0	0	0.0022416	0	0	0	0	0	0	0	0.002242
125	ALL	UCART2	479704.8	3774524	NonCancerChronicHighEnd_InhSoilDermMMilkCrops	0	0	0	0	0	0	0.0022437	0	0	0	0	0	0	0	0.002244
2	ALL	UCART2	479370.2	3774427	NonCancerChronicHighEnd_InhSoilDermMMilkCrops	0	0	0	0	0	0	0.0022634	0	0	0	0	0	0	0	0.002263
26	ALL	UCART2	479426	3774447	NonCancerChronicHighEnd_InhSoilDermMMilkCrops	0	0	0	0	0	0	0.0022653	0	0	0	0	0	0	0	0.002265
78	ALL	UCART2	479611.9	3774485	NonCancerChronicHighEnd_InhSoilDermMMilkCrops	0	0	0	0	0	0	0.0022675	0	0	0	0	0	0	0	0.002268
53	ALL	UCART2	479537.5	3774466	NonCancerChronicHighEnd_InhSoilDermMMilkCrops	0	0	0	0	0	0	0.0022822	0	0	0	0	0	0	0	0.002282
398	ALL	UCART2	479704.8	3774774	NonCancerChronicHighEnd_InhSoilDermMMilkCrops	0	0	0	0	0	0	0.0022837	0	0	0	0	0	0	0	0.002284
436	ALL	UCART2	479630.5	3774812	NonCancerChronicHighEnd_InhSoilDermMMilkCrops	0	0	0	0	0	0	0.0022948	0	0	0	0	0	0	0	0.002295
101	ALL	UCART2	479649.1	3774504	NonCancerChronicHighEnd_InhSoilDermMMilkCrops	0	0	0	0	0	0	0.0022971	0	0	0	0	0	0	0	0.002297
147	ALL	UCART2	479723.4	3774543	NonCancerChronicHighEnd_InhSoilDermMMilkCrops	0	0	0	0	0	0	0.0022984	0	0	0	0	0	0	0	0.002298
124	ALL	UCART2	479686.3	3774524	NonCancerChronicHighEnd_InhSoilDermMMilkCrops	0	0	0	0	0	0	0.0023022	0	0	0	0	0	0	0	0.002302
417	ALL	UCART2	479667.7	3774793	NonCancerChronicHighEnd_InhSoilDermMMilkCrops	0	0	0	0	0	0	0.0023041	0	0	0	0	0	0	0	0.002304
25	ALL	UCART2	479407.4	3774447	NonCancerChronicHighEnd_InhSoilDermMMilkCrops	0	0	0	0	0	0	0.0023112	0	0	0	0	0	0	0	0.002311
77	ALL	UCART2	479593.3	3774485	NonCancerChronicHighEnd_InhSoilDermMMilkCrops	0	0	0	0	0	0	0.0023157	0	0	0	0	0	0	0	0.002316
52	ALL	UCART2	479518.9	3774466	NonCancerChronicHighEnd_InhSoilDermMMilkCrops	0	0	0	0	0	0	0.0023206	0	0	0	0	0	0	0	0.002321
378	ALL	UCART2	479723.4	3774754	NonCancerChronicHighEnd_InhSoilDermMMilkCrops	0	0	0	0	0	0	0.0023283	0	0	0	0	0	0	0	0.002328
50	ALL	UCART2	479481.8	3774466	NonCancerChronicHighEnd_InhSoilDermMMilkCrops	0	0	0	0	0	0	0.0023312	0	0	0	0	0	0	0	0.002331
51	ALL	UCART2	479500.4	3774466	NonCancerChronicHighEnd_InhSoilDermMMilkCrops	0	0	0	0	0	0	0.0023361	0	0	0	0	0	0	0	0.002336
1	ALL	UCART2	479351.6	3774427	NonCancerChronicHighEnd_InhSoilDermMMilkCrops	0	0	0	0	0	0	0.0023365	0	0	0	0	0	0	0	0.002337
49	ALL	UCART2	479463.2	3774466	NonCancerChronicHighEnd_InhSoilDermMMilkCrops	0	0	0	0	0	0	0.0023486	0	0	0	0	0	0	0	0.002349
100	ALL	UCART2	479630.5	3774504	NonCancerChronicHighEnd_InhSoilDermMMilkCrops	0	0	0	0	0	0	0.0023547	0	0	0	0	0	0	0	0.002355
146	ALL	UCART2	479704.8	3774543	NonCancerChronicHighEnd_InhSoilDermMMilkCrops	0	0	0	0	0	0	0.002355	0	0	0	0	0	0	0	0.002355
397	ALL	UCART2	479686.3	3774774	NonCancerChronicHighEnd_InhSoilDermMMilkCrops	0	0	0	0	0	0	0.0023578	0	0	0	0	0	0	0	0.002358
123	ALL	UCART2	479667.7	3774524	NonCancerChronicHighEnd_InhSoilDermMMilkCrops	0	0	0	0	0	0	0.002363	0	0	0	0	0	0	0	0.002363
24	ALL	UCART2	479388.8	3774447	NonCancerChronicHighEnd_InhSoilDermMMilkCrops	0	0	0	0	0	0	0.0023665	0	0	0	0	0	0	0	0.002367
435	ALL	UCART2	479611.9	3774812	NonCancerChronicHighEnd_InhSoilDermMMilkCrops	0	0	0	0	0	0	0.0023666	0	0	0	0	0	0	0	0.002367
76	ALL	UCART2	479574.7	3774485	NonCancerChronicHighEnd_InhSoilDermMMilkCrops	0	0	0	0	0	0	0.0023701	0	0	0	0	0	0	0	0.00237
416	ALL	UCART2	479649.1	3774793	NonCancerChronicHighEnd_InhSoilDermMMilkCrops	0	0	0	0	0	0	0.0023792	0	0	0	0	0	0	0	0.002379
168	ALL	UCART2	479723.4	3774562	NonCancerChronicHighEnd_InhSoilDermMMilkCrops	0	0	0	0	0	0	0.0023875	0	0	0	0	0	0	0	0.002388
48	ALL	UCART2	479444.6	3774466	NonCancerChronicHighEnd_InhSoilDermMMilkCrops	0	0	0	0	0	0	0.002396	0	0	0	0	0	0	0	0.002396
377	ALL	UCART2	479704.8	3774754	NonCancerChronicHighEnd_InhSoilDermMMilkCrops	0	0	0	0	0	0	0.0024044	0	0	0	0	0	0	0	0.002404
47	ALL	UCART2	479426	3774466	NonCancerChronicHighEnd_InhSoilDermMMilkCrops	0	0	0	0	0	0	0.002414	0	0	0	0	0	0	0	0.002414
99	ALL	UCART2	479611.9	3774504	NonCancerChronicHighEnd_InhSoilDermMMilkCrops	0	0	0	0	0	0	0.0024199	0	0	0	0	0	0	0	0.00242
75	ALL	UCART2	479556.1	3774485	NonCancerChronicHighEnd_InhSoilDermMMilkCrops	0	0	0	0	0	0	0.0024217	0	0	0	0	0	0	0	0.002422
357	ALL	UCART2	479723.4	3774735	NonCancerChronicHighEnd_InhSoilDermMMilkCrops	0	0	0	0	0	0	0.0024263	0	0	0	0	0	0	0	0.002426
122	ALL	UCART2	479649.1	3774524	NonCancerChronicHighEnd_InhSoilDermMMilkCrops	0	0	0	0	0	0	0.0024265	0	0	0	0	0	0	0	0.002427
145	ALL	UCART2	479686.3	3774543	NonCancerChronicHighEnd_InhSoilDermMMilkCrops	0	0	0	0	0	0	0.0024271	0	0	0	0	0	0	0	0.002427
396	ALL	UCART2	479667.7	3774774	NonCancerChronicHighEnd_InhSoilDermMMilkCrops	0	0	0	0	0	0	0.0024314	0	0	0	0	0	0	0	0.002431
23	ALL	UCART2	479370.2	3774447	NonCancerChronicHighEnd_InhSoilDermMMilkCrops	0	0	0	0	0	0	0.0024437	0	0	0	0	0	0	0	0.002444
434	ALL	UCART2	479593.3	3774812	NonCancerChronicHighEnd_InhSoilDermMMilkCrops	0	0	0	0	0	0	0.0024454	0	0	0	0	0	0	0	0.002445
167	ALL	UCART2	479704.8	3774562	NonCancerChronicHighEnd_InhSoilDermMMilkCrops	0	0	0	0	0	0	0.0024567	0	0	0	0	0	0	0	0.002457
415	ALL	UCART2	479630.5	3774793	NonCancerChronicHighEnd_InhSoilDermMMilkCrops	0	0	0	0	0	0	0.0024587	0	0	0	0	0	0	0	0.002459
189	ALL	UCART2	479723.4	3774581	NonCancerChronicHighEnd_InhSoilDermMMilkCrops	0	0	0	0	0	0	0.0024703	0	0	0	0	0	0	0	0.00247
74	ALL	UCART2	479537.5	3774485	NonCancerChronicHighEnd_InhSoilDermMMilkCrops	0	0	0	0	0	0	0.0024708	0	0	0	0	0	0	0	0.002471
98	ALL	UCART2	479593.3	3774504	NonCancerChronicHighEnd_InhSoilDermMMilkCrops	0	0	0	0	0	0	0.0024764	0	0	0	0	0	0	0	0.002476
71	ALL	UCART2	479481.8	3774485	NonCancerChronicHighEnd_InhSoilDermMMilkCrops	0	0	0	0	0	0	0.0024835	0	0	0	0	0	0	0	0.002484
376	ALL	UCART2	479686.3	3774754	NonCancerChronicHighEnd_InhSoilDermMMilkCrops	0	0	0	0	0	0	0.002485	0	0	0	0	0	0	0	0.002485
46	ALL	UCART2	479407.4	3774466	NonCancerChronicHighEnd_InhSoilDermMMilkCrops	0	0	0	0	0	0	0.0024854	0	0	0	0	0	0	0	0.002485
121	ALL	UCART2	479630.5	3774524	NonCancerChronicHighEnd_InhSoilDermMMilkCrops	0	0	0	0	0	0	0.0024926	0	0	0	0	0	0	0	0.002493
70	ALL	UCART2	479463.2	3774485	NonCancerChronicHighEnd_InhSoilDermMMilkCrops	0	0	0	0	0	0	0.0024991	0	0	0	0	0	0	0	0.002499
336	ALL	UCART2	479723.4	3774716	NonCancerChronicHighEnd_InhSoilDermMMilkCrops	0	0	0	0	0	0	0.0025088	0	0	0	0	0	0	0	0.002509
144	ALL	UCART2	479667.7	3774543	NonCancerChronicHighEnd_InhSoilDermMMilkCrops	0	0	0	0	0	0	0.002509	0	0	0	0	0	0	0	0.002509
69	ALL	UCART2	479444.6	3774485	NonCancerChronicHighEnd_InhSoilDermMMilkCrops	0	0	0	0	0	0	0.0025099	0	0	0	0	0	0	0	0.00251
356	ALL	UCART2	479704.8	3774735	NonCancerChronicHighEnd_InhSoilDermMMilkCrops	0	0	0	0	0	0	0.0025134	0	0	0	0	0	0	0	0.002513
73	ALL	UCART2	479518.9	3774485	NonCancerChronicHighEnd_InhSoilDermMMilkCrops	0	0	0	0	0	0	0.0025149	0	0	0	0	0	0	0	0.002515

395	ALL	UCART2	479649.1	3774774	NonCancerChronicHighEnd_InhSoilDermMMilkCrops	0	0	0	0	0	0	0.002519	0	0	0	0	0	0	0	0.002519
22	ALL	UCART2	479351.6	3774447	NonCancerChronicHighEnd_InhSoilDermMMilkCrops	0	0	0	0	0	0	0.0025258	0	0	0	0	0	0	0	0.002526
433	ALL	UCART2	479574.7	3774812	NonCancerChronicHighEnd_InhSoilDermMMilkCrops	0	0	0	0	0	0	0.002526	0	0	0	0	0	0	0	0.002526
72	ALL	UCART2	479500.4	3774485	NonCancerChronicHighEnd_InhSoilDermMMilkCrops	0	0	0	0	0	0	0.0025287	0	0	0	0	0	0	0	0.002529
166	ALL	UCART2	479686.3	3774562	NonCancerChronicHighEnd_InhSoilDermMMilkCrops	0	0	0	0	0	0	0.0025364	0	0	0	0	0	0	0	0.002536
210	ALL	UCART2	479723.4	3774600	NonCancerChronicHighEnd_InhSoilDermMMilkCrops	0	0	0	0	0	0	0.0025377	0	0	0	0	0	0	0	0.002538
414	ALL	UCART2	479611.9	3774793	NonCancerChronicHighEnd_InhSoilDermMMilkCrops	0	0	0	0	0	0	0.0025389	0	0	0	0	0	0	0	0.002539
97	ALL	UCART2	479574.7	3774504	NonCancerChronicHighEnd_InhSoilDermMMilkCrops	0	0	0	0	0	0	0.0025408	0	0	0	0	0	0	0	0.002541
188	ALL	UCART2	479704.8	3774581	NonCancerChronicHighEnd_InhSoilDermMMilkCrops	0	0	0	0	0	0	0.0025456	0	0	0	0	0	0	0	0.002546
45	ALL	UCART2	479388.8	3774466	NonCancerChronicHighEnd_InhSoilDermMMilkCrops	0	0	0	0	0	0	0.0025556	0	0	0	0	0	0	0	0.002556
120	ALL	UCART2	479611.9	3774524	NonCancerChronicHighEnd_InhSoilDermMMilkCrops	0	0	0	0	0	0	0.0025615	0	0	0	0	0	0	0	0.002562
315	ALL	UCART2	479723.4	3774697	NonCancerChronicHighEnd_InhSoilDermMMilkCrops	0	0	0	0	0	0	0.0025664	0	0	0	0	0	0	0	0.002566
375	ALL	UCART2	479667.7	3774754	NonCancerChronicHighEnd_InhSoilDermMMilkCrops	0	0	0	0	0	0	0.0025704	0	0	0	0	0	0	0	0.00257
143	ALL	UCART2	479649.1	3774543	NonCancerChronicHighEnd_InhSoilDermMMilkCrops	0	0	0	0	0	0	0.0025746	0	0	0	0	0	0	0	0.002575
231	ALL	UCART2	479723.4	3774620	NonCancerChronicHighEnd_InhSoilDermMMilkCrops	0	0	0	0	0	0	0.0025798	0	0	0	0	0	0	0	0.00258
335	ALL	UCART2	479704.8	3774716	NonCancerChronicHighEnd_InhSoilDermMMilkCrops	0	0	0	0	0	0	0.0025816	0	0	0	0	0	0	0	0.002582
68	ALL	UCART2	479426	3774485	NonCancerChronicHighEnd_InhSoilDermMMilkCrops	0	0	0	0	0	0	0.0025876	0	0	0	0	0	0	0	0.002588
355	ALL	UCART2	479686.3	3774735	NonCancerChronicHighEnd_InhSoilDermMMilkCrops	0	0	0	0	0	0	0.002588	0	0	0	0	0	0	0	0.002588
471	ALL		479332.4	3774445	NonCancerChronicHighEnd_InhSoilDermMMilkCrops	0	0	0	0	0	0	0.0026043	0	0	0	0	0	0	0	0.002604
394	ALL	UCART2	479630.5	3774774	NonCancerChronicHighEnd_InhSoilDermMMilkCrops	0	0	0	0	0	0	0.0026069	0	0	0	0	0	0	0	0.002607
96	ALL	UCART2	479556.1	3774504	NonCancerChronicHighEnd_InhSoilDermMMilkCrops	0	0	0	0	0	0	0.0026076	0	0	0	0	0	0	0	0.002608
432	ALL	UCART2	479556.1	3774812	NonCancerChronicHighEnd_InhSoilDermMMilkCrops	0	0	0	0	0	0	0.0026085	0	0	0	0	0	0	0	0.002609
294	ALL	UCART2	479723.4	3774677	NonCancerChronicHighEnd_InhSoilDermMMilkCrops	0	0	0	0	0	0	0.0026098	0	0	0	0	0	0	0	0.00261
209	ALL	UCART2	479704.8	3774600	NonCancerChronicHighEnd_InhSoilDermMMilkCrops	0	0	0	0	0	0	0.0026107	0	0	0	0	0	0	0	0.002611
252	ALL	UCART2	479723.4	3774639	NonCancerChronicHighEnd_InhSoilDermMMilkCrops	0	0	0	0	0	0	0.0026166	0	0	0	0	0	0	0	0.002617
273	ALL	UCART2	479723.4	3774658	NonCancerChronicHighEnd_InhSoilDermMMilkCrops	0	0	0	0	0	0	0.0026243	0	0	0	0	0	0	0	0.002624
165	ALL	UCART2	479667.7	3774562	NonCancerChronicHighEnd_InhSoilDermMMilkCrops	0	0	0	0	0	0	0.002627	0	0	0	0	0	0	0	0.002627
187	ALL	UCART2	479686.3	3774581	NonCancerChronicHighEnd_InhSoilDermMMilkCrops	0	0	0	0	0	0	0.0026322	0	0	0	0	0	0	0	0.002632
119	ALL	UCART2	479593.3	3774524	NonCancerChronicHighEnd_InhSoilDermMMilkCrops	0	0	0	0	0	0	0.0026335	0	0	0	0	0	0	0	0.002634
413	ALL	UCART2	479593.3	3774793	NonCancerChronicHighEnd_InhSoilDermMMilkCrops	0	0	0	0	0	0	0.0026358	0	0	0	0	0	0	0	0.002636
314	ALL	UCART2	479704.8	3774697	NonCancerChronicHighEnd_InhSoilDermMMilkCrops	0	0	0	0	0	0	0.0026407	0	0	0	0	0	0	0	0.002641
142	ALL	UCART2	479630.5	3774543	NonCancerChronicHighEnd_InhSoilDermMMilkCrops	0	0	0	0	0	0	0.0026432	0	0	0	0	0	0	0	0.002643
44	ALL	UCART2	479370.2	3774466	NonCancerChronicHighEnd_InhSoilDermMMilkCrops	0	0	0	0	0	0	0.0026433	0	0	0	0	0	0	0	0.002643
95	ALL	UCART2	479537.5	3774504	NonCancerChronicHighEnd_InhSoilDermMMilkCrops	0	0	0	0	0	0	0.0026529	0	0	0	0	0	0	0	0.002653
374	ALL	UCART2	479649.1	3774754	NonCancerChronicHighEnd_InhSoilDermMMilkCrops	0	0	0	0	0	0	0.0026553	0	0	0	0	0	0	0	0.002655
230	ALL	UCART2	479704.8	3774620	NonCancerChronicHighEnd_InhSoilDermMMilkCrops	0	0	0	0	0	0	0.0026565	0	0	0	0	0	0	0	0.002657
67	ALL	UCART2	479407.4	3774485	NonCancerChronicHighEnd_InhSoilDermMMilkCrops	0	0	0	0	0	0	0.0026633	0	0	0	0	0	0	0	0.002663
334	ALL	UCART2	479686.3	3774716	NonCancerChronicHighEnd_InhSoilDermMMilkCrops	0	0	0	0	0	0	0.002665	0	0	0	0	0	0	0	0.002665
92	ALL	UCART2	479481.8	3774504	NonCancerChronicHighEnd_InhSoilDermMMilkCrops	0	0	0	0	0	0	0.0026661	0	0	0	0	0	0	0	0.002666
354	ALL	UCART2	479667.7	3774735	NonCancerChronicHighEnd_InhSoilDermMMilkCrops	0	0	0	0	0	0	0.0026792	0	0	0	0	0	0	0	0.002679
93	ALL	UCART2	479500.4	3774504	NonCancerChronicHighEnd_InhSoilDermMMilkCrops	0	0	0	0	0	0	0.0026804	0	0	0	0	0	0	0	0.00268
91	ALL	UCART2	479463.2	3774504	NonCancerChronicHighEnd_InhSoilDermMMilkCrops	0	0	0	0	0	0	0.0026809	0	0	0	0	0	0	0	0.002681
293	ALL	UCART2	479704.8	3774677	NonCancerChronicHighEnd_InhSoilDermMMilkCrops	0	0	0	0	0	0	0.0026849	0	0	0	0	0	0	0	0.002685
251	ALL	UCART2	479704.8	3774639	NonCancerChronicHighEnd_InhSoilDermMMilkCrops	0	0	0	0	0	0	0.0026889	0	0	0	0	0	0	0	0.002689
90	ALL	UCART2	479444.6	3774504	NonCancerChronicHighEnd_InhSoilDermMMilkCrops	0	0	0	0	0	0	0.0026902	0	0	0	0	0	0	0	0.00269
164	ALL	UCART2	479649.1	3774562	NonCancerChronicHighEnd_InhSoilDermMMilkCrops	0	0	0	0	0	0	0.002693	0	0	0	0	0	0	0	0.002693
393	ALL	UCART2	479611.9	3774774	NonCancerChronicHighEnd_InhSoilDermMMilkCrops	0	0	0	0	0	0	0.0026951	0	0	0	0	0	0	0	0.002695
431	ALL	UCART2	479537.5	3774812	NonCancerChronicHighEnd_InhSoilDermMMilkCrops	0	0	0	0	0	0	0.0026993	0	0	0	0	0	0	0	0.002699
208	ALL	UCART2	479686.3	3774600	NonCancerChronicHighEnd_InhSoilDermMMilkCrops	0	0	0	0	0	0	0.0027032	0	0	0	0	0	0	0	0.002703
272	ALL	UCART2	479704.8	3774658	NonCancerChronicHighEnd_InhSoilDermMMilkCrops	0	0	0	0	0	0	0.0027064	0	0	0	0	0	0	0	0.002706
118	ALL	UCART2	479574.7	3774524	NonCancerChronicHighEnd_InhSoilDermMMilkCrops	0	0	0	0	0	0	0.0027085	0	0	0	0	0	0	0	0.002709
94	ALL	UCART2	479518.9	3774504	NonCancerChronicHighEnd_InhSoilDermMMilkCrops	0	0	0	0	0	0	0.0027161	0	0	0	0	0	0	0	0.002716
141	ALL	UCART2	479611.9	3774543	NonCancerChronicHighEnd_InhSoilDermMMilkCrops	0	0	0	0	0	0	0.0027221	0	0	0	0	0	0	0	0.002722
412	ALL	UCART2	479574.7	3774793	NonCancerChronicHighEnd_InhSoilDermMMilkCrops	0	0	0	0	0	0	0.0027227	0	0	0	0	0	0	0	0.002723
186	ALL	UCART2	479667.7	3774581	NonCancerChronicHighEnd_InhSoilDermMMilkCrops	0	0	0	0	0	0	0.002731	0	0	0	0	0	0	0	0.002731
229	ALL	UCART2	479686.3	3774620	NonCancerChronicHighEnd_InhSoilDermMMilkCrops	0	0	0	0	0	0	0.0027372	0	0	0	0	0	0	0	0.002737
43	ALL	UCART2	479351.6	3774466	NonCancerChronicHighEnd_InhSoilDermMMilkCrops	0	0	0	0	0	0	0.0027376	0	0	0	0	0	0	0	0.002738
313	ALL	UCART2	479686.3	3774697	NonCancerChronicHighEnd_InhSoilDermMMilkCrops	0	0	0	0	0	0	0.0027411	0	0	0	0	0	0	0	0.002741
373	ALL	UCART2	479630.5	3774754	NonCancerChronicHighEnd_InhSoilDermMMilkCrops	0	0	0	0	0	0	0.0027513	0	0	0	0	0	0	0	0.002751
117	ALL	UCART2	479556.1	3774524	NonCancerChronicHighEnd_InhSoilDermMMilkCrops	0	0	0	0	0	0	0.0027562	0	0	0	0	0	0	0	0.002756
113	ALL	UCART2	479481.8	3774524	NonCancerChronicHighEnd_InhSoilDermMMilkCrops	0	0	0	0	0	0	0.0027575	0	0	0	0	0	0	0	0.002758
333	ALL	UCART2	479667.7	3774716	NonCancerChronicHighEnd_InhSoilDermMMilkCrops	0	0	0	0	0	0	0.0027605	0	0	0	0	0	0	0	0.002761
66	ALL	UCART2	479388.8	3774485	NonCancerChronicHighEnd_InhSoilDermMMilkCrops	0	0	0	0	0	0	0.0027614	0	0	0	0	0	0	0	0.002761
112	ALL	UCART2	479463.2	3774524	NonCancerChronicHighEnd_InhSoilDermMMilkCrops	0	0	0	0	0	0	0.0027622	0	0	0	0	0	0	0	0.002762
353	ALL	UCART2	479649.1	3774735	NonCancerChronicHighEnd_InhSoilDermMMilkCrops	0	0	0	0	0	0	0.0027695	0	0	0	0	0	0	0	0.00277
163	ALL	UCART2	479630.5	3774562	NonCancerChronicHighEnd_InhSoilDermMMilkCrops	0	0	0	0	0	0	0.0027696	0	0	0	0	0	0	0	0.00277
292	ALL	UCART2	479686.3	3774677	NonCancerChronicHighEnd_InhSoilDermMMilkCrops	0	0	0	0	0	0	0.0027796	0	0	0	0	0	0	0	0.00278
89	ALL	UCART2	479426	3774504	NonCancerChronicHighEnd_InhSoilDermMMilkCrops	0	0	0	0	0	0	0.0027798	0	0	0	0	0	0	0	0.00278
250	ALL	UCART2	479686.3	3774639	NonCancerChronicHighEnd_InhSoilDermMMilkCrops	0	0	0	0	0	0	0.0027814	0	0	0	0	0	0	0	0.002781
271	ALL	UCART2	479686.3	3774658	NonCancerChronicHighEnd_InhSoilDermMMilkCrops	0	0	0	0	0	0	0.0027931	0	0	0	0	0	0	0	0.002793
392	ALL	UCART2	479593.3	3774774	NonCancerChronicHighEnd_InhSoilDermMMilkCrops	0	0	0	0	0	0	0.0027942	0	0	0	0	0	0	0	0.002794
185	ALL	UCART2	479649.1	3774581	NonCancerChronicHighEnd_InhSoilDermMMilkCrops	0	0	0	0	0	0	0.0027959	0	0	0	0	0	0	0	0.002796
114	ALL	UCART2	479500.4	3774524	NonCancerChronicHighEnd_InhSoilDermMMilkCrops	0	0	0	0	0	0	0.0027961	0	0	0	0	0	0	0	0.002796
430	ALL	UCART2	479518.9	3774812	NonCancerChronicHighEnd_InhSoilDermMMilkCrops	0	0	0	0	0	0	0.0027992	0	0	0	0	0	0	0	0.002799
207	ALL	UCART2	479667.7	3774600	NonCancerChronicHighEnd_InhSoilDermMMilkCrops	0	0	0	0	0	0	0.002801	0	0	0	0	0	0	0	0.002801
140	ALL	UCART2	479593.3	3774543	NonCancerChronicHighEnd_InhSoilDermMMilkCrops	0	0	0	0	0	0	0.0028047	0	0	0	0	0	0	0	0.002805
411	ALL	UCART2	479556.1	3774793	NonCancerChronicHighEnd_InhSoilDermMMilkCrops	0	0	0	0	0	0	0.0028107	0	0	0	0	0	0	0	0.002811
472	ALL		479306.7	3774452	NonCancerChronicHighEnd_InhSoilDermMMilkCrops	0	0	0	0	0	0	0.0028158	0	0	0	0	0	0	0	0.002816
116	ALL	UCART2	479537.5	3774524	NonCancerChronicHighEnd_InhSoilDermMMilkCrops	0	0	0	0	0	0	0.0028256	0	0	0	0	0	0	0	0.002826
228	ALL	UCART2	479667.7	3774620	NonCancerChronicHighEnd_InhSoilDermMMilkCrops	0	0	0	0	0	0	0.0028311	0	0	0	0	0	0	0	0.002831
466	ALL		479428.3	3774513	NonCancerChronicHighEnd_InhSoilDermMMilkCrops	0	0	0	0	0	0	0.0028318	0	0	0	0	0	0	0	0.002832
115	ALL	UCART2	479518.9	3774524	NonCancerChronicHighEnd_InhSoilDermMMilkCrops	0	0	0	0	0	0	0.002832	0	0	0	0	0	0	0	0.002832
372	ALL	UCART2	479611.9	3774754	NonCancerChronicHighEnd_InhSoilDermMMilkCrops	0	0	0	0	0	0	0.0028473	0	0	0	0	0	0	0	0.002847
312	ALL	UCART2	479667.7	3774697	NonCancerChronicHighEnd_InhSoilDermMMilkCrops	0	0	0	0	0	0	0.0028479	0	0	0	0	0	0	0	0.002848
332	ALL	UCART2	479649.1	3774716	NonCancerChronicHighEnd_InhSoilDermMMilkCrops	0	0	0	0	0	0	0.0028546	0	0	0	0	0	0	0	0.002855
162	ALL	UCART2	479611.9	3774562	NonCancerChronicHighEnd_InhSoilDermMMilkCrops	0	0	0	0	0	0	0.0028581	0	0	0	0	0	0	0	0.002858
111	ALL	UCART2	479444.6	3774524	NonCancerChronicHighEnd_InhSoilDermMMilkCrops	0	0	0	0	0	0	0.0028592	0	0	0	0	0	0	0	0.002859
65	ALL	UCART2	479370.2	3774485	NonCancerChronicHighEnd_InhSoilDermMMilkCrops	0	0	0	0	0	0	0.0028622	0	0	0	0	0	0	0	0.002862
88	ALL	UCART2	479407.4	3774504	NonCancerChronicHighEnd_InhSoilDermMMilkCrops	0	0	0	0	0	0	0.0028644	0	0	0	0	0	0	0	0.002864
352	ALL	UCART2	479630.5	3774735	NonCancerChronicHighEnd_InhSoilDermMMilkCrops	0	0	0	0	0	0	0.0028654	0	0	0	0	0	0	0	0.002865
206	ALL	UCART2	479649.1	3774600	NonCancerChronicHighEnd_InhSoilDermMMilkCrops	0	0	0	0	0	0	0.0028792	0	0	0	0	0	0	0	0.002879
184	ALL	UCART2	479630.5	3774581	NonCancerChronicHighEnd_InhSoilDermMMilkCrops	0	0	0	0	0	0	0.0028801	0	0	0	0	0	0	0	0.00288
139	ALL	UCART2	479574.7	3774543	NonCancerChronicHighEnd_InhSoilDermMMilkCrops	0	0	0	0	0	0	0.0028838	0	0	0	0	0	0	0	0.002884
249	ALL	UCART2	479667.7	3774639	NonCancerChronicHighEnd_InhSoilDermMMilkCrops	0	0	0	0	0	0	0.002888	0	0	0	0	0	0	0	0.002888
291	ALL	UCART2	479667.7	3774677	NonCancerChronicHighEnd_InhSoilDermMMilkCrops	0	0	0	0	0	0	0.0028883	0	0	0	0	0	0	0	0.002888
391	ALL	UCART2	479574.7	3774774	NonCancerChronicHighEnd_InhSoilDermMMilkCrops	0	0	0	0	0	0	0.0028886	0	0	0	0	0	0	0	0.002889
270	ALL	UCART2	479667.7	3774658	NonCancerChronicHighEnd_InhSoilDermMMilkCrops	0	0	0	0	0	0	0.0028933	0	0	0	0	0	0	0	0.002893
429	ALL	UCART2	479500.4	3774812	NonCancerChronicHighEnd_InhSoilDermMMilkCrops	0	0	0	0	0	0	0.0029055	0	0	0	0	0	0	0	0.002906
227	ALL	UCART2	479649.1	3774620	NonCancerChronicHighEnd_InhSoilDermMMilkCrops	0	0	0	0	0	0	0.0029123	0	0	0	0	0	0	0	0.002912
410	ALL	UCART2	479537.5	3774793	NonCancerChronicHighEnd_InhSoilDermMMilkCrops	0	0	0	0	0	0	0.0029131	0	0	0	0	0	0	0	0.002913
371	ALL	UCART2	479593.3	3774754	NonCancerChronicHighEnd_InhSoilDermMMilkCrops	0	0	0	0	0	0	0.0029429	0	0	0	0	0	0	0	0.002943
311	ALL	UCART2	479649.1	3774697	NonCancerChronicHighEnd_InhSoilDermMMilkCrops	0	0	0	0	0	0	0.0029459	0	0	0	0	0	0	0	0.002946
138	ALL	UCART2	479556.1	3774543	NonCancerChronicHighEnd_InhSoilDermMMilkCrops	0	0	0	0	0	0	0.0029484	0	0	0	0	0	0	0	0.002948
110	ALL	UCART2	479426	3774524	NonCancerChronicHighEnd_InhSoilDermMMilkCrops	0	0	0	0	0	0	0.0029509	0	0	0	0	0	0	0	0.002951
161	ALL	UCART2	479593.3	3774562	NonCancerChronicHighEnd_InhSoilDermMMilkCrops	0	0	0	0	0	0	0.0029513	0	0	0	0	0	0	0	0.002951
331	ALL	UCART2	479630.5	3774716	NonCancerChronicHighEnd_InhSoilDermMMilkCrops	0	0	0	0	0	0	0.0029545	0	0	0	0	0	0	0	0.002955
205	ALL	UCART2	479630.5	3774600	NonCancerChronicHighEnd_InhSoilDermMMilkCrops	0	0	0	0	0	0	0.0029611	0	0	0	0	0	0	0	0.002961
351	ALL	UCART2	479611.9	3774735	NonCancerChronicHighEnd_InhSoilDermMMilkCrops	0	0	0	0	0	0	0.0029675	0	0	0	0	0	0	0	0.002968
183	ALL	UCART2	479611.9	3774581	NonCancerChronicHighEnd_InhSoilDermMMilkCrops	0	0	0	0	0	0	0.0029687	0	0	0	0	0	0	0	0.002969
64	ALL	UCART2	479351.6	3774485	NonCancerChronicHighEnd_InhSoilDermMMilkCrops	0	0	0	0	0	0	0.0029727	0	0	0	0	0	0	0	0.002973
248	ALL	UCART2	479649.1	3774639	NonCancerChronicHighEnd_InhSoilDermMMilkCrops	0	0	0	0	0	0	0.0029744	0	0	0	0	0	0	0	0.002974
87	ALL	UCART2	479388.8	3774504	NonCancerChronicHighEnd_InhSoilDermMMilkCrops	0	0	0	0	0	0	0.0029786	0	0	0	0	0	0	0	0.002979
290	ALL	UCART2	479649.1	3774677	NonCancerChronicHighEnd_InhSoilDermMMilkCrops	0	0	0	0	0	0	0.0029787	0	0	0	0	0	0	0	0.002979
269	ALL	UCART2	479649.1	3774658	NonCancerChronicHighEnd_InhSoilDermMMilkCrops	0	0	0	0	0	0	0.0029909	0	0	0	0	0	0	0	0.002991
390	ALL	UCART2	479556.1	3774774	NonCancerChronicHighEnd_InhSoilDermMMilkCrops	0	0	0	0	0	0	0.002995	0	0	0	0	0	0	0	0.002995
137	ALL	UCART2	479537.5	3774543	NonCancerChronicHighEnd_InhSoilDermMMilkCrops	0	0	0	0	0	0	0.0030091	0	0	0	0	0	0	0	0.003009
226	ALL	UCART2	479630.5	3774620	NonCancerChronicHighEnd_InhSoilDermMMilkCrops	0	0	0	0	0	0	0.0030171	0	0	0	0	0	0	0	0.003017
428	ALL	UCART2	479481.8	3774812	NonCancerChronicHighEnd_InhSoilDermMMilkCrops	0	0	0	0	0	0	0.003019	0	0	0	0	0	0	0	0.003019
409	ALL	UCART2	479518.9	3774793	NonCancerChronicHighEnd_InhSoilDermMMilkCrops	0	0	0	0	0	0	0.0030272	0	0	0	0	0	0	0	0.003027
160	ALL	UCART2	479574.7	3774562	NonCancerChronicHighEnd_InhSoilDermMMilkCrops	0	0	0	0	0	0	0.0030408	0	0	0	0	0	0	0	0.003041
310	ALL	UCART2	479630.5	3774697	NonCancerChronicHighEnd_InhSoilDermMMilkCrops	0	0	0	0	0	0	0.00305	0	0	0	0	0	0	0	0.00305
370	ALL	UCART2	479574.7	3774754	NonCancerChronicHighEnd_InhSoilDermMMilkCrops	0	0	0	0	0	0	0.0030514	0	0	0	0	0	0	0	0.003051
204	ALL	UCART2	479611.9	3774600	NonCancerChronicHighEnd_InhSoilDermMMilkCrops	0	0	0	0	0	0	0.0030567	0	0	0	0	0	0	0	0.003057

330	ALL	UCART2	479611.9	3774716	NonCancerChronicHighEnd_InhSoilDermMMilkCrops	0	0	0	0	0	0	0.0030608	0	0	0	0	0	0	0	0.003061
182	ALL	UCART2	479593.3	3774581	NonCancerChronicHighEnd_InhSoilDermMMilkCrops	0	0	0	0	0	0	0.0030622	0	0	0	0	0	0	0	0.003062
247	ALL	UCART2	479630.5	3774639	NonCancerChronicHighEnd_InhSoilDermMMilkCrops	0	0	0	0	0	0	0.0030751	0	0	0	0	0	0	0	0.003075
350	ALL	UCART2	479593.3	3774735	NonCancerChronicHighEnd_InhSoilDermMMilkCrops	0	0	0	0	0	0	0.0030761	0	0	0	0	0	0	0	0.003076
109	ALL	UCART2	479407.4	3774524	NonCancerChronicHighEnd_InhSoilDermMMilkCrops	0	0	0	0	0	0	0.0030767	0	0	0	0	0	0	0	0.003077
289	ALL	UCART2	479630.5	3774677	NonCancerChronicHighEnd_InhSoilDermMMilkCrops	0	0	0	0	0	0	0.0030833	0	0	0	0	0	0	0	0.003083
134	ALL	UCART2	479481.8	3774543	NonCancerChronicHighEnd_InhSoilDermMMilkCrops	0	0	0	0	0	0	0.0030882	0	0	0	0	0	0	0	0.003088
159	ALL	UCART2	479556.1	3774562	NonCancerChronicHighEnd_InhSoilDermMMilkCrops	0	0	0	0	0	0	0.0030916	0	0	0	0	0	0	0	0.003092
268	ALL	UCART2	479630.5	3774658	NonCancerChronicHighEnd_InhSoilDermMMilkCrops	0	0	0	0	0	0	0.0030944	0	0	0	0	0	0	0	0.003094
133	ALL	UCART2	479463.2	3774543	NonCancerChronicHighEnd_InhSoilDermMMilkCrops	0	0	0	0	0	0	0.0030985	0	0	0	0	0	0	0	0.003099
86	ALL	UCART2	479370.2	3774504	NonCancerChronicHighEnd_InhSoilDermMMilkCrops	0	0	0	0	0	0	0.0030992	0	0	0	0	0	0	0	0.003099
389	ALL	UCART2	479537.5	3774774	NonCancerChronicHighEnd_InhSoilDermMMilkCrops	0	0	0	0	0	0	0.0031148	0	0	0	0	0	0	0	0.003115
136	ALL	UCART2	479518.9	3774543	NonCancerChronicHighEnd_InhSoilDermMMilkCrops	0	0	0	0	0	0	0.0031179	0	0	0	0	0	0	0	0.003118
225	ALL	UCART2	479611.9	3774620	NonCancerChronicHighEnd_InhSoilDermMMilkCrops	0	0	0	0	0	0	0.0031182	0	0	0	0	0	0	0	0.003118
132	ALL	UCART2	479444.6	3774543	NonCancerChronicHighEnd_InhSoilDermMMilkCrops	0	0	0	0	0	0	0.0031197	0	0	0	0	0	0	0	0.00312
427	ALL	UCART2	479463.2	3774812	NonCancerChronicHighEnd_InhSoilDermMMilkCrops	0	0	0	0	0	0	0.0031203	0	0	0	0	0	0	0	0.00312
135	ALL	UCART2	479500.4	3774543	NonCancerChronicHighEnd_InhSoilDermMMilkCrops	0	0	0	0	0	0	0.0031279	0	0	0	0	0	0	0	0.003128
181	ALL	UCART2	479574.7	3774581	NonCancerChronicHighEnd_InhSoilDermMMilkCrops	0	0	0	0	0	0	0.0031365	0	0	0	0	0	0	0	0.003137
408	ALL	UCART2	479500.4	3774793	NonCancerChronicHighEnd_InhSoilDermMMilkCrops	0	0	0	0	0	0	0.0031444	0	0	0	0	0	0	0	0.003144
203	ALL	UCART2	479593.3	3774600	NonCancerChronicHighEnd_InhSoilDermMMilkCrops	0	0	0	0	0	0	0.0031578	0	0	0	0	0	0	0	0.003158
309	ALL	UCART2	479611.9	3774697	NonCancerChronicHighEnd_InhSoilDermMMilkCrops	0	0	0	0	0	0	0.0031608	0	0	0	0	0	0	0	0.003161
369	ALL	UCART2	479556.1	3774754	NonCancerChronicHighEnd_InhSoilDermMMilkCrops	0	0	0	0	0	0	0.0031674	0	0	0	0	0	0	0	0.003167
329	ALL	UCART2	479593.3	3774716	NonCancerChronicHighEnd_InhSoilDermMMilkCrops	0	0	0	0	0	0	0.0031742	0	0	0	0	0	0	0	0.003174
158	ALL	UCART2	479537.5	3774562	NonCancerChronicHighEnd_InhSoilDermMMilkCrops	0	0	0	0	0	0	0.0031812	0	0	0	0	0	0	0	0.003181
288	ALL	UCART2	479611.9	3774677	NonCancerChronicHighEnd_InhSoilDermMMilkCrops	0	0	0	0	0	0	0.0031847	0	0	0	0	0	0	0	0.003185
221	ALL	UCART2	479537.5	3774620	NonCancerChronicHighEnd_InhSoilDermMMilkCrops	0	0	0	0	0	0	0.0031885	0	0	0	0	0	0	0	0.003189
246	ALL	UCART2	479611.9	3774639	NonCancerChronicHighEnd_InhSoilDermMMilkCrops	0	0	0	0	0	0	0.0031921	0	0	0	0	0	0	0	0.003192
131	ALL	UCART2	479426	3774543	NonCancerChronicHighEnd_InhSoilDermMMilkCrops	0	0	0	0	0	0	0.0031933	0	0	0	0	0	0	0	0.003193
349	ALL	UCART2	479574.7	3774735	NonCancerChronicHighEnd_InhSoilDermMMilkCrops	0	0	0	0	0	0	0.0032004	0	0	0	0	0	0	0	0.0032
180	ALL	UCART2	479556.1	3774581	NonCancerChronicHighEnd_InhSoilDermMMilkCrops	0	0	0	0	0	0	0.0032039	0	0	0	0	0	0	0	0.003204
267	ALL	UCART2	479611.9	3774658	NonCancerChronicHighEnd_InhSoilDermMMilkCrops	0	0	0	0	0	0	0.0032045	0	0	0	0	0	0	0	0.003205
219	ALL	UCART2	479500.4	3774620	NonCancerChronicHighEnd_InhSoilDermMMilkCrops	0	0	0	0	0	0	0.0032047	0	0	0	0	0	0	0	0.003205
108	ALL	UCART2	479388.8	3774524	NonCancerChronicHighEnd_InhSoilDermMMilkCrops	0	0	0	0	0	0	0.0032111	0	0	0	0	0	0	0	0.003211
224	ALL	UCART2	479593.3	3774620	NonCancerChronicHighEnd_InhSoilDermMMilkCrops	0	0	0	0	0	0	0.0032183	0	0	0	0	0	0	0	0.003218
176	ALL	UCART2	479481.8	3774581	NonCancerChronicHighEnd_InhSoilDermMMilkCrops	0	0	0	0	0	0	0.0032226	0	0	0	0	0	0	0	0.003223
85	ALL	UCART2	479351.6	3774504	NonCancerChronicHighEnd_InhSoilDermMMilkCrops	0	0	0	0	0	0	0.0032277	0	0	0	0	0	0	0	0.003228
426	ALL	UCART2	479444.6	3774812	NonCancerChronicHighEnd_InhSoilDermMMilkCrops	0	0	0	0	0	0	0.0032336	0	0	0	0	0	0	0	0.003234
175	ALL	UCART2	479463.2	3774581	NonCancerChronicHighEnd_InhSoilDermMMilkCrops	0	0	0	0	0	0	0.003236	0	0	0	0	0	0	0	0.003236
202	ALL	UCART2	479574.7	3774600	NonCancerChronicHighEnd_InhSoilDermMMilkCrops	0	0	0	0	0	0	0.0032484	0	0	0	0	0	0	0	0.003248
388	ALL	UCART2	479518.9	3774774	NonCancerChronicHighEnd_InhSoilDermMMilkCrops	0	0	0	0	0	0	0.0032494	0	0	0	0	0	0	0	0.003249
220	ALL	UCART2	479518.9	3774620	NonCancerChronicHighEnd_InhSoilDermMMilkCrops	0	0	0	0	0	0	0.0032543	0	0	0	0	0	0	0	0.003254
201	ALL	UCART2	479556.1	3774600	NonCancerChronicHighEnd_InhSoilDermMMilkCrops	0	0	0	0	0	0	0.0032563	0	0	0	0	0	0	0	0.003256
222	ALL	UCART2	479556.1	3774620	NonCancerChronicHighEnd_InhSoilDermMMilkCrops	0	0	0	0	0	0	0.003259	0	0	0	0	0	0	0	0.003259
407	ALL	UCART2	479481.8	3774793	NonCancerChronicHighEnd_InhSoilDermMMilkCrops	0	0	0	0	0	0	0.0032667	0	0	0	0	0	0	0	0.003267
155	ALL	UCART2	479481.8	3774562	NonCancerChronicHighEnd_InhSoilDermMMilkCrops	0	0	0	0	0	0	0.0032674	0	0	0	0	0	0	0	0.003267
197	ALL	UCART2	479481.8	3774600	NonCancerChronicHighEnd_InhSoilDermMMilkCrops	0	0	0	0	0	0	0.0032744	0	0	0	0	0	0	0	0.003274
179	ALL	UCART2	479537.5	3774581	NonCancerChronicHighEnd_InhSoilDermMMilkCrops	0	0	0	0	0	0	0.0032745	0	0	0	0	0	0	0	0.003275
218	ALL	UCART2	479481.8	3774620	NonCancerChronicHighEnd_InhSoilDermMMilkCrops	0	0	0	0	0	0	0.0032753	0	0	0	0	0	0	0	0.003275
154	ALL	UCART2	479463.2	3774562	NonCancerChronicHighEnd_InhSoilDermMMilkCrops	0	0	0	0	0	0	0.0032775	0	0	0	0	0	0	0	0.003278
308	ALL	UCART2	479593.3	3774697	NonCancerChronicHighEnd_InhSoilDermMMilkCrops	0	0	0	0	0	0	0.003279	0	0	0	0	0	0	0	0.003279
177	ALL	UCART2	479500.4	3774581	NonCancerChronicHighEnd_InhSoilDermMMilkCrops	0	0	0	0	0	0	0.0032805	0	0	0	0	0	0	0	0.003281
368	ALL	UCART2	479537.5	3774754	NonCancerChronicHighEnd_InhSoilDermMMilkCrops	0	0	0	0	0	0	0.0032992	0	0	0	0	0	0	0	0.003299
153	ALL	UCART2	479444.6	3774562	NonCancerChronicHighEnd_InhSoilDermMMilkCrops	0	0	0	0	0	0	0.0033024	0	0	0	0	0	0	0	0.003302
287	ALL	UCART2	479593.3	3774677	NonCancerChronicHighEnd_InhSoilDermMMilkCrops	0	0	0	0	0	0	0.0033027	0	0	0	0	0	0	0	0.003303
223	ALL	UCART2	479574.7	3774620	NonCancerChronicHighEnd_InhSoilDermMMilkCrops	0	0	0	0	0	0	0.0033029	0	0	0	0	0	0	0	0.003303
328	ALL	UCART2	479574.7	3774716	NonCancerChronicHighEnd_InhSoilDermMMilkCrops	0	0	0	0	0	0	0.0033048	0	0	0	0	0	0	0	0.003305
157	ALL	UCART2	479518.9	3774562	NonCancerChronicHighEnd_InhSoilDermMMilkCrops	0	0	0	0	0	0	0.0033054	0	0	0	0	0	0	0	0.003305
245	ALL	UCART2	479593.3	3774639	NonCancerChronicHighEnd_InhSoilDermMMilkCrops	0	0	0	0	0	0	0.0033062	0	0	0	0	0	0	0	0.003306
156	ALL	UCART2	479500.4	3774562	NonCancerChronicHighEnd_InhSoilDermMMilkCrops	0	0	0	0	0	0	0.0033148	0	0	0	0	0	0	0	0.003315
348	ALL	UCART2	479556.1	3774735	NonCancerChronicHighEnd_InhSoilDermMMilkCrops	0	0	0	0	0	0	0.0033162	0	0	0	0	0	0	0	0.003316
200	ALL	UCART2	479537.5	3774600	NonCancerChronicHighEnd_InhSoilDermMMilkCrops	0	0	0	0	0	0	0.0033188	0	0	0	0	0	0	0	0.003319
425	ALL	UCART2	479426	3774812	NonCancerChronicHighEnd_InhSoilDermMMilkCrops	0	0	0	0	0	0	0.0033191	0	0	0	0	0	0	0	0.003319
130	ALL	UCART2	479407.4	3774543	NonCancerChronicHighEnd_InhSoilDermMMilkCrops	0	0	0	0	0	0	0.0033206	0	0	0	0	0	0	0	0.003321
266	ALL	UCART2	479593.3	3774658	NonCancerChronicHighEnd_InhSoilDermMMilkCrops	0	0	0	0	0	0	0.0033216	0	0	0	0	0	0	0	0.003322
198	ALL	UCART2	479500.4	3774600	NonCancerChronicHighEnd_InhSoilDermMMilkCrops	0	0	0	0	0	0	0.0033232	0	0	0	0	0	0	0	0.003323
174	ALL	UCART2	479444.6	3774581	NonCancerChronicHighEnd_InhSoilDermMMilkCrops	0	0	0	0	0	0	0.003348	0	0	0	0	0	0	0	0.003348
107	ALL	UCART2	479370.2	3774524	NonCancerChronicHighEnd_InhSoilDermMMilkCrops	0	0	0	0	0	0	0.0033505	0	0	0	0	0	0	0	0.003351
196	ALL	UCART2	479463.2	3774600	NonCancerChronicHighEnd_InhSoilDermMMilkCrops	0	0	0	0	0	0	0.0033633	0	0	0	0	0	0	0	0.003363
387	ALL	UCART2	479500.4	3774774	NonCancerChronicHighEnd_InhSoilDermMMilkCrops	0	0	0	0	0	0	0.003365	0	0	0	0	0	0	0	0.003365
152	ALL	UCART2	479426	3774562	NonCancerChronicHighEnd_InhSoilDermMMilkCrops	0	0	0	0	0	0	0.0033872	0	0	0	0	0	0	0	0.003387
406	ALL	UCART2	479463.2	3774793	NonCancerChronicHighEnd_InhSoilDermMMilkCrops	0	0	0	0	0	0	0.0033943	0	0	0	0	0	0	0	0.003394
307	ALL	UCART2	479574.7	3774697	NonCancerChronicHighEnd_InhSoilDermMMilkCrops	0	0	0	0	0	0	0.0034052	0	0	0	0	0	0	0	0.003405
327	ALL	UCART2	479556.1	3774716	NonCancerChronicHighEnd_InhSoilDermMMilkCrops	0	0	0	0	0	0	0.0034152	0	0	0	0	0	0	0	0.003415
217	ALL	UCART2	479463.2	3774620	NonCancerChronicHighEnd_InhSoilDermMMilkCrops	0	0	0	0	0	0	0.0034156	0	0	0	0	0	0	0	0.003416
244	ALL	UCART2	479574.7	3774639	NonCancerChronicHighEnd_InhSoilDermMMilkCrops	0	0	0	0	0	0	0.0034277	0	0	0	0	0	0	0	0.003428
386	ALL	UCART2	479481.8	3774774	NonCancerChronicHighEnd_InhSoilDermMMilkCrops	0	0	0	0	0	0	0.0034348	0	0	0	0	0	0	0	0.003435
424	ALL	UCART2	479407.4	3774812	NonCancerChronicHighEnd_InhSoilDermMMilkCrops	0	0	0	0	0	0	0.0034367	0	0	0	0	0	0	0	0.003437
286	ALL	UCART2	479574.7	3774677	NonCancerChronicHighEnd_InhSoilDermMMilkCrops	0	0	0	0	0	0	0.0034396	0	0	0	0	0	0	0	0.00344
129	ALL	UCART2	479388.8	3774543	NonCancerChronicHighEnd_InhSoilDermMMilkCrops	0	0	0	0	0	0	0.0034469	0	0	0	0	0	0	0	0.003447
265	ALL	UCART2	479574.7	3774658	NonCancerChronicHighEnd_InhSoilDermMMilkCrops	0	0	0	0	0	0	0.0034579	0	0	0	0	0	0	0	0.003458
347	ALL	UCART2	479537.5	3774735	NonCancerChronicHighEnd_InhSoilDermMMilkCrops	0	0	0	0	0	0	0.0034584	0	0	0	0	0	0	0	0.003458
242	ALL	UCART2	479537.5	3774639	NonCancerChronicHighEnd_InhSoilDermMMilkCrops	0	0	0	0	0	0	0.0034616	0	0	0	0	0	0	0	0.003462
367	ALL	UCART2	479518.9	3774754	NonCancerChronicHighEnd_InhSoilDermMMilkCrops	0	0	0	0	0	0	0.0034643	0	0	0	0	0	0	0	0.003464
199	ALL	UCART2	479518.9	3774600	NonCancerChronicHighEnd_InhSoilDermMMilkCrops	0	0	0	0	0	0	0.003467	0	0	0	0	0	0	0	0.003467
178	ALL	UCART2	479518.9	3774581	NonCancerChronicHighEnd_InhSoilDermMMilkCrops	0	0	0	0	0	0	0.0034742	0	0	0	0	0	0	0	0.003474
195	ALL	UCART2	479444.6	3774600	NonCancerChronicHighEnd_InhSoilDermMMilkCrops	0	0	0	0	0	0	0.003485	0	0	0	0	0	0	0	0.003485
106	ALL	UCART2	479351.6	3774524	NonCancerChronicHighEnd_InhSoilDermMMilkCrops	0	0	0	0	0	0	0.0034996	0	0	0	0	0	0	0	0.0035
151	ALL	UCART2	479407.4	3774562	NonCancerChronicHighEnd_InhSoilDermMMilkCrops	0	0	0	0	0	0	0.0035038	0	0	0	0	0	0	0	0.003504
243	ALL	UCART2	479556.1	3774639	NonCancerChronicHighEnd_InhSoilDermMMilkCrops	0	0	0	0	0	0	0.0035041	0	0	0	0	0	0	0	0.003504
173	ALL	UCART2	479426	3774581	NonCancerChronicHighEnd_InhSoilDermMMilkCrops	0	0	0	0	0	0	0.0035138	0	0	0	0	0	0	0	0.003514
423	ALL	UCART2	479388.8	3774812	NonCancerChronicHighEnd_InhSoilDermMMilkCrops	0	0	0	0	0	0	0.003516	0	0	0	0	0	0	0	0.003516
405	ALL	UCART2	479444.6	3774793	NonCancerChronicHighEnd_InhSoilDermMMilkCrops	0	0	0	0	0	0	0.0035242	0	0	0	0	0	0	0	0.003524
306	ALL	UCART2	479556.1	3774697	NonCancerChronicHighEnd_InhSoilDermMMilkCrops	0	0	0	0	0	0	0.0035295	0	0	0	0	0	0	0	0.00353
285	ALL	UCART2	479556.1	3774677	NonCancerChronicHighEnd_InhSoilDermMMilkCrops	0	0	0	0	0	0	0.00354	0	0	0	0	0	0	0	0.00354
385	ALL	UCART2	479463.2	3774774	NonCancerChronicHighEnd_InhSoilDermMMilkCrops	0	0	0	0	0	0	0.0035424	0	0	0	0	0	0	0	0.003542
326	ALL	UCART2	479537.5	3774716	NonCancerChronicHighEnd_InhSoilDermMMilkCrops	0	0	0	0	0	0	0.0035499	0	0	0	0	0	0	0	0.00355
264	ALL	UCART2	479556.1	3774658	NonCancerChronicHighEnd_InhSoilDermMMilkCrops	0	0	0	0	0	0	0.0035578	0	0	0	0	0	0	0	0.003558
239	ALL	UCART2	479481.8	3774639	NonCancerChronicHighEnd_InhSoilDermMMilkCrops	0	0	0	0	0	0	0.0035713	0	0	0	0	0	0	0	0.003571
384	ALL	UCART2	479444.6	3774774	NonCancerChronicHighEnd_InhSoilDermMMilkCrops	0	0	0	0	0	0	0.0035938	0	0	0	0	0	0	0	0.003594
366	ALL	UCART2	479500.4	3774754	NonCancerChronicHighEnd_InhSoilDermMMilkCrops	0	0	0	0	0	0	0.0036015	0	0	0	0	0	0	0	0.003602
216	ALL	UCART2	479444.6	3774620	NonCancerChronicHighEnd_InhSoilDermMMilkCrops	0	0	0	0	0	0	0.0036019	0	0	0	0	0	0	0	0.003602
383	ALL	UCART2	479426	3774774	NonCancerChronicHighEnd_InhSoilDermMMilkCrops	0	0	0	0	0	0	0.0036075	0	0	0	0	0	0	0	0.003608
128	ALL	UCART2	479370.2	3774543	NonCancerChronicHighEnd_InhSoilDermMMilkCrops	0	0	0	0	0	0	0.0036085	0	0	0	0	0	0	0	0.003609
404	ALL	UCART2	479426	3774793	NonCancerChronicHighEnd_InhSoilDermMMilkCrops	0	0	0	0	0	0	0.0036131	0	0	0	0	0	0	0	0.003613
422	ALL	UCART2	479370.2	3774812	NonCancerChronicHighEnd_InhSoilDermMMilkCrops	0	0	0	0	0	0	0.003629	0	0	0	0	0	0	0	0.003629
346	ALL	UCART2	479518.9	3774735	NonCancerChronicHighEnd_InhSoilDermMMilkCrops	0	0	0	0	0	0	0.0036305	0	0	0	0	0	0	0	0.003631
263	ALL	UCART2	479537.5	3774658	NonCancerChronicHighEnd_InhSoilDermMMilkCrops	0	0	0	0	0	0	0.003646	0	0	0	0	0	0	0	0.003646
305	ALL	UCART2	479537.5	3774697	NonCancerChronicHighEnd_InhSoilDermMMilkCrops	0	0	0	0	0	0	0.0036489	0	0	0	0	0	0	0	0.003649
365	ALL	UCART2	479481.8	3774754	NonCancerChronicHighEnd_InhSoilDermMMilkCrops	0	0	0	0	0	0	0.0036579	0	0	0	0	0	0	0	0.003658
194	ALL	UCART2	479426	3774600	NonCancerChronicHighEnd_InhSoilDermMMilkCrops	0	0	0	0	0	0	0.0036723	0	0	0	0	0	0	0	0.003672
284	ALL	UCART2	479537.5	3774677	NonCancerChronicHighEnd_InhSoilDermMMilkCrops	0	0	0	0	0	0	0.0036726	0	0	0	0	0	0	0	0.003673
150	ALL	UCART2	479388.8	3774562	NonCancerChronicHighEnd_InhSoilDermMMilkCrops	0	0	0	0	0	0	0.0036799	0	0	0	0	0	0	0	0.00368
238	ALL	UCART2	479463.2	3774639	NonCancerChronicHighEnd_InhSoilDermMMilkCrops	0	0	0	0	0	0	0.0036898	0	0	0	0	0	0	0	0.00369
172	ALL	UCART2	479407.4	3774581	NonCancerChronicHighEnd_InhSoilDermMMilkCrops	0	0	0	0	0	0	0.003699	0	0	0	0	0	0	0	0.003699
240	ALL	UCART2	479500.4	3774639	NonCancerChronicHighEnd_InhSoilDermMMilkCrops	0	0	0	0	0	0	0.0037032	0	0	0	0	0	0	0	0.003703
237	ALL	UCART2	479444.6	3774639	NonCancerChronicHighEnd_InhSoilDermMMilkCrops	0	0	0	0	0	0	0.0037163	0	0	0	0	0	0	0	0.003716
322	ALL	UCART2	479463.2	3774716	NonCancerChronicHighEnd_InhSoilDermMMilkCrops	0	0	0	0	0	0	0.0037226	0	0	0	0	0	0	0	0.003723
403	ALL	UCART2	479407.4	3774793	NonCancerChronicHighEnd_InhSoilDermMMilkCrops	0	0	0	0	0	0	0.0037405	0	0	0	0	0	0	0	0.003741
402	ALL	UCART2	479388.8	3774793	NonCancerChronicHighEnd_InhSoilDermMMilkCrops	0	0	0	0	0	0	0.003746	0	0	0	0	0	0	0	0.003746
325	ALL	UCART2	479518.9	3774716	NonCancerChronicHighEnd_InhSoilDermMMilkCrops	0	0	0	0	0	0	0.0037475	0	0	0	0	0	0	0	0.003748
345	ALL	UCART2	479500.4	3774735	NonCancerChronicHighEnd_InhSoilDermMMilkCrops	0	0	0	0	0	0	0.0037503	0	0	0	0	0	0	0	0.00375
323	ALL	UCART2	479481.8	3774716	NonCancerChronicHighEnd_InhSoilDermMMilkCrops	0	0	0	0	0	0	0.0037567	0	0	0	0	0	0	0	0.003757
364	ALL	UCART2	479463.2	3774754	NonCancerChronicHighEnd_InhSoilDermMMilkCrops	0	0	0	0	0	0	0.003774	0	0	0	0	0	0	0	0.003774

260	ALL	UCART2	479481.8	3774658	NonCancerChronicHighEnd_InhSoilDermMMilkCrops	0	0	0	0	0	0	0.0037757	0	0	0	0	0	0	0	0.003776
344	ALL	UCART2	479481.8	3774735	NonCancerChronicHighEnd_InhSoilDermMMilkCrops	0	0	0	0	0	0	0.0037835	0	0	0	0	0	0	0	0.003784
127	ALL	UCART2	479351.6	3774543	NonCancerChronicHighEnd_InhSoilDermMMilkCrops	0	0	0	0	0	0	0.0037853	0	0	0	0	0	0	0	0.003785
342	ALL	UCART2	479444.6	3774735	NonCancerChronicHighEnd_InhSoilDermMMilkCrops	0	0	0	0	0	0	0.0037917	0	0	0	0	0	0	0	0.003792
259	ALL	UCART2	479463.2	3774658	NonCancerChronicHighEnd_InhSoilDermMMilkCrops	0	0	0	0	0	0	0.0037963	0	0	0	0	0	0	0	0.003796
321	ALL	UCART2	479444.6	3774716	NonCancerChronicHighEnd_InhSoilDermMMilkCrops	0	0	0	0	0	0	0.0038007	0	0	0	0	0	0	0	0.003801
421	ALL	UCART2	479351.6	3774812	NonCancerChronicHighEnd_InhSoilDermMMilkCrops	0	0	0	0	0	0	0.0038039	0	0	0	0	0	0	0	0.003804
382	ALL	UCART2	479407.4	3774774	NonCancerChronicHighEnd_InhSoilDermMMilkCrops	0	0	0	0	0	0	0.003804	0	0	0	0	0	0	0	0.003804
215	ALL	UCART2	479426	3774620	NonCancerChronicHighEnd_InhSoilDermMMilkCrops	0	0	0	0	0	0	0.0038048	0	0	0	0	0	0	0	0.003805
343	ALL	UCART2	479463.2	3774735	NonCancerChronicHighEnd_InhSoilDermMMilkCrops	0	0	0	0	0	0	0.0038096	0	0	0	0	0	0	0	0.00381
363	ALL	UCART2	479444.6	3774754	NonCancerChronicHighEnd_InhSoilDermMMilkCrops	0	0	0	0	0	0	0.0038179	0	0	0	0	0	0	0	0.003818
362	ALL	UCART2	479426	3774754	NonCancerChronicHighEnd_InhSoilDermMMilkCrops	0	0	0	0	0	0	0.0038196	0	0	0	0	0	0	0	0.00382
324	ALL	UCART2	479500.4	3774716	NonCancerChronicHighEnd_InhSoilDermMMilkCrops	0	0	0	0	0	0	0.0038222	0	0	0	0	0	0	0	0.003822
241	ALL	UCART2	479518.9	3774639	NonCancerChronicHighEnd_InhSoilDermMMilkCrops	0	0	0	0	0	0	0.0038402	0	0	0	0	0	0	0	0.00384
258	ALL	UCART2	479444.6	3774658	NonCancerChronicHighEnd_InhSoilDermMMilkCrops	0	0	0	0	0	0	0.0038589	0	0	0	0	0	0	0	0.003859
149	ALL	UCART2	479370.2	3774562	NonCancerChronicHighEnd_InhSoilDermMMilkCrops	0	0	0	0	0	0	0.0038667	0	0	0	0	0	0	0	0.003867
193	ALL	UCART2	479407.4	3774600	NonCancerChronicHighEnd_InhSoilDermMMilkCrops	0	0	0	0	0	0	0.0038766	0	0	0	0	0	0	0	0.003877
304	ALL	UCART2	479518.9	3774697	NonCancerChronicHighEnd_InhSoilDermMMilkCrops	0	0	0	0	0	0	0.0038772	0	0	0	0	0	0	0	0.003877
320	ALL	UCART2	479426	3774716	NonCancerChronicHighEnd_InhSoilDermMMilkCrops	0	0	0	0	0	0	0.0038879	0	0	0	0	0	0	0	0.003888
341	ALL	UCART2	479426	3774735	NonCancerChronicHighEnd_InhSoilDermMMilkCrops	0	0	0	0	0	0	0.0038887	0	0	0	0	0	0	0	0.003889
236	ALL	UCART2	479426	3774639	NonCancerChronicHighEnd_InhSoilDermMMilkCrops	0	0	0	0	0	0	0.0038979	0	0	0	0	0	0	0	0.003898
171	ALL	UCART2	479388.8	3774581	NonCancerChronicHighEnd_InhSoilDermMMilkCrops	0	0	0	0	0	0	0.0039003	0	0	0	0	0	0	0	0.0039
381	ALL	UCART2	479388.8	3774774	NonCancerChronicHighEnd_InhSoilDermMMilkCrops	0	0	0	0	0	0	0.0039043	0	0	0	0	0	0	0	0.003904
262	ALL	UCART2	479518.9	3774658	NonCancerChronicHighEnd_InhSoilDermMMilkCrops	0	0	0	0	0	0	0.0039059	0	0	0	0	0	0	0	0.003906
283	ALL	UCART2	479518.9	3774677	NonCancerChronicHighEnd_InhSoilDermMMilkCrops	0	0	0	0	0	0	0.0039176	0	0	0	0	0	0	0	0.003918
401	ALL	UCART2	479370.2	3774793	NonCancerChronicHighEnd_InhSoilDermMMilkCrops	0	0	0	0	0	0	0.0039197	0	0	0	0	0	0	0	0.00392
261	ALL	UCART2	479500.4	3774658	NonCancerChronicHighEnd_InhSoilDermMMilkCrops	0	0	0	0	0	0	0.0039319	0	0	0	0	0	0	0	0.003932
280	ALL	UCART2	479463.2	3774677	NonCancerChronicHighEnd_InhSoilDermMMilkCrops	0	0	0	0	0	0	0.0039703	0	0	0	0	0	0	0	0.00397
361	ALL	UCART2	479407.4	3774754	NonCancerChronicHighEnd_InhSoilDermMMilkCrops	0	0	0	0	0	0	0.0039806	0	0	0	0	0	0	0	0.003981
257	ALL	UCART2	479426	3774658	NonCancerChronicHighEnd_InhSoilDermMMilkCrops	0	0	0	0	0	0	0.0039853	0	0	0	0	0	0	0	0.003985
282	ALL	UCART2	479500.4	3774677	NonCancerChronicHighEnd_InhSoilDermMMilkCrops	0	0	0	0	0	0	0.0039983	0	0	0	0	0	0	0	0.003998
340	ALL	UCART2	479407.4	3774735	NonCancerChronicHighEnd_InhSoilDermMMilkCrops	0	0	0	0	0	0	0.0040128	0	0	0	0	0	0	0	0.004013
281	ALL	UCART2	479481.8	3774677	NonCancerChronicHighEnd_InhSoilDermMMilkCrops	0	0	0	0	0	0	0.0040196	0	0	0	0	0	0	0	0.00402
303	ALL	UCART2	479500.4	3774697	NonCancerChronicHighEnd_InhSoilDermMMilkCrops	0	0	0	0	0	0	0.0040204	0	0	0	0	0	0	0	0.00402
214	ALL	UCART2	479407.4	3774620	NonCancerChronicHighEnd_InhSoilDermMMilkCrops	0	0	0	0	0	0	0.0040262	0	0	0	0	0	0	0	0.004026
302	ALL	UCART2	479481.8	3774697	NonCancerChronicHighEnd_InhSoilDermMMilkCrops	0	0	0	0	0	0	0.0040537	0	0	0	0	0	0	0	0.004054
148	ALL	UCART2	479351.6	3774562	NonCancerChronicHighEnd_InhSoilDermMMilkCrops	0	0	0	0	0	0	0.0040709	0	0	0	0	0	0	0	0.004071
279	ALL	UCART2	479444.6	3774677	NonCancerChronicHighEnd_InhSoilDermMMilkCrops	0	0	0	0	0	0	0.004088	0	0	0	0	0	0	0	0.004088
278	ALL	UCART2	479426	3774677	NonCancerChronicHighEnd_InhSoilDermMMilkCrops	0	0	0	0	0	0	0.00409	0	0	0	0	0	0	0	0.00409
192	ALL	UCART2	479388.8	3774600	NonCancerChronicHighEnd_InhSoilDermMMilkCrops	0	0	0	0	0	0	0.0041	0	0	0	0	0	0	0	0.0041
400	ALL	UCART2	479351.6	3774793	NonCancerChronicHighEnd_InhSoilDermMMilkCrops	0	0	0	0	0	0	0.0041025	0	0	0	0	0	0	0	0.004103
319	ALL	UCART2	479407.4	3774716	NonCancerChronicHighEnd_InhSoilDermMMilkCrops	0	0	0	0	0	0	0.0041073	0	0	0	0	0	0	0	0.004107
380	ALL	UCART2	479370.2	3774774	NonCancerChronicHighEnd_InhSoilDermMMilkCrops	0	0	0	0	0	0	0.0041079	0	0	0	0	0	0	0	0.004108
170	ALL	UCART2	479370.2	3774581	NonCancerChronicHighEnd_InhSoilDermMMilkCrops	0	0	0	0	0	0	0.0041141	0	0	0	0	0	0	0	0.004114
299	ALL	UCART2	479426	3774697	NonCancerChronicHighEnd_InhSoilDermMMilkCrops	0	0	0	0	0	0	0.004118	0	0	0	0	0	0	0	0.004118
360	ALL	UCART2	479388.8	3774754	NonCancerChronicHighEnd_InhSoilDermMMilkCrops	0	0	0	0	0	0	0.004126	0	0	0	0	0	0	0	0.004126
235	ALL	UCART2	479407.4	3774639	NonCancerChronicHighEnd_InhSoilDermMMilkCrops	0	0	0	0	0	0	0.0041329	0	0	0	0	0	0	0	0.004133
300	ALL	UCART2	479444.6	3774697	NonCancerChronicHighEnd_InhSoilDermMMilkCrops	0	0	0	0	0	0	0.0041361	0	0	0	0	0	0	0	0.004136
301	ALL	UCART2	479463.2	3774697	NonCancerChronicHighEnd_InhSoilDermMMilkCrops	0	0	0	0	0	0	0.0041707	0	0	0	0	0	0	0	0.004171
256	ALL	UCART2	479407.4	3774658	NonCancerChronicHighEnd_InhSoilDermMMilkCrops	0	0	0	0	0	0	0.0041973	0	0	0	0	0	0	0	0.004197
298	ALL	UCART2	479407.4	3774697	NonCancerChronicHighEnd_InhSoilDermMMilkCrops	0	0	0	0	0	0	0.0042253	0	0	0	0	0	0	0	0.004225
339	ALL	UCART2	479388.8	3774735	NonCancerChronicHighEnd_InhSoilDermMMilkCrops	0	0	0	0	0	0	0.0042397	0	0	0	0	0	0	0	0.00424
277	ALL	UCART2	479407.4	3774677	NonCancerChronicHighEnd_InhSoilDermMMilkCrops	0	0	0	0	0	0	0.0042444	0	0	0	0	0	0	0	0.004244
213	ALL	UCART2	479388.8	3774620	NonCancerChronicHighEnd_InhSoilDermMMilkCrops	0	0	0	0	0	0	0.0042686	0	0	0	0	0	0	0	0.004269
191	ALL	UCART2	479370.2	3774600	NonCancerChronicHighEnd_InhSoilDermMMilkCrops	0	0	0	0	0	0	0.0043392	0	0	0	0	0	0	0	0.004339
359	ALL	UCART2	479370.2	3774754	NonCancerChronicHighEnd_InhSoilDermMMilkCrops	0	0	0	0	0	0	0.0043414	0	0	0	0	0	0	0	0.004341
169	ALL	UCART2	479351.6	3774581	NonCancerChronicHighEnd_InhSoilDermMMilkCrops	0	0	0	0	0	0	0.0043482	0	0	0	0	0	0	0	0.004348
379	ALL	UCART2	479351.6	3774774	NonCancerChronicHighEnd_InhSoilDermMMilkCrops	0	0	0	0	0	0	0.0043621	0	0	0	0	0	0	0	0.004362
318	ALL	UCART2	479388.8	3774716	NonCancerChronicHighEnd_InhSoilDermMMilkCrops	0	0	0	0	0	0	0.0043743	0	0	0	0	0	0	0	0.004374
234	ALL	UCART2	479388.8	3774639	NonCancerChronicHighEnd_InhSoilDermMMilkCrops	0	0	0	0	0	0	0.0043937	0	0	0	0	0	0	0	0.004394
297	ALL	UCART2	479388.8	3774697	NonCancerChronicHighEnd_InhSoilDermMMilkCrops	0	0	0	0	0	0	0.0044602	0	0	0	0	0	0	0	0.00446
255	ALL	UCART2	479388.8	3774658	NonCancerChronicHighEnd_InhSoilDermMMilkCrops	0	0	0	0	0	0	0.0044701	0	0	0	0	0	0	0	0.00447
276	ALL	UCART2	479388.8	3774677	NonCancerChronicHighEnd_InhSoilDermMMilkCrops	0	0	0	0	0	0	0.0044928	0	0	0	0	0	0	0	0.004493
338	ALL	UCART2	479370.2	3774735	NonCancerChronicHighEnd_InhSoilDermMMilkCrops	0	0	0	0	0	0	0.0045177	0	0	0	0	0	0	0	0.004518
212	ALL	UCART2	479370.2	3774620	NonCancerChronicHighEnd_InhSoilDermMMilkCrops	0	0	0	0	0	0	0.0045331	0	0	0	0	0	0	0	0.004533
465	ALL		478560.9	3774557	NonCancerChronicHighEnd_InhSoilDermMMilkCrops	0	0	0	0	0	0	0.004595	0	0	0	0	0	0	0	0.004595
190	ALL	UCART2	479351.6	3774600	NonCancerChronicHighEnd_InhSoilDermMMilkCrops	0	0	0	0	0	0	0.004603	0	0	0	0	0	0	0	0.004603
358	ALL	UCART2	479351.6	3774754	NonCancerChronicHighEnd_InhSoilDermMMilkCrops	0	0	0	0	0	0	0.0046099	0	0	0	0	0	0	0	0.00461
317	ALL	UCART2	479370.2	3774716	NonCancerChronicHighEnd_InhSoilDermMMilkCrops	0	0	0	0	0	0	0.0046653	0	0	0	0	0	0	0	0.004665
233	ALL	UCART2	479370.2	3774639	NonCancerChronicHighEnd_InhSoilDermMMilkCrops	0	0	0	0	0	0	0.0046742	0	0	0	0	0	0	0	0.004674
296	ALL	UCART2	479370.2	3774697	NonCancerChronicHighEnd_InhSoilDermMMilkCrops	0	0	0	0	0	0	0.0047597	0	0	0	0	0	0	0	0.00476
254	ALL	UCART2	479370.2	3774658	NonCancerChronicHighEnd_InhSoilDermMMilkCrops	0	0	0	0	0	0	0.0047646	0	0	0	0	0	0	0	0.004765
275	ALL	UCART2	479370.2	3774677	NonCancerChronicHighEnd_InhSoilDermMMilkCrops	0	0	0	0	0	0	0.0047936	0	0	0	0	0	0	0	0.004794
337	ALL	UCART2	479351.6	3774735	NonCancerChronicHighEnd_InhSoilDermMMilkCrops	0	0	0	0	0	0	0.0048251	0	0	0	0	0	0	0	0.004825
211	ALL	UCART2	479351.6	3774620	NonCancerChronicHighEnd_InhSoilDermMMilkCrops	0	0	0	0	0	0	0.0048252	0	0	0	0	0	0	0	0.004825
464	ALL		478578.4	3774555	NonCancerChronicHighEnd_InhSoilDermMMilkCrops	0	0	0	0	0	0	0.0049617	0	0	0	0	0	0	0	0.004962
463	ALL		478574.2	3774625	NonCancerChronicHighEnd_InhSoilDermMMilkCrops	0	0	0	0	0	0	0.0049857	0	0	0	0	0	0	0	0.004986
232	ALL	UCART2	479351.6	3774639	NonCancerChronicHighEnd_InhSoilDermMMilkCrops	0	0	0	0	0	0	0.0049884	0	0	0	0	0	0	0	0.004988
316	ALL	UCART2	479351.6	3774716	NonCancerChronicHighEnd_InhSoilDermMMilkCrops	0	0	0	0	0	0	0.0049912	0	0	0	0	0	0	0	0.004991
253	ALL	UCART2	479351.6	3774658	NonCancerChronicHighEnd_InhSoilDermMMilkCrops	0	0	0	0	0	0	0.0050936	0	0	0	0	0	0	0	0.005094
295	ALL	UCART2	479351.6	3774697	NonCancerChronicHighEnd_InhSoilDermMMilkCrops	0	0	0	0	0	0	0.0050965	0	0	0	0	0	0	0	0.005097
274	ALL	UCART2	479351.6	3774677	NonCancerChronicHighEnd_InhSoilDermMMilkCrops	0	0	0	0	0	0	0.0051313	0	0	0	0	0	0	0	0.005131
454	ALL		478645.9	3774799	NonCancerChronicHighEnd_InhSoilDermMMilkCrops	0	0	0	0	0	0	0.0054351	0	0	0	0	0	0	0	0.005435
462	ALL		478594.1	3774618	NonCancerChronicHighEnd_InhSoilDermMMilkCrops	0	0	0	0	0	0	0.0055591	0	0	0	0	0	0	0	0.005559
461	ALL		478607.9	3774576	NonCancerChronicHighEnd_InhSoilDermMMilkCrops	0	0	0	0	0	0	0.0058639	0	0	0	0	0	0	0	0.005864
455	ALL		478663	3774798	NonCancerChronicHighEnd_InhSoilDermMMilkCrops	0	0	0	0	0	0	0.0060112	0	0	0	0	0	0	0	0.006011
477	ALL		478614.7	3774575	NonCancerChronicHighEnd_InhSoilDermMMilkCrops	0	0	0	0	0	0	0.0060672	0	0	0	0	0	0	0	0.006067
475	ALL		478747.6	3774452	NonCancerChronicHighEnd_InhSoilDermMMilkCrops	0	0	0	0	0	0	0.0063022	0	0	0	0	0	0	0	0.006302
456	ALL		478680.5	3774798	NonCancerChronicHighEnd_InhSoilDermMMilkCrops	0	0	0	0	0	0	0.0067005	0	0	0	0	0	0	0	0.006701
474	ALL		478819.2	3774451	NonCancerChronicHighEnd_InhSoilDermMMilkCrops	0	0	0	0	0	0	0.0068707	0	0	0	0	0	0	0	0.006871
453	ALL		478705.7	3774795	NonCancerChronicHighEnd_InhSoilDermMMilkCrops	0	0	0	0	0	0	0.0079754	0	0	0	0	0	0	0	0.007975
458	ALL		478665.8	3774572	NonCancerChronicHighEnd_InhSoilDermMMilkCrops	0	0	0	0	0	0	0.0079892	0	0	0	0	0	0	0	0.007989
476	ALL		478748.2	3774492	NonCancerChronicHighEnd_InhSoilDermMMilkCrops	0	0	0	0	0	0	0.0080453	0	0	0	0	0	0	0	0.008045
459	ALL		478678.6	3774582	NonCancerChronicHighEnd_InhSoilDermMMilkCrops	0	0	0	0	0	0	0.0088367	0	0	0	0	0	0	0	0.008837
457	ALL		478678.6	3774610	NonCancerChronicHighEnd_InhSoilDermMMilkCrops	0	0	0	0	0	0	0.009319	0	0	0	0	0	0	0	0.009319
452	ALL		478738.5	3774783	NonCancerChronicHighEnd_InhSoilDermMMilkCrops	0	0	0	0	0	0	0.010848	0	0	0	0	0	0	0	0.010848
473	ALL		478790.2	3774521	NonCancerChronicHighEnd_InhSoilDermMMilkCrops	0	0	0	0	0	0	0.011179	0	0	0	0	0	0	0	0.011179
450	ALL		478752.2	3774769	NonCancerChronicHighEnd_InhSoilDermMMilkCrops	0	0	0	0	0	0	0.013195	0	0	0	0	0	0	0	0.013195
451	ALL		478771.7	3774790	NonCancerChronicHighEnd_InhSoilDermMMilkCrops	0	0	0	0	0	0	0.013819	0	0	0	0	0	0	0	0.013819
460	ALL		478807.8	3774553	NonCancerChronicHighEnd_InhSoilDermMMilkCrops	0	0	0	0	0	0	0.015678	0	0	0	0	0	0	0	0.015678
444	ALL		478814.6	3774785	NonCancerChronicHighEnd_InhSoilDermMMilkCrops	0	0	0	0	0	0	0.022245	0	0	0	0	0	0	0	0.022245
446	ALL		478807	3774605	NonCancerChronicHighEnd_InhSoilDermMMilkCrops	0	0	0	0	0	0	0.026557	0	0	0	0	0	0	0	0.026557
443	ALL		478811.8	3774766	NonCancerChronicHighEnd_InhSoilDermMMilkCrops	0	0	0	0	0	0	0.026919	0	0	0	0	0	0	0	0.026919
449	ALL		478795.4	3774662	NonCancerChronicHighEnd_InhSoilDermMMilkCrops	0	0	0	0	0	0	0.033398	0	0	0	0	0	0	0	0.033398
468	ALL		478904.7	3774797	NonCancerChronicHighEnd_InhSoilDermMMilkCrops	0	0	0	0	0	0	0.033422	0	0	0	0	0	0	0	0.033422
469	ALL		478940.9	3774789	NonCancerChronicHighEnd_InhSoilDermMMilkCrops	0	0	0	0	0	0	0.037537	0	0	0	0	0	0	0	0.037537
448	ALL		478810.8	3774653	NonCancerChronicHighEnd_InhSoilDermMMilkCrops	0	0	0	0	0	0	0.041794	0	0	0	0	0	0	0	0.041794
470	ALL		479027.6	3774727	NonCancerChronicHighEnd_InhSoilDermMMilkCrops	0	0	0	0	0	0	0.043438	0	0	0	0	0	0	0	0.043438
447	ALL		478809.1	3774676	NonCancerChronicHighEnd_InhSoilDermMMilkCrops	0	0	0	0	0	0	0.043682	0	0	0	0	0	0	0	0.043682
442	ALL		478816.7	3774688	NonCancerChronicHighEnd_InhSoilDermMMilkCrops	0	0	0	0	0	0	0.051311	0	0	0	0	0	0	0	0.051311
445	ALL		478859.9	3774618	NonCancerChronicHighEnd_InhSoilDermMMilkCrops	0	0	0	0	0	0	0.054754	0	0	0	0	0	0	0	0.054754

Appendix B

Biological Resources Technical Memorandum

DUDEK
27372 CALLE ARROYO
SAN JUAN CAPISTRANO, CALIFORNIA 92675
T 949.450.2525 F 949.450.2626

Mr. Jared Samnet
JPI Companies
11988 El Camino Real, Suite 200
San Diego, California 92130

October 27, 2022

Subject: Biological Resources Technical Memorandum for the Fontana Apartments Project Located in the City of Fontana, San Bernardino County, California

Dear Mr. Samnet,

This biological resources technical memorandum documents the existing biological conditions for the approximately 11.7-acre subject property located at Assessor Parcel Numbers (APNs): 025-117-119, -25-132-117, -118, -119, -120, -121, -122, -123, -124, -125, -126, -127, -135, in the city of Fontana, San Bernardino County, California. This report evaluates the potential for special-status biological resources to occur on the project site based on the existing conditions observed during a biological reconnaissance and includes a discussion of potential impacts on biological resources due to project implementation. Potential project-related impacts will include recommendations to avoid or reduce impacts below a level of significance under CEQA.

Project Location

The project site is bound by Cypress Avenue to the west, Valley Boulevard to the north, Interstate 10 to the south, and Juniper Avenue to the east (Figure 1: Project Site). The project site is specifically located on a relatively flat, primarily undeveloped area mapped within The San Bernardino Principal Meridian, in Section 19 of Township 1 South Range 5 West of the Fontana, California 7.5-minute U.S. Geological Survey (USGS) topographic quadrangle (USGS 2022). For the purpose of this report, the area investigated included the entire 11.7-acre project site plus a 100-foot buffer around the project site boundary, for a total of approximately 20.3 acres (study area). The study area for the proposed project accounts for both on-site and off-site biological resources that may be impacted by the proposed project.

Project Description

The project includes construction of a 437-unit apartment complex and ancillary structures on an approximately 11.7-acre property that will be entirely developed by the project. In addition to the apartments, the project would include landscaping areas as well as surface parking for resident vehicles.

Methods

Literature Review

To evaluate the natural resources previously documented and potentially occurring within the study area, literature searches and database reviews were conducted by Dudek's biologists. The database review included the most recent versions of the California Natural Diversity Database (CNDDB) and special-status species lists (CDFW 2022a-2022e), and the California Native Plant Society's (CNPS) *Inventory of Rare and Endangered Plants* (CNPS 2022). These databases were reviewed to identify sensitive biological resources present or potentially present for the Fontana, California USGS 7.5-minute quadrangle on which the study area is located, and the eight surrounding quadrangles (Guasti, Cucamonga Peak, Devore, San Bernardino North, San Bernardino South, Corona North, Riverside West, and Riverside East).

Potential and/or historic drainages and aquatic features were investigated based on a review of USGS topographic maps (1:24,000 scale) aerial photographs, the U.S. Fish and Wildlife Service (USFWS) National Wetland Inventory (NWI) database (USFWS 2022a), and the Natural Resource Conservation Service's (NRCS) Web Soil Survey (USDA 2020a).

Soil Survey Review

Dudek reviewed the U.S. Department of Agriculture's National Resource Conservation Service database to determine soil characteristics on the study area. According to the NRCS Web Soil Survey (USDA 2022a), the study area occurs within the San Bernardino County Southwestern Part (CA677). Tujunga loamy sand, 0 to 5 percent slopes, is mapped within the entire study area (Figure 2: Biological Resources Map). Soils in the Tujunga series consist of mixed, thermic Typic Xerospamments. Tujunga soils are found on alluvial fans and floodplains at elevations of 6 to 2,000 feet above sea level. These soils are somewhat excessively drained with negligible to low runoff and high saturated hydraulic conductivity. Tujunga soils are extensively disturbed throughout the central and southern coastal plains and valleys of California. Additionally, no Delhi sands are mapped or present within the study area.

National Wetlands Inventory Review

A formal delineation of jurisdictional waters and wetlands was not conducted on the survey area because after an assessment of all potentially jurisdictional waters and wetlands during the biological reconnaissance, Dudek's biologist determined there are no natural drainages or wetland areas within the survey area that could potentially be regulated. During the biological reconnaissance all potentially jurisdictional drainages were assessed for their potential to be regulated under the CWA and California Fish and Game Code Section 1600 et seq. Additionally, a desktop analysis of hydrological watershed data and mapped wetland resources from the National Wetland Inventory was conducted prior to the reconnaissance to determine if any historic blue-line streams, watercourses, or wetlands were mapped on the survey area (USFWS 2022a). Although a formal jurisdictional delineation was not conducted, the assessment still followed regulatory methods and definitions of potentially regulated aquatic resources.

Pursuant to the CWA, ACOE, and RWQCB, jurisdictional areas include those supporting all three wetlands criteria described in the ACOE manual: hydric soils, hydrology, and hydrophytic vegetation. The ACOE/Environmental

Protection Agency Rapanos Guidance states that ACOE will regulate traditional navigable "waters of the United States," adjacent wetlands, and relatively permanent waters tributary to traditional navigable waters, and adjacent wetlands if there is a significant nexus from the site. Areas regulated by RWQCB/CDFW are generally coincident with areas regulated by ACOE, but can also include isolated features that have evidence of surface water inundation pursuant to the state Porter–Cologne Act. These areas generally support at least one of the three ACOE wetlands indicators, but are considered isolated through the lack of surface water hydrology/connectivity downstream.

Features that convey or hold water are regulated by multiple agencies. Federal, state, and local agencies have different definitions and terminology for these types of features. Water-dependent resources regulated by ACOE, RWQCB, CDFW, and the County of Riverside are collectively referred to as "jurisdictional aquatic resources" herein. Terminology used in this document to distinguish each jurisdictional aquatic resource according to the agency that regulates the resource is as follows:

- **ACOE and RWQCB:** "Wetland" and "non-wetland waters." Wetland waters of the United States and non-wetland waters of the United States are subject to regulation by ACOE and RWQCB, pursuant to the CWA. Within the biological survey area, ACOE waters of the United States and wetlands, and RWQCB waters of the United States and wetlands overlap, and therefore are combined under one term: "non-wetland waters" or "wetlands."
- **CDFW:** "Riparian areas" and "streambeds." Lakes, rivers, and streambeds, including any associated riparian habitat, are subject to regulation by CDFW, pursuant to Section 1600 et seq. of the California Fish and Game Code. Within the biological survey area, CDFW streambeds are synonymous with ACOE and RWQCB non-wetland waters. CDFW riparian areas are not synonymous with ACOE or RWQCB wetlands because these areas lacked all three federal wetland parameters (hydrophytic vegetation, hydric soils, and hydrology).

Biological Reconnaissance

Dudek biologist Kimberly Narel conducted a general biological reconnaissance of the study area on June 20, 2022. The survey was conducted from 0900 - 1030 a.m.; weather conditions were favorable with 0% cloud cover, wind speeds from 0-8 miles per hour, and a temperature range of 78° - 84° Fahrenheit (°F). All native and naturalized plant species encountered in the study area were identified and recorded. The potential for special-status plant and wildlife species to occur within the study area was evaluated based on the vegetation communities and soils present. Dudek used CDFW's Protocols for Surveying and Evaluating Impacts to *Special Status Native Plant Populations and Natural Communities* (CDFW 2018) and *List of Vegetation Alliances and Associates* (CDFW 2019), also referred to as the Natural Communities List, to map the entire study area. Vegetation communities and land covers were delineated to the vegetation alliance level, and where appropriate the association level, based on the Manual of California Vegetation (Sawyer, Keeler-Wolf, and Evans 2009). Some modifications, such as the Preliminary Descriptions of the Terrestrial Natural Communities of California (Holland 1986, and Oberbauer et al. 2008), were incorporated to accommodate the lack of conformity of the observed communities to those included in these references.

Latin and common names for plant species with a California Rare Plant Rank (CRPR) follow the CNPS *Inventory of Rare and Endangered Plants* (CNPS 2020). For plant species without a CRPR, Latin names follow the *Jepson Interchange List of Currently Accepted Names of Native and Naturalized Plants of California* (Jepson Flora Project

2020), and common names follow the Unites States Department of Agriculture's Natural Resources Conservation Service Plants Database (USDA 2020b). Latin and common names of animals follow Crother (2008) for reptiles and amphibians, American Ornithologist's Union for birds (AOU 2016), Wilson and Reeder (2005) for mammals, North American Butterfly Association (NABA 2016), and Moyle (2002) for fish.

Dudek also conducted an assessment for the presence of waters or wetlands potentially subject to regulatory agency jurisdiction, including searching for the presence or drainage features and topographic features and soils that could support standing water. However, a formal wetland delineation was not conducted as part of the biological reconnaissance.

Results

Study Area Description

Based on the database reviews and biological reconnaissance, the study area is characterized as predominantly undeveloped non-native grassland with disturbed habitat. Vegetation currently present on the study area is dominated by non-native grassland with evidence of past agricultural tilling and/or discing. Scattered ornamental vegetation occurs in the center of the study area and borders portions of the northern and southern project site boundaries. Disturbed habitat occurs on the southeastern portion of the study area and is characterized by a concrete foundation with compacted gravel used as a semi-truck offloading and rest area. Dirt pedestrian access paths bisect the study area from Valley Boulevard southeast to the concrete foundation. Representative photographs of the study area are included in Appendix B, Site Photo Log. The entire study area has been previously graded and compacted and is relatively flat, ranging in elevation from approximately 1,110 feet to 1,120 feet above mean sea level (AMSL). The western portion of the study area has been previously tilled and/or disced. The study area occurs in an urban setting and is surrounded by a mixture of residential and commercial development and paved streets.

Vegetation Communities and Land Covers

Three vegetation communities and/or land cover types were observed on the study area during the biological reconnaissance: non-native grassland, disturbed habitat, and developed land. No natural or native vegetation communities were observed on the study area during the biological reconnaissance (Figure 2: Biological Resources Map). There are no sensitive vegetation communities within the study area. No exposed soils were observed within the study area that have not been heavily altered and compacted for prior development or existing semi-truck parking. Any natural vegetation communities that historically occurred on the study area have been removed during previous grading of the project site and immediate surroundings. Evidence of tilling and/or discing was observed on the western portion of the project site. The three vegetation communities and/or land covers observed on the study area are described in further detail herein.

Non-Natural and Unvegetated Land Covers

Non-Native Grassland. The non-native grassland mapping unit is not recognized by the Natural Communities List (CDFW 2020e) but is described by Oberbauer et al. (2008). Non-native grassland is the dominant vegetation type on the study area. It consists of ruderal forbs, spurges, and herbaceous annual and perennial species. Characteristic species of this community observed within the study area include: bromes (*Bromus diandrus, B. tectorum*), wall barley (*Hordeum murinum*), Bermuda grass (*Cynodon dactylon*), spotted spurge (*Euphorbia*

maculata), and common stork's bill (*Erodium cicutareum*), with London rocket (*Sysimbrium irio*), shortpod mustard (*Hirschfeldia incana*), and southern Russian thistle (*Salsola tragus*) interspersed throughout the shrub layer. Native herbaceous annual plants including horseweed (Erigeron canadensis), western ragweed (*Ambrosia psilostachya*), and flatspine bur ragweed (*Ambrosia acanthicarpa*) occur sporadically in the southern portion of the non-native grassland along with common fiddleneck (*Amsinckia intermedia* var. *intermedia*), telegraph weed (*Heterotheca grandiflora*), and Wright's cudweed (*Pseudognaphalium microcephalum*). Sacred datura (*Datura wrightii*), a native shrub, occurs in patches of the non-native grassland along with ornamental vegetation in the center of the project site. A total of approximately 10.2 acres of non-native grassland occurs within the study area.

Disturbed Habitat. The disturbed mapping unit is not recognized by the Natural Communities List (CDFW 2020e) but is described by Oberbauer et al. (2008). Disturbed land typically refers to areas that lack vegetation but still retain a previous surface, or that are dominated by sparse cover or ruderal vegetation. Approximately 1.14 acres disturbed habitat on the study area consists of dirt pedestrian access paths leading to a square patch of concrete foundation with compacted gravel on the southeastern portion of the project site. This area is used for semi-truck parking and as a rest stop. The concrete foundation is heavily cracked, with ruderal grasses and weeds growing sporadically through the gravel before transitioning to surrounding non-native grassland on the study area. In addition, a dirt pedestrian access path follows the northern project site boundary along Valley Boulevard, and contains a line of ornamental trees.

Urban/Developed Land. The urban and developed mapping unit is not recognized by the Natural Communities List (CDFW 2020e) but is described in Oberbauer et al. (2008). Developed land typically includes areas that have been constructed upon and do not contain any naturally occurring vegetation. These areas are generally characterized as graded land with asphalt and concrete placed upon it. Developed areas mapped for the study area include the existing paved, graded, compacted, and cleared portions of the project site. A total of approximately 8.94 acres of urban and developed land occurs within the study area, consisting of surrounding commercial and urban development, Valley Boulevard, and Juniper Avenue.

Ornamental trees and shrubs observed on the southern and northern project site boundaries are associated with adjacent paved roads as well as residential and commercial development. Ornamental plantings on the study area did not meet the minimum mapping unit threshold to include as a separate mapped vegetation community. Characteristic ornamental species observed include *Eucalyptus sp.*, Japanese honeysuckle (*Lonicera japonica*), golden wattle (*Acacia pycnantha*), Chinaberry (*Melia azedarach*), Korean mulberry *(Morus indica*), common olive (*Olea europaea*), tree of heaven (*Ailanthus altissima*), Mediterranean cypress (*Cupressus sempervirens*), and Lantana (*Lantana camara*). One native tree, western sycamore (*Platanus racemosa*), occurs within the ornamental vegetation bordering the southeastern project site boundary. In addition, a row of Eucalyptus trees follows a chain-link fence that bisects the two undeveloped parcels on the project site and continues along a portion of the northern project site boundary, parallel to Valley Boulevard.

Table 1 provides a summary of each land cover's extent within the study area.

Table 1 Vegetation Communities and Land Covers within the Project Site and Study Area

Vegetation Community/Land Cover	Project Site (Acres)	Study Area (Acres)
Non-Native Grassland	9.81	0.39
Disturbed Habitat	1.02	0.13

Urban/Developed Land	0.85	8.10
Total	**11.68**	**8.62**

As no sensitive or native vegetation communities are present on the study area, no significant direct or indirect impacts to sensitive vegetation communities will occur from vegetation clearing for construction of the proposed project. Direct impacts to sensitive vegetation communities would be considered significant absent mitigation under CEQA.

Wildlife

The study area consists of non-native grassland and ornamental vegetation that provides potentially suitable habitat for wildlife species that occur in urbanized settings. Wildlife use and species diversity was limited during the biological reconnaissance. Species observed or detected included mourning dove (*Zenaida macroura*), house finch (*Carpodacus medicanus*), house sparrow (*Passer domesticus*), American crow (*Corvus brachyrhynchos*), California ground squirrel (*Otospermophilus beecheyi*), and western fence lizard (*Sceloporus occidentalis*). No amphibian or aquatic species were observed within the study area. The complete list of plant and wildlife species observed within the study area is included in Appendix A, Species Compendium.

No active bird nests were observed during the field visit; however, ornamental trees within the study area could support nesting migratory birds, particularly along the northern and southern project site boundaries. Two small animal burrows were observed within the center of the study area adjacent to a disturbed dirt path. However, the shallow depth, diameter at less than four inches, and evidence of disuse (detritus, webbing, partially infilled) observed indicates the burros are inactive. Further, the size and shape of the burrows taper inward and are not suitable for burrowing owl. No indirect evidence of burrowing owl activity (pellets, whitewash, insect carapaces) was observed on the study area. Small animal burrows may be used by a variety of species, including rodents and reptiles that are accustomed to urban environments, such as California ground squirrel and western fence lizard. Details regarding the potential for special status species to occur within the study area are discussed below.

Special-Status Species

Special-Status Plant Species

Special-status plant species include those listed, or candidate for listing, as threatened or endangered by USFWS or CDFW, or species identified as rare by CNPS (particularly CRPR 1A – Presumed extinct in California; CRPR 1-B – Rare, threatened, or endangered throughout its range; and CRPR 2 – Rare or Endangered in California, more common elsewhere). A total of 82 special-status plant species were reported in the CNDDB, USFWS, and CNPS databases as occurring within the vicinity of the study area (CNPS 2022). Appendix C: Plant Species with a Potential to Occur on the Study Area, includes the species lists provided from these database searches that were evaluated as part of this assessment. For each species evaluated, a determination was made regarding the potential for the species to occur on site based on information gathered during the field reconnaissance, including the location of the site, habitats present, current site conditions, and past and present land use.

Of the 82 special-status plant species listed in the CNDDB, CNPS, and USFWS databases as occurring in the vicinity of the study area, 68 species were determined to have no potential to occur within the study area based

on an evaluation of species ranges/elevation and known habitat preferences. No special-status plant species were determined to have a moderate or high potential to occur on the study area. However, 12 special-status species were determined to have a low potential to occur due to limited suitable habitat within the study area (Appendix C: Special-Status Plant Species with a Potential to Occur on the Study Area). Of those, two are listed as endangered by FESA and/or CESA: San Diego ambrosia (*Ambrosia pumila*), and thread-leaved brodiaea (*Brodiaea filifolia*). While suitable grassland capable of supporting these two species are present onsite, the study area has been graded and compacted in the past, with refuse from pedestrian traffic, and evidence of recent tilling and/or discing on the western portion of the project site, making for poor growth conditions. In addition, no wetlands, vernal pools, or other mesic habitat capable of supporting thread-leaved brodiaea and San Diego ambrosia were observed on the study area.

Due to the on-going disturbances from semi-truck offloading and pedestrian traffic that currently occur within the study area, the limited grassland habitat onsite is of low quality. As such, protocol-level rare plant surveys were not conducted. The remaining special-status plant species determined to have a low potential to occur are on the study area are not listed by FESA or CESA but are identified as rare by CNPS, and are not discussed in this report further. The complete list of plant species evaluated with a determination of their potential to occur on the study area is provided in Appendix C.

Therefore, vegetation clearing for construction of the proposed project is anticipated to have no significant direct or indirect impact to special-status plant species.

Special-Status Wildlife Species

Special-status wildlife include those listed, or candidates for listing, as threatened or endangered by USFWS or CDFW, or designated as a Species of Special Concern by CDFW (CDFW 2022 b, c). No special-status wildlife species were detected onsite during the biological reconnaissance. A total of 64 special-status wildlife species were reported in the CNDDB and USFWS databases as occurring in the vicinity of the study area. Appendix D: Special-Status Wildlife Species with a Potential to Occur on the Study Area, summarizes the special-status wildlife species that were included in these databases and evaluated as part of this assessment. For each species evaluated, a determination was made regarding the potential use of the site based on information gathering during the field reconnaissance, known habitat preferences, and knowledge of their relative distributions in the area.

Of the 64 special-status wildlife species listed in the CNDDB and USFWS databases as occurring in the vicinity of the study area, 50 species were determined to have no potential to occur based on an evaluation of species ranges/elevation and known habitat preferences. No special-status species were determined to have a moderate or high potential to occur on the study area. However, 14 special-status species were determined to have a low potential to occur due to limited suitable habitat within the study area. None of these species were observed during the biological reconnaissance. In addition, it is unlikely that special-status mammals or reptiles will occupy the low-quality grassland on the study area due to compacted soils from prior grading onsite that make for poor burrowing conditions. No evidence of burrow activity was observed on the study area, including the western portion where prior tilling and/or discing created loose, upturned soil. The few inactive animal burrows observed in the center of the project site were infilled, shallow, and not large enough in diameter to support burrowing owl. However, ornamental shrubs and trees bordering the project site boundary could support nesting special-status birds and migratory bird species protected by the Migratory Bird Treaty Act (MBTA).

Note that Delhi sands flower-loving fly (*Rhaphiomidas terminatus abdominalis*) is a special-status species of concern in the area due to nearby Delhi fine sands. These species will be further discussed below. The remaining species with no potential to occur or low potential to occur are omitted from further discussion in this report due to limited low-quality habitat onsite. The complete list of wildlife species evaluated with a potential to occur on the study area is provided in Appendix D.

Delhi Sands Flower-Loving Fly Habitat

There are no historically mapped areas of Delhi sand within the study area. Delhi sand or any remnants of previously sandy areas were not observed during the survey, and the nearest occurrence of Delhi fine sand is approximately 0.7 miles southwest of the project site (USDA 2022a). However, there are onsite (within entire Fontana USGS 24k quadrant) occurrence records of Delhi sands flower loving fly, the most recent from 2013 (CDFW 2022a). The Delhi sands flower-loving fly typically occurs in areas with Delhi sands present but has been found in other sandy habitats; however, the study area is devoid of native vegetation and there are no exposed soils on site that have not been compacted and heavily altered. While one of the two host plants most commonly associated with the species, telegraph weed (*Heterotheca grandiflora*) was observed on the study area, the other, California buckwheat (*Eriogonum fasciculatum*), was not observed onsite during the biological reconnaissance. Additionally, no sand dune habitat for this species occurs on the study area, and as such, there is no potential for the Delhi sands flower-loving fly to occur.

Given the low-quality, fragmented, and disturbed habitat on the project site, and location within an urban area, there is no moderate or high potential for special-status species to occur on the study area, and as such, no protocol-level focused special-status species surveys were conducted. Vegetation clearing for construction of the proposed project is anticipated to have no significant direct or indirect impact on special-status species.

Jurisdictional Waters and Wetlands

No formal jurisdictional wetland delineation was conducted on the study area. However, a preliminary assessment of potential jurisdictional waters on the study area during the biological reconnaissance determined there are no waterways or drainages within the project site that would be subjected to regulatory agency jurisdiction. Additionally, no wetlands or riparian habitats were observed on the project site. Lastly, no soils mapped on the study area are considered hydric. As currently designed, vegetation clearing and construction of the proposed project would not directly impact jurisdictional waters and wetlands. No significant direct impacts to jurisdictional waters and wetlands are anticipated to occur as a result of construction of the proposed project.

However, the NWI dataset depicts a mapped channelized concrete flood channel within the southern portion of the study area buffer, approximately 60 feet south of the project site boundary footprint (Figure 2: Biological Resources Map) (USFWS 2022a). The Cowardin classification code of this NWI-mapped flood channel is R5UBFx (Riverine system, Unknown Perennial subsystem, Unconsolidated Bottom, Semi-permanently Flooded, Excavated). This flood control channel flows east-west into the West Fontana Channel, a tributary to San Sevaine Channel and ultimately the Santa Ana River. Although proposed construction activities are not anticipated to directly impact or encroach into this concrete flood channel, indirect impacts (i.e., stormwater runoff, chemical spills, sedimentation, dust) could occur. Indirect project impacts to mapped jurisdictional waters and wetlands are considered significant absent mitigation and/or permitting from ACOE, RWQCB, and/or CDFW.

Wildlife Corridors and Habitat Linkages

Wildlife corridors are linear features that connect large patches of natural open space and provide avenues for the migration of animals. Wildlife corridors contribute to population viability by assuring continual exchange of genes between populations, providing access to adjacent habitat areas for foraging and mating, and providing routes for recolonization of habitat after local extirpation or ecological catastrophe (e.g., fires).

Habitat linkages are small patches that join larger blocks of habitat and help reduce the adverse effects of habitat fragmentation. Habitat linkages provide a potential route for gene flow and long-term dispersal of plants and animals and may serve as primary habitat for smaller animals such as reptiles and amphibians. Habitat linkages may be continuous habitat or discrete habitat islands that function as steppingstones for dispersal.

The entire study area is surrounded by development and no portions of the study area function as a wildlife corridor or linkage that connect to larger habitat areas in the region, such as the Santa Ana River further south. The study area is not mapped as an important wildlife corridor or linkage and occurs on a fragmented, low quality, previously disturbed (graded and disced/tilled) area surrounded by residential and commercial development, with Interstate 10 immediately to the south of the southernmost project site boundary. On a local scale, the study area may function as a linkage for small to medium-sized mammals and reptiles to use the project site as a corridor, to travel locally to fragmented undeveloped parcels to the south and northeast. However, Interstate 10 is a paved road with consistent high traffic volume that would significantly impede local wildlife movement. As such, no direct or indirect impacts to wildlife corridors and habitat linkages would result from vegetation clearing for construction of the proposed project on the study area. Proposed project development on the study area would have no significant impact to wildlife corridors and habitat linkages.

Local Policies and Ordinances

The City of Fontana's Tree Preservation and Protection Ordinance (Chapter 28, Article III of the City's Code of Ordinances) regulates the planting, maintenance, preservation, and removal of heritage, significant, and specimen tree species within the city (City of Fontana 2016). A heritage tree means any tree which is: 1) of historical value because of its association with a place, building, natural feature or event of local, regional, or national historical significance as identified by city council resolution; 2) is representative of a significant period of the city's growth or development (windrow tree, European olive tree; 3) is a protected or endangered species as specified by federal or state statute; or 4) is deemed historically or culturally significant by the city manager or their designee because of size, condition, location, or aesthetic qualities. Significant trees are defined as any of the following species: southern California black walnut (*Juglans californica*), coast live oak (*Quercus agrifolia*), Deodora cedar (*Cedrus deodora*), California sycamore (*Platanus racemosa*), and London plane (*Platanus acerifolia*). A specimen tree is defined as a mature tree which is not a heritage or significant tree that is an excellent example of its species in structure and aesthetics and warrants preservation, relocation, or replacement (City of Fontana 2016).

The study area contains heritage and significant trees protected by the City of Fontana Code of Ordinances (Section 28, Article III, City of Fontana 2016). Specifically, one significant tree, a western sycamore, occurs on the southeastern project site boundary, adjacent to Juniper Avenue. In addition, one heritage tree, a European olive, is interspersed with other ornamental vegetation and a row of Eucalyptus trees along the southern project site boundary, associated with adjacent commercial and residential development. Scattered Eucalyptus trees were

observed along a chain-link fence that bisects the disced/tilled soils on the western side of the project site from the previously graded and compacted soil on the central and eastern portions of the project site. A third row of Eucalyptus trees occurs along the northern project site boundary parallel to Valley Boulevard. These may be considered Eucalyptus windrows. A windrow is defined as a series of trees (minimum of four), usually a variety of Eucalyptus, planted in a closely spaced line no more than 10 feet apart to provide a windbreak for the protection of property and/or agricultural crops (City of Fontana 2016). The rows of Eucalyptus trees on the study area, if considered windrows, are also considered heritage trees.

Direct and indirect impacts to protected trees would occur from vegetation clearing for construction of the proposed project. Given that compliance with the City's Tree Preservation and Protection Ordinance is required, construction of the proposed project would not conflict with local policies or ordinances protecting biological resources, such as a tree preservation policy or ordinance.

Regional Resource Planning Context

The study area does not occur within any approved, in process, or implementing Habitat Conservation Plan (HCP) or Natural Community Conservation Plans (NCCP) for local or regional protection of species. As such, construction of the proposed project will not result in direct or indirect impacts to regional habitat conservation plans.

Recommendations

This section addresses the anticipated impacts (direct, indirect, and cumulative) to biological resources that would result from implementation of the proposed project. The following recommendations would reduce any proposed or potential impacts to the thresholds provided in the California Environmental Quality Act Guidelines Section 15064(b) and Appendix G Environmental Checklist to a less than significant level. Recommendations are included for the evaluation of the project's impacts on potentially affected resources such as nesting birds and local policies and ordinances. No focused surveys for special-status species are recommended as the study area consists of fragmented, low-quality habitat with no moderate or high potential for special-status plants and wildlife to persist.

Nesting Birds

The eucalyptus trees and other ornamental plantings located within the study area may provide suitable nesting, roosting and foraging habitat for various bat and raptor species. As such, avoid construction activities during the bird nesting season (generally February 1 through August 30) to ensure compliance with the federal Migratory Bird Treaty Act and California Fish and Game Code Section 3500 et seq. If avoidance of the nesting season is not feasible, then a pre-construction nesting bird survey should be conducted by a qualified biologist within a maximum of 3 days prior to the start of construction in areas that could support tree-, shrub-, and ground-nesting birds to ensure that birds are not engaged in active nesting within 100 feet of the project's construction limits. If nesting birds are discovered during the pre-construction survey, then the qualified biologist should identify an appropriate buffer where no ground-breaking activities are allowed to occur until after the birds have fledged from the nest. The active nest buffer size depends on the species' sensitivity to disturbance (typically 500 feet for raptors and 300 feet for passerines), and ongoing biological monitoring during construction may be required. Construction activities may take place in other areas on the project site, outside of the nest avoidance buffer, unless authorized by an on-site monitoring biologist.

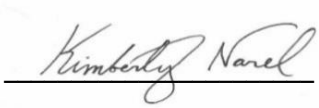
City of Fontana Tree Preservation and Protection Ordinance

A tree removal permit must first be obtained from the community development department prior to removal of any heritage or significant tree protected on the study area by the City's Tree Preservation and Protection Ordinance (City of Fontana 2016). To ensure compliance with the City's Tree Preservation and Protection Ordinance and apply for tree removal permits, a tree inventory is recommended to be conducted by a certified Arborist prior to project implementation to identify the location, number, species, diameter, and height of all onsite heritage (including potential Eucalyptus windrows) and significant trees in relation to proposed project improvements. An Arborist Report should be prepared by the certified arborist, wherein all applicable on-site trees that would be expected to be removed by the project will be evaluated, and outline replacement procedures for all eligible trees to be removed from the project site.

Pursuant to the City's Code of Ordinances, tree replacement is required for potential impacts to significant and heritage trees on the study area that would be removed by vegetation clearing for construction of the proposed project. Tree replacement ratio is dependent on overall condition and size of the protected trees onsite. Heritage and significant tree preservation on the site is preferred to relocation or replacement. Eucalyptus windrow trees not along the existing public right-of-way which cannot be preserved or relocated shall be replaced according to the guidelines established in Section 28-67(a)(2) of the City of Fontana Code of Ordinances.

If you have any comments or questions regarding the contents of this report, please feel free to contact me at 949.508.5745, knarel@dudek.com, or Dudek Senior Biologist Tommy Molioo (tmolioo@dudek.com).

Sincerely,



Kimberly Narel
Biologist

Appendices:
Figure 1: Project Site
Figure 2: Biological Resources Map
A – Species Compendium
B – Site Photo Log
C – Plant Species with a Potential to Occur on the Study Area
D – Special-Status Wildlife Species with a Potential to Occur on the Study Area

References

AOU (American Ornithologists' Union). 2016. https://americanornithology.org/

CDFW (California Department of Fish and Wildlife). 2019. List of Vegetation Alliances and Associations. https://nrm.dfg.ca.gov/FileHandler.ashx?DocumentID=153398&inline.

CDFW. 2018. "Protocols for Surveying and Evaluating Impacts to Special Status Native Plant Populations and Sensitive Natural Communities." https://nrm.dfg.ca.gov/FileHandler.ashx?DocumentID=18959.

CDFW. 2022a. California Natural Diversity Database (CNDDB). RareFind 5.2.14 (Commercial Subscription). Sacramento, California: CDFW, Biogeographic Data Branch. Accessed October 2022. https://map.dfg.ca.gov/rarefind/view/RareFind.aspx.

CDFW. 2022b. "State and Federally Listed Endangered, Threatened, and Rare Plants of California." California Natural Diversity Database. CDFW, Biogeographic Data Branch.

CDFW. 2022c. "State and Federally Listed Endangered and Threatened Animals of California." California Natural Diversity Database. CDFW, Biogeographic Data Branch.

CDFW. 2022d. Natural Diversity Database. November 2018. Special Animals List. Periodic publication.

CDFW. 2022e. "California Natural Community List." Sacramento, California: CDFW. June 2020. Accessed October 2022 at https://www.wildlife.ca.gov/Data/VegCAMP/Natural-Communities.

CNPS. 2022. Inventory of Rare and Endangered Plants (online edition, v8-03 0.45). Sacramento, California: California Native Plant Society. Accessed October 2022. www.rareplants.cnps.org.

Holland, R.F. 1986. Preliminary Descriptions of the Terrestrial Natural Communities of California. NongameHeritage Program, California Department of Fish and Game. October 1986.

Jepson Flora Project. 2020. Jepson eFlora. Berkeley, California: University of California. Accessed October 2022. http://ucjeps.berkeley.edu/interchange/index.html.

Moyle, P.B. 2002. Inland Fishes of California, University of California Press, Berkeley and Los Angeles, 502 pp.

NABA (North American Butterfly Association) 2016. "Checklist of North American Butterflies Occurring North of Mexico." Adapted from NABA Checklist & English Names of North American Butterflies, eds. B. Cassie, J. Glassberg, A. Swengel, and G. Tudor. 2nd ed. Morristown, New Jersey. NABA. http/www.naba.org/pubs/enames2_3.html

Nafis, Gary. 2000-2022. California Herps - A Guide to the Amphibians and Reptiles of California. Accessed October 2022. http://www.californiaherps.com/

Oberbauer, T., Meghan Kelly, and Jeremy Buegge. 2008. Draft Vegetation Communities of San Diego County. Based on "Preliminary Descriptions of the Terrestrial Natural Communities of California."

Sawyer, J., T. Keeler-Wolf, and J. Evens. 2009. The Manual of California Vegetation, 2nd Edition. Sacramento, California: California Native Plant Society.

Tom Dodson & Associates. 2010. *Biological Constraints Analysis for the Southwest Industrial Park Specific Plan Amendment*. Updated March 2010. City of Fontana, San Bernardino County. Combined appendices. p. 1118 - 1146.

USDA (U.S. Department of Agriculture). 2022a. "Web Soil Survey." USDA Natural Resources Conservation Service, Soil Survey Staff. Accessed October 2022. http://websoilsurvey.nrcs.usda.gov/.

USDA. 2022b. California State PLANTS Checklist. Accessed October 2022. http://plants.usda.gov/dl_state.html.

USFWS (U.S. Fish and Wildlife Service). 2022a. National Wetlands Inventory. Accessed October 2022. https://www.fws.gov/wetlands/data/Mapper.html

USFWS. 2022b. "Critical Habitat and Occurrence Data". Accessed October 2022. http://www.fws.gov/data.

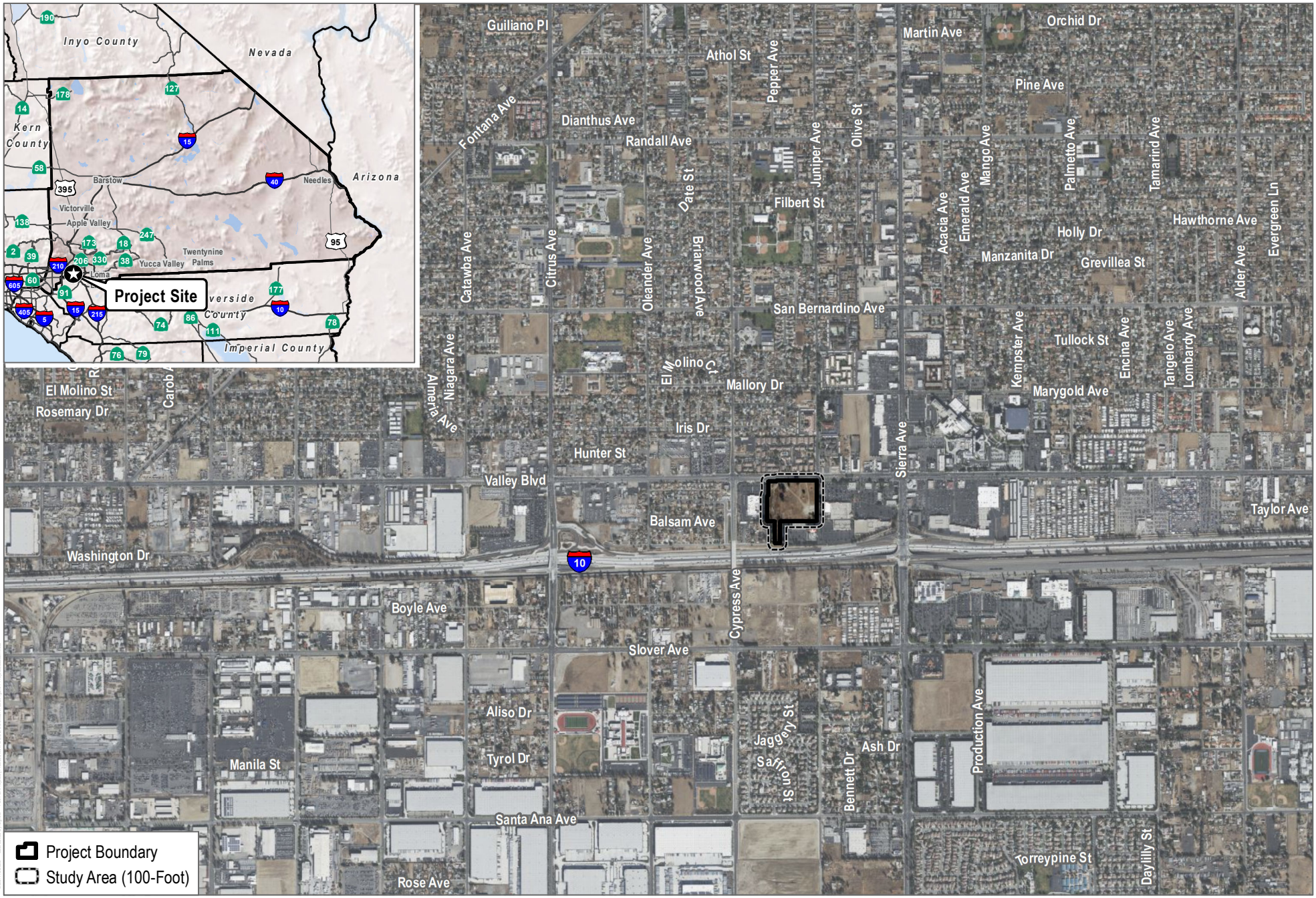
USFWS. 2022c. Environmental Conservation Online System. Information, Planning and Conservation System (IPaC). Accessed October 2022. https://ecos.fws.gov/ipac/.

USGS (U.S. Geological Survey). 2022a. U.S. Topo: Maps for America. 7.5-minute topographic quadrangles reviewed for potential habitat and jurisdictional resources. https://www.usgs.gov/core-sciencesystems/national-geospatial-program/us-topo-maps-america?qtscience_support_page_related_con=0#qt-science_support_page_related_con

USGS. 2022b. National Hydrography Dataset: GIS Online viewer. Accessed October 2022. http://nhd.usgs.gov/.

Wilson, D.E., and D.M. Reeder, eds. 2005. Mammal Species of the World: A Taxonomic and Geographic Reference. 3rd ed. Baltimore, Maryland: Johns Hopkins University Press.

Figure 1
Project Site



SOURCE: Open Street Map; Bing Maps

DUDEK

0 1,000 2,000 Feet

FIGURE 1

Project Location

JPI Fontana Project

Figure 2
Biological Resources Map



SOURCE: USFWS; Open Street Map; Bing Maps

DUDEK

0 150 300 Feet

FIGURE 2

Biological Resources

JPI Fontana Project

Appendix A
Species Compendium

Plant Species

Angiosperms (Dicots)

AMARANTHACEAE – AMARANTH FAMILY

* *Chenopodium album* – common lambsquarters
* *Salsola tragus* – prickly Russian thistle, common saltwort

ASPARAGACEAE – ASPARAGUS FAMILY

* *Agave americana* – century plant

ASTERACEAE – SUNFLOWER FAMILY

Ambrosia acanthicarpa – flatspine bur ragweed, annual bur-sage
Ambrosia psilostachya – western ragweed
Erigeron canadensis – horseweed
Heterotheca grandiflora – telegraph weed
* *Lactuca serriola* – prickly lettuce
Pseudognaphalium microcephalum – Wright's cudweed
* *Verbesina encelioides* – cowpen daisy

BORAGINACEAE – BORAGE FAMILY

Amsinckia menziesii var. intermedia – common fiddleneck

BRASSICACEAE – MUSTARD FAMILY

* *Hirschfeldia incana* – short-pod mustard
* *Sisymbrium irio* – London rocket

CAPRIFOLIACEAE – HONEYSUCKLE FAMILY

* *Lonicera japonica* – Japanese honeysuckle

EUPHORBIACEAE – SPURGE FAMILY

* *Euphorbia maculata* – spotted spurge

FABACEAE – LEGUME FAMILY

* *Acacia pycnantha* – golden wattle

GERANIACEAE – GERANIUM FAMILY

* *Erodium cicutareum* – common stork's bill, redstem filaree

MALVACEAE – MALLOW FAMILY

* *Malva parviflora* – cheeseweed

MELIACEAE – MAHOGANY FAMILY

* *Melia azedarach* – Chinaberry

MORACEAE – MULBERRY FAMILY

* *Morus indica* – Korean mulberry

MYRTACEAE – MYRTLE FAMILY

* *Eucalyptus sp.* – Eucalyptus species

OLEACEAE – OLIVE FAMILY

* *Olea europaea* – European olive, common olive

PLANTANACEAE – PLANTAIN FAMILY

Platanus racemosa – western sycamore

SIMAROUBACEAE – QUASSIA FAMILY

* *Ailanthus altissima* – tree of heaven

SOLANACEAE – NIGHTSHADE FAMILY

Datura wrightii – sacred datura

VERBENACEAE – VERBENA FAMILY

* *Lantana camara* – lantana

ZYGOPHYLLACEAE – CALTROPS FAMILY

* *Tribula terrestris* – puncture vine

Angiosperms (Monocots)

POACEAE - GRASS FAMILY

* *Bromus diandrus* – great brome
* *Bromus tectorum* – cheatgrass
* *Cynodon dactylon* – Bermuda grass
* *Hordeum murinum* – wall barley
* *Pennisetum alopecuroides* – fountain grass

Gymnosperms (Monocots)

CUPRESSACEAE – CYPRESS FAMILY

* *Cupressus sempervirens* – Mediterranean cypress

Wildlife Species – Vertebrates

Birds

COLUMBIDAE – PIGEONS AND DOVES

Zenaida macroura – mourning dove

CORVIDAE – JAYS AND CROWS

Corvus brachyrhynchos – American crow

FRINGILLIDAE – FINCHES

Carpodacus mexicanus – house finch

PASSERIDAE – NEW WORLD SPARROWS

Passer domesticus – house sparrow

Mammals

SCIURIDAE – SQUIRRELS

Otospermophilus beecheyi – California ground squirrel

Reptiles

IGUANIDAE – IGUANID LIZARDS

Sceloporus occidentalis – western fence lizard

* signifies introduced (non-native) species

Appendix B
Site Photo Log



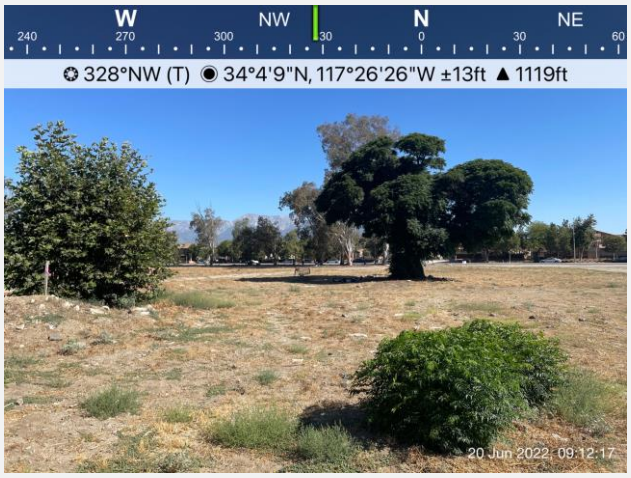
1. Overview of the Project Site from the west



2. Disturbed area used for semi-truck vehicle parking on southeastern portion of the Project Site



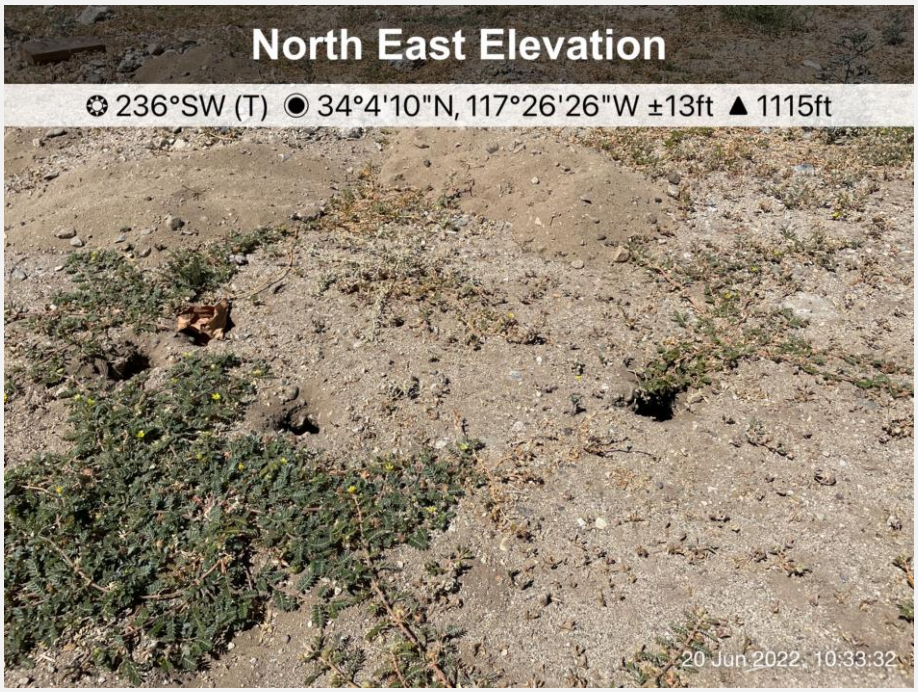
3. View from the center of the Project Site, facing southwest



4. Center of the Project Site, facing northwest



5. Southernmost portion of the Project Site, facing south



6. Inactive and/or partially filled small animal burrows in the center of the project site

Appendix C
Plant Species with a Potential to Occur on the Study Area

Scientific Name	Common Name	Status (Federal/State/ CRPR)	Primary Habitat Associations/ Life Form/ Blooming Period/ Elevation Range (feet)	Potential to Occur
Low Potential to Occur				
Ambrosia pumila	San Diego ambrosia	FE/None/1B.1	Chaparral, Coastal scrub, Valley and foothill grassland, Vernal pools; Alkaline (sometimes), Clay (sometimes), Disturbed areas (often), Loam (sometimes), Sandy (sometimes)/perennial rhizomatous herb/Apr–Oct/65–1,360	Low potential to occur. Grassland and disturbed habitat present with sandy loam. However, no vernal pools, clay or alkaline soils onsite. No occurrence records within 5 miles of the project site.
Brodiaea filifolia	thread-leaved brodiaea	FT/SE/1B.1	Chaparral, Cismontane woodland, Coastal scrub, Playas, Valley and foothill grassland, Vernal pools; Clay (often)/perennial bulbiferous herb/Mar–June/80–3,670	Low potential to occur. Grassland present. However, no vernal pools or clay substrate onsite. No occurrence records within 5 miles of the project site.
Calochortus catalinae	Catalina mariposa lily	None/None/4.2	Chaparral, Cismontane woodland, Coastal scrub, Valley and foothill grassland/perennial bulbiferous herb/(Feb)Mar–June/50–2,295	Low potential to occur. Grassland present. No occurrence records within 5 miles of the project site.
Calochortus plummerae	Plummer's mariposa-lily	None/None/4.2	Chaparral, Cismontane woodland, Coastal scrub, Lower montane coniferous forest, Valley and foothill grassland; Granitic, Rocky/perennial bulbiferous herb/May–July/330–5,575	Low potential to occur. Grassland present but no granitic or rocky substrate onsite. Nearest occurrence record is 3.5 miles southeast of the project site, from 1998.
Calochortus simulans	La Panza mariposa-lily	None/None/1B.3	Chaparral, Cismontane woodland, Lower montane coniferous forest, Valley and foothill grassland; Granitic (often), Sandy, Serpentinite (sometimes)/perennial bulbiferous herb/Apr–June/1,065–3,770	Low potential to occur. Grassland and sandy loam onsite. However, no granitic or serpentine soils present. No occurrence records within 5 miles of the project site.
Calochortus weedii var. intermedius	intermediate mariposa-lily	None/None/1B.2	Chaparral, Coastal scrub, Valley and foothill grassland; Rocky/perennial bulbiferous herb/May–July/345–2,805	Low potential to occur. Grassland present but no rock substrate onsite. No occurrence records within 5 miles of the project site.
Carex comosa	bristly sedge	None/None/2B.1	Coastal prairie, Marshes and swamps, Valley and foothill grassland/perennial rhizomatous herb/May–Sep/0–2,050	Low potential to occur. Grassland present but no mesic habitat onsite and the site is inland. No occurrence records within 5 miles of the project site.

Scientific Name	Common Name	Status (Federal/State/ CRPR)	Primary Habitat Associations/ Life Form/ Blooming Period/ Elevation Range (feet)	Potential to Occur
Centromadia pungens ssp. laevis	smooth tarplant	None/None/1B.1	Chenopod scrub, Meadows and seeps, Playas, Riparian woodland, Valley and foothill grassland; Alkaline/annual herb/Apr–Sep/0–2,095	Low potential to occur. Grassland present but no alkaline substrate. No occurrence records within 5 miles of the project site.
Chorizanthe parryi var. parryi	Parry's spineflower	None/None/1B.1	Chaparral, Cismontane woodland, Coastal scrub, Valley and foothill grassland; Openings, Rocky (sometimes), Sandy (sometimes)/annual herb/Apr–June/900–4,000	Low potential to occur. Grassland present with sandy loam substrate. However site is moderately disturbed and consists of non-native grasses and forbs and disturbed habitat. Nearest occurrence record is 2 miles southwest from the project site, historic (1903), and possibly extirpated.
Deinandra paniculata	paniculate tarplant	None/None/4.2	Coastal scrub, Valley and foothill grassland, Vernal pools; Sandy (sometimes), Vernally Mesic (usually)/annual herb/(Mar)Apr–Nov/80–3,080	Low potential to occur. Grassland present with sandy loam substrate. However site is moderately disturbed and consists of non-native grasses and forbs and disturbed habitat. No vernal pools or mesic habitat present. No occurrence records within 5 miles of the project site.
Dudleya multicaulis	many-stemmed dudleya	None/None/1B.2	Chaparral, Coastal scrub, Valley and foothill grassland; Clay (often)/perennial herb/Apr–July/50–2,590	Low potential to occur. Grassland present but no clay substrate. No occurrence records within 5 miles of the project site.
Hordeum intercedens	vernal barley	None/None/3.2	Coastal dunes, Coastal scrub, Valley and foothill grassland, Vernal pools/annual herb/Mar–June/15–3,280	Low potential to occur. Grassland present but no vernal pools onsite. No occurrence records within 5 miles of the project site.
Navarretia prostrata	prostrate vernal pool navarretia	None/None/1B.2	Coastal scrub, Meadows and seeps, Valley and foothill grassland, Vernal pools; Mesic/annual herb/Apr–July/10–3,965	Low potential to occur. Grassland present but no mesic habitat or vernal pools onsite. No occurrence records within 5 miles of the project site.
Symphyotrichum defoliatum	San Bernardino aster	None/None/1B.2	Cismontane woodland, Coastal scrub, Lower montane coniferous forest, Marshes and swamps, Meadows and seeps, Valley and foothill grassland; Streambanks/perennial rhizomatous herb/July–Nov/5–6,690	Low potential to occur. Grassland present, but no streams onsite. Nearest occurrence record is 3 miles southwest of the project site, from 1995.

Scientific Name	Common Name	Status (Federal/State/ CRPR)	Primary Habitat Associations/ Life Form/ Blooming Period/ Elevation Range (feet)	Potential to Occur
Not Expected to Occur				
Abronia villosa var. aurita	chaparral sand-verbena	None/None/1B.1	Chaparral, Coastal scrub, Desert dunes; Sandy/annual herb/(Jan)Mar–Sep/245–5,245	Not expected to occur. No suitable vegetation present. No occurrence records within 5 miles of the project site.
Ambrosia monogyra	singlewhorl burrobrush	None/None/2B.2	Chaparral, Sonoran desert scrub; Sandy/perennial shrub/Aug–Nov/35–1,640	Not expected to occur. No suitable vegetation present. No occurrence records within 5 miles of the project site.
Arctostaphylos glandulosa ssp. gabrielensis	San Gabriel manzanita	None/None/1B.2	Chaparral/perennial evergreen shrub/Mar/1,950–4,920	Not expected to occur. The site is outside of the species' known elevation range and there is no suitable vegetation present.
Arenaria paludicola	marsh sandwort	FE/SE/1B.1	Marshes and swamps; Openings, Sandy/perennial stoloniferous herb/May–Aug/10–560	Not expected to occur. The site is outside of the species' known elevation range and there is no suitable vegetation present.
Asplenium vespertinum	western spleenwort	None/None/4.2	Chaparral, Cismontane woodland, Coastal scrub; Rocky/perennial rhizomatous herb/Feb–June/590–3,280	Not expected to occur. No suitable vegetation present.
Astragalus hornii var. hornii	Horn's milk-vetch	None/None/1B.1	Meadows and seeps, Playas; Alkaline, Lake Margins/annual herb/May–Oct/195–2,785	Not expected to occur. No suitable vegetation pr aquatic habitat present.
Berberis nevinii	Nevin's barberry	FE/SE/1B.1	Chaparral, Cismontane woodland, Coastal scrub, Riparian scrub; Gravelly (sometimes), Sandy (sometimes)/perennial evergreen shrub/(Feb)Mar–June/230–2,705	Not expected to occur. No suitable vegetation or riparian habitat present.
Calochortus palmeri var. palmeri	Palmer's mariposa-lily	None/None/1B.2	Chaparral, Lower montane coniferous forest, Meadows and seeps; Mesic/perennial bulbiferous herb/Apr–July/2,325–7,840	Not expected to occur. The site is outside of the species' known elevation range and there is no suitable vegetation or mesic habitat present.
Castilleja lasiorhyncha	San Bernardino Mountains owl's-clover	None/None/1B.2	Chaparral, Meadows and seeps, Pebble (Pavement) plain, Riparian woodland, Upper montane coniferous forest; Mesic/annual herb (hemiparasitic)/May–Aug/4,265–7,840	Not expected to occur. The site is outside of the species' known elevation range.
Chloropyron maritimum ssp. maritimum	salt marsh bird's-beak	FE/SE/1B.2	Coastal dunes, Marshes and swamps/annual herb (hemiparasitic)/May–Oct(Nov)/0–100	Not expected to occur. The site is outside of the species' known elevation range and there is no suitable vegetation present.

Scientific Name	Common Name	Status (Federal/State/ CRPR)	Primary Habitat Associations/ Life Form/ Blooming Period/ Elevation Range (feet)	Potential to Occur
Chorizanthe leptotheca	Peninsular spineflower	None/None/4.2	Chaparral, Coastal scrub, Lower montane coniferous forest; Granitic/annual herb/May–Aug/985–6,230	Not expected to occur. No suitable vegetation present.
Chorizanthe xanti var. leucotheca	white-bracted spineflower	None/None/1B.2	Coastal scrub, Mojavean desert scrub, Pinyon and juniper woodland; Gravelly (sometimes), Sandy (sometimes)/annual herb/Apr–June/985–3,935	Not expected to occur. No suitable vegetation present.
Cladium californicum	California saw-grass	None/None/2B.2	Marshes and swamps, Meadows and seeps/perennial rhizomatous herb/June–Sep/195–5,245	Not expected to occur. No suitable vegetation or wetlands present.
Claytonia peirsonii ssp. peirsonii	Peirson's spring beauty	None/None/1B.2	Subalpine coniferous forest, Upper montane coniferous forest; Granitic, Metamorphic, Scree, Talus/perennial herb/(Mar)May–June/4,950–9,005	Not expected to occur. The site is outside of the species' known elevation range and there is no suitable vegetation present.
Cryptantha incana	Tulare cryptantha	None/None/1B.3	Lower montane coniferous forest/annual herb/June–Aug/4,690–7,050	Not expected to occur. The site is outside of the species' known elevation range and there is no suitable vegetation present.
Cuscuta obtusiflora var. glandulosa	Peruvian dodder	None/None/2B.2	Marshes and swamps/annual vine (parasitic)/July–Oct/50–920	Not expected to occur. The site is outside of the species' known elevation range and there is no suitable vegetation present.
Diplacus johnstonii	Johnston's monkeyflower	None/None/4.3	Lower montane coniferous forest/annual herb/May–Aug/3,195–9,580	Not expected to occur. The site is outside of the species' known elevation range and there is no suitable vegetation present.
Dodecahema leptoceras	slender-horned spineflower	FE/SE/1B.1	Chaparral, Cismontane woodland, Coastal scrub; Sandy/annual herb/Apr–June/655–2,490	Not expected to occur. No suitable vegetation present.

Scientific Name	Common Name	Status (Federal/State/ CRPR)	Primary Habitat Associations/ Life Form/ Blooming Period/ Elevation Range (feet)	Potential to Occur
Eriastrum densifolium ssp. sanctorum	Santa Ana River woollystar	FE/SE/1B.1	Chaparral, Coastal scrub; Gravelly (sometimes), Sandy (sometimes)/perennial herb/Apr–Sep/300–2,000	Not expected to occur. No suitable vegetation present.
Eriogonum microthecum var. alpinum	alpine slender buckwheat	None/None/4.3	Alpine dwarf scrub, Great Basin scrub; Gravelly (sometimes), Rocky (sometimes)/perennial herb/July–Sep/8,200–10,825	Not expected to occur. The site is outside of the species' known elevation range and there is no suitable vegetation present.
Eriogonum microthecum var. johnstonii	Johnston's buckwheat	None/None/1B.3	Subalpine coniferous forest, Upper montane coniferous forest; Rocky/perennial deciduous shrub/July–Sep/6,000–9,595	Not expected to occur. The site is outside of the species' known elevation range and there is no suitable vegetation present.
Eriogonum umbellatum var. minus	alpine sulfur-flowered buckwheat	None/None/4.3	Subalpine coniferous forest, Upper montane coniferous forest; Gravelly/perennial herb/June–Sep/5,905–10,065	Not expected to occur. The site is outside of the species' known elevation range and there is no suitable vegetation present.
Eriophyllum lanatum var. obovatum	southern Sierra woolly sunflower	None/None/4.3	Lower montane coniferous forest, Upper montane coniferous forest; Loam, Sandy/perennial herb/June–July/3,650–8,200	Not expected to occur. The site is outside of the species' known elevation range and there is no suitable vegetation present.
Fimbristylis thermalis	hot springs fimbristylis	None/None/2B.2	Meadows and seeps/perennial rhizomatous herb/July–Sep/360–4,395	Not expected to occur. No suitable vegetation present.
Frasera neglecta	pine green-gentian	None/None/4.3	Lower montane coniferous forest, Pinyon and juniper woodland, Upper montane coniferous forest/perennial herb/May–July/4,590–8,200	Not expected to occur. The site is outside of the species' known elevation range and there is no suitable vegetation present.
Fritillaria pinetorum	pine fritillary	None/None/4.3	Chaparral, Lower montane coniferous forest, Pinyon and juniper woodland, Subalpine coniferous forest, Upper montane coniferous forest; Granitic (sometimes), Metamorphic (sometimes)/perennial bulbiferous herb/May–July(Sep)/5,690–10,825	Not expected to occur. The site is outside of the species' known elevation range and there is no suitable vegetation present.
Galium angustifolium ssp. gabrielense	San Antonio Canyon bedstraw	None/None/4.3	Chaparral, Lower montane coniferous forest; Granitic, Rocky (sometimes), Sandy (sometimes)/perennial herb/Apr–Aug/3,935–8,690	Not expected to occur. The site is outside of the species' known elevation range and there is no suitable vegetation present.

Scientific Name	Common Name	Status (Federal/State/ CRPR)	Primary Habitat Associations/ Life Form/ Blooming Period/ Elevation Range (feet)	Potential to Occur
Galium californicum ssp. primum	Alvin Meadow bedstraw	None/None/1B.2	Chaparral, Lower montane coniferous forest; Granitic, Sandy/perennial herb/May–July/4,425–5,575	Not expected to occur. The site is outside of the species' known elevation range and there is no suitable vegetation present.
Galium jepsonii	Jepson's bedstraw	None/None/4.3	Lower montane coniferous forest, Upper montane coniferous forest; Granitic, Gravelly (sometimes), Rocky (sometimes)/perennial rhizomatous herb/July–Aug/5,050–8,200	Not expected to occur. The site is outside of the species' known elevation range and there is no suitable vegetation present.
Galium johnstonii	Johnston's bedstraw	None/None/4.3	Chaparral, Lower montane coniferous forest, Pinyon and juniper woodland, Riparian woodland/perennial herb/June–July/4,000–7,545	Not expected to occur. The site is outside of the species' known elevation range and there is no suitable vegetation present.
Helianthus nuttallii ssp. parishii	Los Angeles sunflower	None/None/1A	Marshes and swamps/perennial rhizomatous herb/Aug–Oct/35–5,000	Not expected to occur. No suitable vegetation present.
Heuchera caespitosa	urn-flowered alumroot	None/None/4.3	Cismontane woodland, Lower montane coniferous forest, Riparian forest, Upper montane coniferous forest; Rocky/perennial rhizomatous herb/May–Aug/3,785–8,690	Not expected to occur. The site is outside of the species' known elevation range and there is no suitable vegetation present.
Horkelia cuneata var. puberula	mesa horkelia	None/None/1B.1	Chaparral, Cismontane woodland, Coastal scrub; Gravelly (sometimes), Sandy (sometimes)/perennial herb/Feb–July(Sep)/230–2,655	Not expected to occur. No suitable vegetation present.
Imperata brevifolia	California satintail	None/None/2B.1	Chaparral, Coastal scrub, Meadows and seeps, Mojavean desert scrub, Riparian scrub; Mesic/perennial rhizomatous herb/Sep–May/0–3,985	Not expected to occur. No suitable vegetation present.
Juglans californica	Southern California black walnut	None/None/4.2	Chaparral, Cismontane woodland, Coastal scrub, Riparian woodland/perennial deciduous tree/Mar–Aug/165–2,950	Not expected to occur. No suitable vegetation or riparian habitat present.
Juncus duranii	Duran's rush	None/None/4.3	Lower montane coniferous forest, Meadows and seeps, Upper montane coniferous forest; Mesic/perennial rhizomatous herb/July–Aug/5,800–9,195	Not expected to occur. The site is outside of the species' known elevation range and there is no suitable vegetation present.

Scientific Name	Common Name	Status (Federal/State/ CRPR)	Primary Habitat Associations/ Life Form/ Blooming Period/ Elevation Range (feet)	Potential to Occur
Lasthenia glabrata ssp. coulteri	Coulter's goldfields	None/None/1B.1	Marshes and swamps, Playas, Vernal pools/annual herb/Feb–June/5–4,000	Not expected to occur. No suitable vegetation or mesic habitat present.
Lepechinia fragrans	fragrant pitcher sage	None/None/4.2	Chaparral/perennial shrub/Mar–Oct/65–4,295	Not expected to occur. No suitable vegetation present.
Lepidium virginicum var. robinsonii	Robinson's pepper-grass	None/None/4.3	Chaparral, Coastal scrub/annual herb/Jan–July/5–2,900	Not expected to occur. No suitable vegetation present.
Lilium humboldtii ssp. ocellatum	ocellated Humboldt lily	None/None/4.2	Chaparral, Cismontane woodland, Coastal scrub, Lower montane coniferous forest, Riparian woodland; Openings/perennial bulbiferous herb/Mar–July(Aug)/100–5,905	Not expected to occur. No suitable vegetation or riparian present.
Lilium parryi	lemon lily	None/None/1B.2	Lower montane coniferous forest, Meadows and seeps, Riparian forest, Upper montane coniferous forest; Mesic/perennial bulbiferous herb/July–Aug/4,000–9,005	Not expected to occur. The site is outside of the species' known elevation range and there is no suitable vegetation present.
Linanthus concinnus	San Gabriel linanthus	None/None/1B.2	Chaparral, Lower montane coniferous forest, Upper montane coniferous forest; Openings, Rocky/annual herb/Apr–July/4,985–9,185	Not expected to occur. The site is outside of the species' known elevation range and there is no suitable vegetation present.
Lycium parishii	Parish's desert-thorn	None/None/2B.3	Coastal scrub, Sonoran desert scrub/perennial shrub/Mar–Apr/445–3,280	Not expected to occur. No suitable vegetation present.
Malacothamnus parishii	Parish's bush-mallow	None/None/1A	Chaparral, Coastal scrub/perennial deciduous shrub/June–July/1,000–1,490	Not expected to occur. No suitable vegetation present.
Monardella australis ssp. jokerstii	Jokerst's monardella	None/None/1B.1	Chaparral, Lower montane coniferous forest; Alluvial Terraces, Drainages, Scree, Slopes,	Not expected to occur. The site is outside of the species' known elevation range and there is no suitable vegetation present.

Scientific Name	Common Name	Status (Federal/State/ CRPR)	Primary Habitat Associations/ Life Form/ Blooming Period/ Elevation Range (feet)	Potential to Occur
			Talus, Washes/perennial rhizomatous herb/July–Sep/4,425–5,740	
Monardella pringlei	Pringle's monardella	None/None/1A	Coastal scrub/annual herb/May–June/985–1,310	Not expected to occur. No suitable vegetation present.
Monardella saxicola	rock monardella	None/None/4.2	Chaparral, Closed-cone coniferous forest, Lower montane coniferous forest; Rocky, Serpentinite (usually)/perennial rhizomatous herb/June–Sep/1,640–5,905	Not expected to occur. The site is outside of the species' known elevation range and there is no suitable vegetation present.
Muhlenbergia californica	California muhly	None/None/4.3	Chaparral, Coastal scrub, Lower montane coniferous forest, Meadows and seeps; Mesic, Seeps, Streambanks/perennial rhizomatous herb/June–Sep/330–6,560	Not expected to occur. No suitable vegetation or mesic habitat present.
Muhlenbergia utilis	aparejo grass	None/None/2B.2	Chaparral, Cismontane woodland, Coastal scrub, Marshes and swamps, Meadows and seeps; Alkaline (sometimes), Serpentinite (sometimes)/perennial rhizomatous herb/Mar–Oct/80–7,625	Not expected to occur. No suitable vegetation present.
Nasturtium gambelii	Gambel's water cress	FE/ST/1B.1	Marshes and swamps/perennial rhizomatous herb/Apr–Oct/15–1,080	Not expected to occur. No suitable vegetation present.
Opuntia basilaris var. brachyclada	short-joint beavertail	None/None/1B.2	Chaparral, Joshua tree "woodland", Mojavean desert scrub, Pinyon and juniper woodland/perennial stem/Apr–June(Aug)/1,390–5,905	Not expected to occur. The site is outside of the species' known elevation range and there is no suitable vegetation present.
Oreonana vestita	woolly mountain-parsley	None/None/1B.3	Lower montane coniferous forest, Subalpine coniferous forest, Upper montane coniferous forest; Gravelly (sometimes), Talus (sometimes)/perennial herb/Mar–Sep/5,295–11,480	Not expected to occur. The site is outside of the species' known elevation range and there is no suitable vegetation present.

Scientific Name	Common Name	Status (Federal/State/ CRPR)	Primary Habitat Associations/ Life Form/ Blooming Period/ Elevation Range (feet)	Potential to Occur
Phacelia mohavensis	Mojave phacelia	None/None/4.3	Cismontane woodland, Lower montane coniferous forest, Meadows and seeps, Pinyon and juniper woodland; Gravelly (sometimes), Sandy (sometimes)/annual herb/Apr–Aug/4,590–8,200	Not expected to occur. The site is outside of the species' known elevation range and there is no suitable vegetation present.
Phacelia stellaris	Brand's star phacelia	None/None/1B.1	Coastal dunes, Coastal scrub/annual herb/Mar–June/5–1,310	Not expected to occur. No suitable vegetation present and the site is inland.
Pseudognaphaliu m leucocephalum	white rabbit-tobacco	None/None/2B.2	Chaparral, Cismontane woodland, Coastal scrub, Riparian woodland; Gravelly, Sandy/perennial herb/(July)Aug–Nov(Dec)/0–6,885	Not expected to occur. No suitable vegetation or riparian habitat present.
Quercus durata var. gabrielensis	San Gabriel oak	None/None/4.2	Chaparral, Cismontane woodland/perennial evergreen shrub/Apr–May/1,475–3,280	Not expected to occur. The site is outside of the species' known elevation range and there is no suitable vegetation present.
Ribes divaricatum var. parishii	Parish's gooseberry	None/None/1A	Riparian woodland/perennial deciduous shrub/Feb–Apr/215–985	Not expected to occur. The site is outside of the species' known elevation range and there is no suitable vegetation present.
Romneya coulteri	Coulter's matilija poppy	None/None/4.2	Chaparral, Coastal scrub; Burned areas (often)/perennial rhizomatous herb/Mar–July(Aug)/65–3,935	Not expected to occur. No suitable vegetation or burned areas present.
Sagittaria sanfordii	Sanford's arrowhead	None/None/1B.2	Marshes and swamps/perennial rhizomatous herb (emergent)/May–Oct(Nov)/0–2,130	Not expected to occur. No suitable vegetation or wetlands present.
Schoenus nigricans	black bog-rush	None/None/2B.2	Marshes and swamps/perennial herb/Aug–Sep/490–6,560	Not expected to occur. No suitable vegetation or wetlands present.

Scientific Name	Common Name	Status (Federal/State/ CRPR)	Primary Habitat Associations/ Life Form/ Blooming Period/ Elevation Range (feet)	Potential to Occur
Senecio aphanactis	chaparral ragwort	None/None/2B.2	Chaparral, Cismontane woodland, Coastal scrub; Alkaline (sometimes)/annual herb/Jan–Apr(May)/50–2,620	Not expected to occur. No suitable vegetation present.
Senecio astephanus	San Gabriel ragwort	None/None/4.3	Chaparral, Coastal bluff scrub; Rocky, Slopes/perennial herb/May–July/1,310–4,920	Not expected to occur. The site is outside of the species' known elevation range and there is no suitable vegetation present.
Sidalcea neomexicana	salt spring checkerbloom	None/None/2B.2	Chaparral, Coastal scrub, Lower montane coniferous forest, Mojavean desert scrub, Playas; Alkaline, Mesic/perennial herb/Mar–June/50–5,015	Not expected to occur. No suitable vegetation present.
Sphenopholis obtusata	prairie wedge grass	None/None/2B.2	Cismontane woodland, Meadows and seeps; Mesic/perennial herb/Apr–July/985–6,560	Not expected to occur. No suitable vegetation or mesic habitat present.
Streptanthus bernardinus	Laguna Mountains jewelflower	None/None/4.3	Chaparral, Lower montane coniferous forest/perennial herb/May–Aug/2,195–8,200	Not expected to occur. The site is outside of the species' known elevation range and there is no suitable vegetation present.
Streptanthus campestris	southern jewelflower	None/None/1B.3	Chaparral, Lower montane coniferous forest, Pinyon and juniper woodland; Rocky/perennial herb/(Apr)May–July/2,950–7,545	Not expected to occur. The site is outside of the species' known elevation range and there is no suitable vegetation present.
Viola pinetorum ssp. grisea	grey-leaved violet	None/None/1B.2	Meadows and seeps, Subalpine coniferous forest, Upper montane coniferous forest/perennial herb/Apr–July/4,920–11,150	Not expected to occur. The site is outside of the species' known elevation range and there is no suitable vegetation present.
Yucca brevifolia	western Joshua tree	None/SC/CBR	Great Basin grassland, Great Basin scrub, Joshua tree woodland, Mojavean desert scrub, Pinyon and juniper woodland, Sonoran desert scrub, Valley and foothill grassland/perennial leaf succulent/Apr–May/1,310–6,560	Not expected to occur. The site is outside of the species' known elevation range.

Status Legend:
FE: Federally listed as endangered
FT: Federally listed as threatened
SE: State listed as endangered
ST: State listed as threatened
SC: State Candidate for listing
SR: State Rare
CRPR 1A: Plants presumed extirpated in California and either rare or extinct elsewhere
CRPR 1B: Plants rare, threatened, or endangered in California and elsewhere
CRPR 2A: Plants presumed extirpated in California but common elsewhere
CRPR 2B: Plants rare, threatened, or endangered in California but more common elsewhere
CRPR 3: Review List: Plants about which more information is needed
CRPR 4: Watch List: Plants of limited distribution
.1 Seriously threatened in California (over 80% of occurrences threatened / high degree and immediacy of threat)
.2 Moderately threatened in California (20–80% occurrences threatened / moderate degree and immediacy of threat)
.3 Not very threatened in California (<20% of occurrences threatened / low degree and immediacy of threat or no current threats known)
CBR: Considered but Rejected

Appendix D

Special-Status Wildlife Species with a Potential to Occur on the Study Area

Scientific Name	Common Name	Status (Federal/State)	Habitat	Potential to Occur
Low Potential To Occur				
Birds				
Athene cunicularia (burrow sites & some wintering sites)	burrowing owl	BCC/SSC	Nests and forages in grassland, open scrub, and agriculture, particularly with ground squirrel burrows	Low potential to occur. Suitable non-native grassland present with two small animal burrows that were filled in or less than 4 inches in diameter. Previous grading onsite has compacted soils and unlikely to support burrowing. Nearest occurrence record is approximately 1 mile southeast, from 2004.
Buteo swainsoni (nesting)	Swainson's hawk	None/ST	Nests in open woodland and savanna, riparian, and in isolated large trees; forages in nearby grasslands and agricultural areas such as wheat and alfalfa fields and pasture	Low potential to occur. No nesting habitat present. Non-native grassland habitat onsite could support foraging opportunities. No occurrence records within 5 miles of the project site (CDFW 2022).
Falco columbarius (wintering)	merlin	None/WL	Forages in semi-open areas, including coastline, grassland, agriculture, savanna, woodland, lakes, and wetlands	Low potential to occur. Semi-open grassland present onsite could support foraging opportunities. No occurrence records within 5 miles.
Lanius ludovicianus (nesting)	loggerhead shrike	None/SSC	Nests and forages in open habitats with scattered shrubs, trees, or other perches	Low potential to occur. Open grassland with scattered ornamental trees and eucalyptus windrow onsite could support nesting and foraging opportunities. No occurrence records within 5 miles.
Invertebrates				
Bombus crotchii	Crotch bumble bee	None/None	Open grassland and scrub communities supporting suitable floral resources.	Low potential to occur. Open grassland with shrubs and ornamental trees onsite could support foraging opportunities. No occurrence records within 5 miles.
Mammals				

Scientific Name	Common Name	Status (Federal/State)	Habitat	Potential to Occur
Chaetodipus fallax fallax	northwestern San Diego pocket mouse	None/SSC	Coastal scrub, mixed chaparral, sagebrush, desert wash, desert scrub, desert succulent shrub, pinyon–juniper, and annual grassland	Low potential to occur. Grassland present but no suitable small animal burrows onsite, and no wetlands. Nearest occurrence record is 0.75 miles southeast from 1999 and is possibly extirpated.
Dipodomys stephensi	Stephens' kangaroo rat	FE/ST	Annual and perennial grassland habitats, coastal scrub or sagebrush with sparse canopy cover, or in disturbed areas	Low potential to occur. Disturbed non-native grassland present, but few small animal burrows onsite are filled in. Site is previously graded; compacted soils onsite are not likely to support burrowing animals. Nearest occurrence record is 2.5 miles south in Jarupa Mountain, historic (1909), and possibly extirpated.
Eumops perotis californicus	western mastiff bat	None/SSC	Chaparral, coastal and desert scrub, coniferous and deciduous forest and woodland; roosts in crevices in rocky canyons and cliffs where the canyon or cliff is vertical or nearly vertical, trees, and tunnels	Low potential to occur. Ornamental trees (eucalyptus grove) onsite could provide roosting habitat. No suitable foraging habitat present. No occurrence records within 5 miles of the project site.
Lepus californicus bennettii	San Diego black-tailed jackrabbit	None/None	Arid habitats with open ground; grasslands, coastal scrub, agriculture, disturbed areas, and rangelands	Low potential to occur. Open arid grassland and disturbed habitat onsite. Nearest occurrence record is from 1999, located 0.75 miles southeast, and is possibly extirpated.
Onychomys torridus ramona	southern grasshopper mouse	None/SSC	Grassland and sparse coastal scrub	Low potential to occur. Suitable grassland present but site is compacted by prior grading and unlikely to support burrowing animals. No active animal burrows present. No occurrence records within 5 miles of the project site.
Perognathus longimembris brevinasus	Los Angeles pocket mouse	None/SSC	Lower-elevation grassland, alluvial sage scrub, and coastal scrub	Low potential to occur. Suitable grassland present but site is compacted by prior grading and unlikely to support burrowing animals. No active animal burrows

Scientific Name	Common Name	Status (Federal/State)	Habitat	Potential to Occur
				present. No occurrence records within 5 miles of the project site.
Taxidea taxus	American badger	None/SSC	Dry, open, treeless areas; grasslands, coastal scrub, agriculture, and pastures, especially with friable soils	Low potential to occur. Open dry grassland with sandy soils onsite. However, soils are compacted from prior grading and not friable. No occurrence records within 5 miles of the project site.
Reptiles				
Arizona elegans occidentalis	California glossy snake	None/SSC	Arid scrub, rocky washes, grasslands, chaparral, open areas with loose soil	Low potential to occur. Arid open grassland present, but soils are compacted from prior grading rather than loose.
Phrynosoma blainvillii	Blainville's horned lizard	None/SSC	Open areas of sandy soil in valleys, foothills, and semi-arid mountains including coastal scrub, chaparral, valley–foothill hardwood, conifer, riparian, pine–cypress, juniper, and annual grassland habitats	Low potential to occur. Suitable open grassland with sandy soil present. Nearest occurrence record is 1.5 miles southeast, from 1999, and is possibly extirpated.
Not Expected to Occur				
Amphibians				
Batrachoseps gabrieli	San Gabriel slender salamander	None/None	Talus slopes in forested areas, often near streams	Not expected to occur. No suitable sloped forested vegetation or aquatic habitat present.
Rana muscosa	mountain yellow-legged frog	FE/SE, WL	Lakes, ponds, meadow streams, isolated pools, and open riverbanks; rocky canyons in narrow canyons and in chaparral	Not expected to occur. No suitable vegetation or aquatic habitat present.
Spea hammondii	western spadefoot	None/SSC	Primarily grassland and vernal pools, but also in ephemeral wetlands that persist at least 3 weeks in chaparral, coastal scrub, valley–foothill woodlands, pastures, and other agriculture	Not expected to occur. No vernal pools, wetlands, or suitable vegetation present.
Birds				

Scientific Name	Common Name	Status (Federal/State)	Habitat	Potential to Occur
Accipiter cooperii (nesting)	Cooper's hawk	None/WL	Nests and forages in dense stands of live oak, riparian woodlands, or other woodland habitats often near water	Not expected to occur. No suitable vegetation or aquatic habitat present.
Agelaius tricolor (nesting colony)	tricolored blackbird	BCC/SSC, ST	Nests near freshwater, emergent wetland with cattails or tules, but also in Himalayan blackberrry; forages in grasslands, woodland, and agriculture	Not expected to occur. No suitable vegetation or aquatic habitat present.
Aimophila ruficeps canescens	Southern California rufous-crowned sparrow	None/WL	Nests and forages in open coastal scrub and chaparral with low cover of scattered scrub interspersed with rocky and grassy patches	Not expected to occur. No suitable vegetation present.
Artemisiospiza belli belli	Bell's sage sparrow	None/WL	Nests and forages in coastal scrub and dry chaparral; typically in large, unfragmented patches dominated by chamise; nests in more dense patches but uses more open habitat in winter	Not expected to occur. No suitable vegetation present.
Coccyzus americanus occidentalis (nesting)	western yellow-billed cuckoo	FT/SE	Nests in dense, wide riparian woodlands and forest with well-developed understories	Not expected to occur. No suitable dense riparian vegetation present.
Coturnicops noveboracensis	yellow rail	BCC/SSC	Nesting requires wet marsh/sedge meadows or coastal marshes with wet soil and shallow, standing water	Not expected to occur. No suitable wetlands or vegetation present.
Empidonax traillii extimus (nesting)	southwestern willow flycatcher	FE/SE	Nests in dense riparian habitats along streams, reservoirs, or wetlands; uses variety of riparian and shrubland habitats during migration	Not expected to occur. No suitable riparian or shrubland vegetation present to support foraging or nesting.
Eremophila alpestris actia	California horned lark	None/WL	This subspecies of horned lark occurs on the state's southern and central coastal slope and in the San Joaquin Valley. Nests and forages in grasslands, disturbed lands, agriculture, and beaches.	Not expected to occur. While grassland onsite could support foraging and nesting opportunities, the site is outside of this specie's range.

Scientific Name	Common Name	Status (Federal/State)	Habitat	Potential to Occur
Icteria virens (nesting)	yellow-breasted chat	None/SSC	Nests and forages in dense, relatively wide riparian woodlands and thickets of willows, vine tangles, and dense brush	Not expected to occur. No suitable foraging or nesting habitat present.
Laterallus jamaicensis coturniculus	California black rail	None/FP, ST	Tidal marshes, shallow freshwater margins, wet meadows, and flooded grassy vegetation; suitable habitats are often supplied by canal leakage in Sierra Nevada foothill populations	Not expected to occur. No wetlands or mesic vegetation present.
Polioptila californica californica	coastal California gnatcatcher	FT/SSC	Nests and forages in various sage scrub communities, often dominated by California sagebrush and buckwheat; generally avoids nesting in areas with a slope of greater than 40%; majority of nesting at less than 1,000 feet above mean sea level	Not expected to occur. No suitable vegetation present.
Setophaga petechia (nesting)	yellow warbler	None/SSC	Nests and forages in riparian and oak woodlands, montane chaparral, open ponderosa pine, and mixed-conifer habitats	Not expected to occur. No suitable riparian habitat or vegetation present.
Spinus lawrencei (nesting)	Lawrence's goldfinch	BCC/None	Nests and forages in open oak, arid woodlands, and chaparral near water	Not expected to occur. No suitable vegetation or aquatic habitat present.
Vireo bellii pusillus (nesting)	least Bell's vireo	FE/SE	Nests and forages in low, dense riparian thickets along water or along dry parts of intermittent streams; forages in riparian and adjacent shrubland late in nesting season	Not expected to occur. No suitable vegetation or aquatic habitat present.
Fishes				
Catostomus santaanae	Santa Ana sucker	FT/None	Small, shallow, cool, clear streams less than 7 meters (23 feet) in width and a few centimeters to more than a meter (1.5 inches to more than 3 feet) in depth; substrates are generally coarse gravel, rubble, and boulder	Not expected to occur. No suitable aquatic habitat present.

Scientific Name	Common Name	Status (Federal/State)	Habitat	Potential to Occur
Gila orcuttii	arroyo chub	None/SSC	Warm, fluctuating streams with slow-moving or backwater sections of warm to cool streams at depths >40 centimeters (16 inches); substrates of sand or mud	Not expected to occur. No suitable aquatic habitat present.
Oncorhynchus mykiss irideus pop. 10	southern steelhead - southern California DPS	FE/SCE	Clean, clear, cool, well-oxygenated streams; needs relatively deep pools in migration and gravelly substrate to spawn	Not expected to occur. No suitable aquatic habitat present.
Rhinichthys osculus ssp. 8	Santa Ana speckled dace	None/SSC	Headwaters of the Santa Ana and San Gabriel Rivers; may be extirpated from the Los Angeles River system	Not expected to occur. No suitable aquatic habitat present.
Invertebrates				
Euphydryas editha quino	quino checkerspot butterfly	FE/SCE	Annual forblands, grassland, open coastal scrub and chaparral; often soils with cryptogamic crusts and fine-textured clay; host plants include *Plantago erecta, Antirrhinum coulterianum*, and *Plantago patagonica* (Silverado Occurrence Complex)	Not expected to occur. No host plants, food plants, suitable vegetation, or suitable substrate onsite.
Rhaphiomidas terminatus abdominalis	Delhi Sands flower-loving fly	FE/None	Delhi fine sandy soils and dunes, scrub and ruderal vegetation in the sand verbena series with <50% cover	Not expected to occur No dunes or Delhi sands onsite. While occurrence records are onsite (entire Fontana quadrant), Delhi sands are not present and substrate is Tujunga sand.
Streptocephalus woottoni	Riverside fairy shrimp	FE/None	Vernal pools, non-vegetated ephemeral pools	Not expected to occur. No vernal pools or wetlands present.
Mammals				
Chaetodipus fallax pallidus	pallid San Diego pocket mouse	None/SSC	Desert wash, desert scrub, desert succulent scrub, and pinyon–juniper woodland	Not expected to occur. No suitable desert wash or vegetation present.

Scientific Name	Common Name	Status (Federal/State)	Habitat	Potential to Occur
Dasypterus xanthinus	western yellow bat	None/SSC	Valley–foothill riparian, desert riparian, desert wash, and palm oasis habitats; below 2,000 feet above mean sea level; roosts in riparian and palms	Not expected to occur. No suitable riparian habitat or vegetation present for roosting or foraging.
Dipodomys merriami parvus	San Bernardino kangaroo rat	FE/SSC, SCE	Sparse scrub habitat, alluvial scrub/coastal scrub habitats on gravelly and sandy soils near river and stream terraces	Not expected to occur. No alluvial or riparian habitat and no suitable vegetation present.
Glaucomys oregonensis californicus	San Bernardino flying squirrel	None/SSC	Coniferous and deciduous forests, including riparian forests	Not expected to occur. No suitable riparian vegetation present.
Neotoma lepida intermedia	San Diego desert woodrat	None/SSC	Coastal scrub, desert scrub, chaparral, cacti, rocky areas	Not expected to occur. No suitable vegetation present.
Nyctinomops femorosaccus	pocketed free-tailed bat	None/SSC	Pinyon–juniper woodlands, desert scrub, desert succulent shrub, desert riparian, desert wash, alkali desert scrub, Joshua tree, and palm oases; roosts in high cliffs or rock outcrops with drop-offs, caverns, and buildings	Not expected to occur. No suitable vegetation present.
Ovis canadensis nelsoni	Nelson's bighorn sheep	None/FP	Steep slopes and cliffs, rough and rocky topography, sparse vegetation; also canyons, washes, and alluvial fans	Not expected to occur. Site is flat with no suitable alluvial habitat or vegetation.
Reptiles				
Anniella stebbinsi	southern California legless lizard	None/SSC	Coastal dunes, stabilized dunes, beaches, dry washes, valley–foothill, chaparral, and scrubs; pine, oak, and riparian woodlands; associated with sparse vegetation and moist sandy or loose, loamy soils	Not expected to occur. No suitable vegetation or mesic habitat present. No loose, loamy soils present.

Scientific Name	Common Name	Status (Federal/State)	Habitat	Potential to Occur
Aspidoscelis hyperythra	orange-throated whiptail	None/WL	Low-elevation coastal scrub, chaparral, and valley–foothill hardwood	Not expected to occur. No suitable vegetation present.
Aspidoscelis tigris stejnegeri	San Diegan tiger whiptail	None/SSC	Hot and dry areas with sparse foliage, including chaparral, woodland, and riparian areas.	Not expected to occur. No suitable riparian habitat or vegetation present.
Charina umbratica	southern rubber boa	None/ST	Montane oak–conifer and mixed-conifer forests, montane chaparral, wet meadows; usually in vicinity of streams or wet meadows	Not expected to occur. No suitable mesic habitat or vegetation present.
Coleonyx variegatus abbotti	San Diego banded gecko	None/SSC	Rocky areas within coastal scrub and chaparral	Not expected to occur. No suitable vegetation present.
Crotalus ruber	red diamondback rattlesnake	None/SSC	Coastal scrub, chaparral, oak and pine woodlands, rocky grasslands, cultivated areas, and desert flats	Not expected to occur. No suitable vegetation or substrate present.
Diadophis punctatus modestus	San Bernardino ring-necked snake	None/None	Moist habitats including wet meadows, rocky hillsides, gardens, farmland grassland, chaparral, mixed-conifer forest, and woodland	Not expected to occur. No mesic habitat or suitable vegetation present.
Emys marmorata	western pond turtle	None/SSC	Slow-moving permanent or intermittent streams, ponds, small lakes, and reservoirs with emergent basking sites; adjacent uplands used for nesting and during winter	Not expected to occur. No suitable aquatic habitat or vegetation present.
Thamnophis hammondii	two-striped gartersnake	None/SSC	Streams, creeks, pools, streams with rocky beds, ponds, lakes, vernal pools	Not expected to occur. No suitable aquatic habitat present.

Status Abbreviations:
FE: Federally listed as endangered
FT: Federally listed as threatened
FPE: Federally proposed for listing as endangered
PFT: Federally proposed for listing as threatened
FC: Federal candidate species (former Category 1 candidates)
FPD: Federally proposed for delisting
BCC: U.S. Fish and Wildlife Service Bird of Conservation Concern
SSC: California Species of Special Concern
FP: California Fully Protected Species
WL: California Watch List Species
SE: State listed as endangered
ST: State listed as threatened
SC: State candidate for listing as threatened or endangered
SCE: State candidate for listing as endangered
SCT: State candidate for listing as threatened

Appendix C
Arborist Report

Arborist Report

JPI Fontana Apartments Project City of Fontana, California

NOVEMBER 2022

Prepared for:

JPI COMPANIES
11988 El Camino Real, Suite 200
San Diego, California 92130
Contact: Jared Samnet

Prepared by:

DUDEK

38 North Marengo Avenue
Pasadena, California 91101
Contact: Christopher J. Kallstrand
ISA Certified Arborist

Printed on 30% post-consumer recycled material.

Table of Contents

SECTION **PAGE NO.**

Acronyms and Abbreviations iii

1 Introduction 1
- 1.1 Site Description 1
- 1.2 Project Description 2

2 Methods 7
- 2.1 Field Tree Inventory and Evaluation 7
- 2.2 Scope of Work Limitations 8

3 Findings/Results 9
- 3.1 Heritage/Significant Protected Trees 9
- 3.2 Other Trees Within Project Limits 9

4 Tree Preservation 11
- 4.1 Regulatory Definitions and Requirements 11
  - 4.1.1 City of Fontana 11
  - 4.1.2 Migratory Bird Treaty Act 15

5 Impacts 17
- 5.1 Direct Tree Impacts – Protected Trees 17
- 5.2 Direct Tree Impacts – Other Trees 18
- 5.3 Potential Relocation Candidates 18
- 5.4 Tree Impact and Recommended Removal Summary – All Trees (Project) 18
- 5.5 Tree Preservation and Encroachment – All Trees (Project) 18

6 Mitigation 19
- 6.1 Tree Ordinance Replacement Requirements 19
- 6.2 Tree Replacement Plan 19
- 6.3 Tree Replacement Species 20
- 6.4 Tree Removal Permit 20
- 6.5 Monitoring Program 21
- 6.6 Tree Protection 21

7 Conclusions 23

8 References 25

TABLES

1 Protected Trees Subject to Construction-Related Impacts 17
2 Impacted Tree Replacement Size and Number 20

FIGURES

1 Regional Map 3
2 Project Location 5

APPENDICES

A Tree Location Exhibit
B Tree Information Matrix
C Tree Disposition Exhibit
D Tree Protection Measures
E Landscape Plan

Acronyms and Abbreviations

Acronym/Abbreviation	Definition
City	City of Fontana
GIS	geographic information system
ISA	International Society of Arboriculture
project	JPI Fontana Apartments Project

INTENTIONALLY LEFT BLANK

1 Introduction

Dudek evaluated and recorded information about protected trees as defined in Chapter 28, Article III, of the City of Fontana's Code of Ordinances (Fontana Code of Ordinances) (City of Fontana 2016) and prepared this arborist report for the proposed JPI Fontana Apartments Project (project) in the City of Fontana (City), California. Primary topics of this arborist report include evaluations of project-related impacts and recommendations for tree protection, relocation, removal, and mitigation. The approximately 11.6-acre site project site is located at Assessor's Parcel Numbers (APNs) 025-117-119, 025-132-117, 025-132-118, 025-132-119, 025-132-120, 025-132-121, 025-132-122, 025-132-123, 025-132-124, 025-132-125, 025-132-126, 025-132-127, and 025-132-135 in the City of Fontana, San Bernardino County, California.

This arborist report provides a summary of Dudek's site and tree evaluations within and immediately adjacent to the proposed development and infrastructure improvement areas (survey area). The trees on site are comprised of multiple species, including jacaranda (*Jacaranda mimosifolia*), Chinaberry (*Melia azedarach*), California sycamore (*Platanus racemosa*), Australian willow (*Geijera parviflora*), olive (*Olea europaea*), red gum eucalyptus (*Eucalyptus camaldulensis*), and tree of heaven (*Ailanthus altissima*). A majority of the trees are scattered throughout the property.

Dudek's International Society of Arboriculture (ISA) Certified Arborists performed various tasks associated with surveying, inventorying, and evaluating the condition of the property's trees, as described in this report. The purpose of this arborist report is to present the physical characteristics, mapped locations, impact, and preservation totals, and recommended protected tree impact mitigation. The tree quantities and related project impacts have been analyzed and are reported in the following sections.

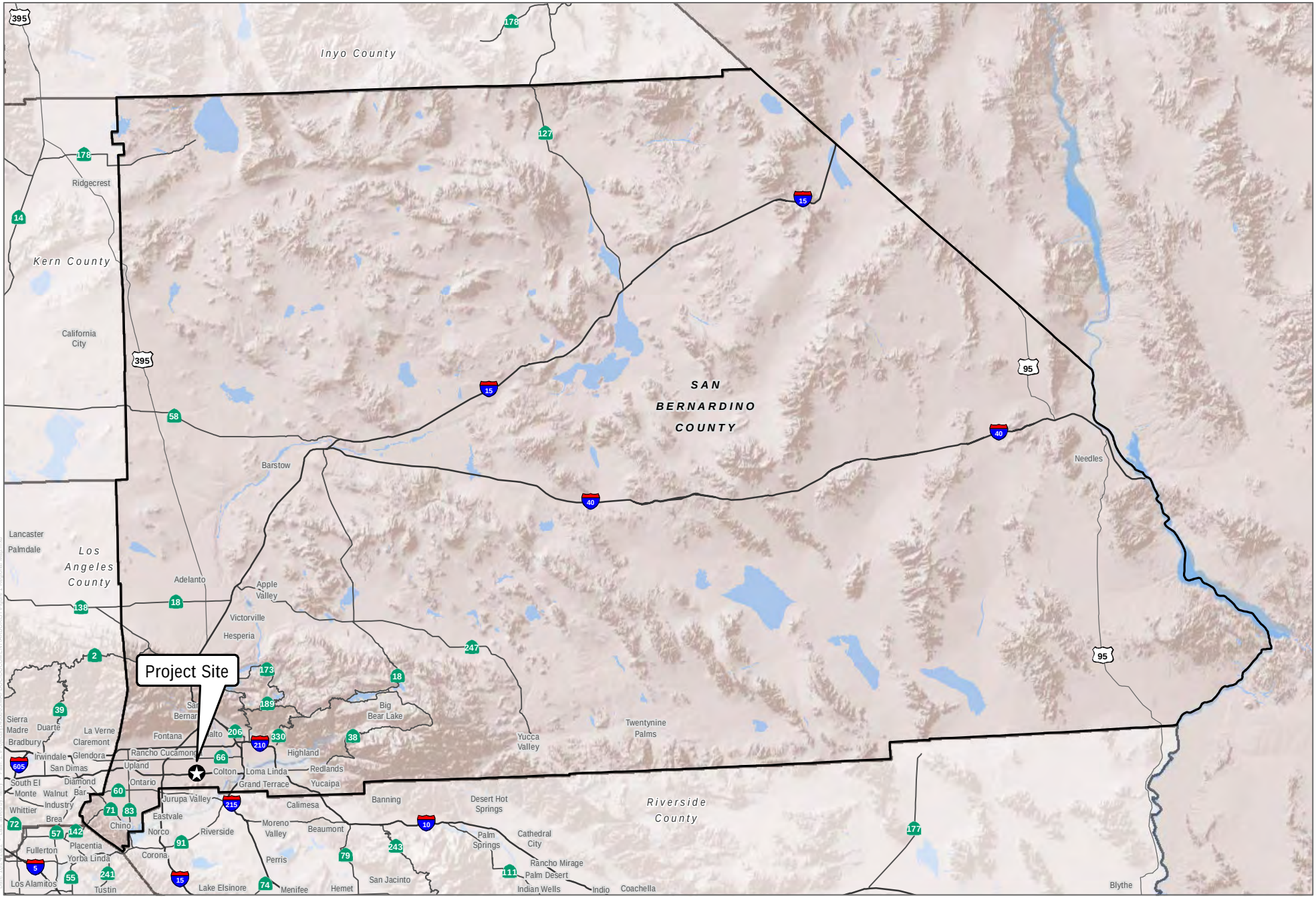
In summary, the proposed project site is predominantly undeveloped with a majority of the trees scattered throughout the property and within a historic windrow that is primarily located on an adjacent property. The 78 trees consist of 13 heritage trees, 1 significant tree, and 64 other trees as defined by the City of Fontana. In total, 78 trees are located on or immediately adjacent to the project site, of which 49 would require removal to accommodate the proposed project. Of the 49 trees requiring removal, none are recommended for removal based on health (dead). As such, all 49 trees require mitigation in accordance with the Fontana Code of Ordinances. The 49 trees include 1 protected heritage tree, 1 significant tree, and 47 other trees. None of the impacted trees are considered candidates for relocation.

1.1 Site Description

The project site is located on undeveloped, partially disturbed land in the City of Fontana, California (Figure 1, Regional Map). The project site is composed of 13 individual parcels located on approximately 11.7 acres. The 13 individual parcels comprise the following APNs: 025-117-119, 025-132-117, 025-132-118, 025-132-119, 025-132-120, 025-132-121, 025-132-122, 025-132-123, 025-132-124, 025-132-125, 025-132-126, 025-132-127, and 025-132-135. The project site is bound by Cypress Avenue to the west, Valley Boulevard to the north, Interstate 10 to the south, and Juniper Avenue to the east (Figure 2, Project Vicinity). The project site is specifically located on a relatively flat, primarily undeveloped area mapped within the San Bernardino Principal Meridian, in Section 19 of Township 1 South Range 5 West of the Fontana, California 7.5-minute U.S. Geological Survey topographic quadrangle (California State Geoportal 2022).

1.2 Project Description

The project includes construction of a 437-unit apartment complex and ancillary structures on an approximately 11.7-acre property that will be entirely developed by the project. In addition to the apartments, the project would include landscaping areas as well as surface parking for resident vehicles.



SOURCE: ESRI

DUDEK

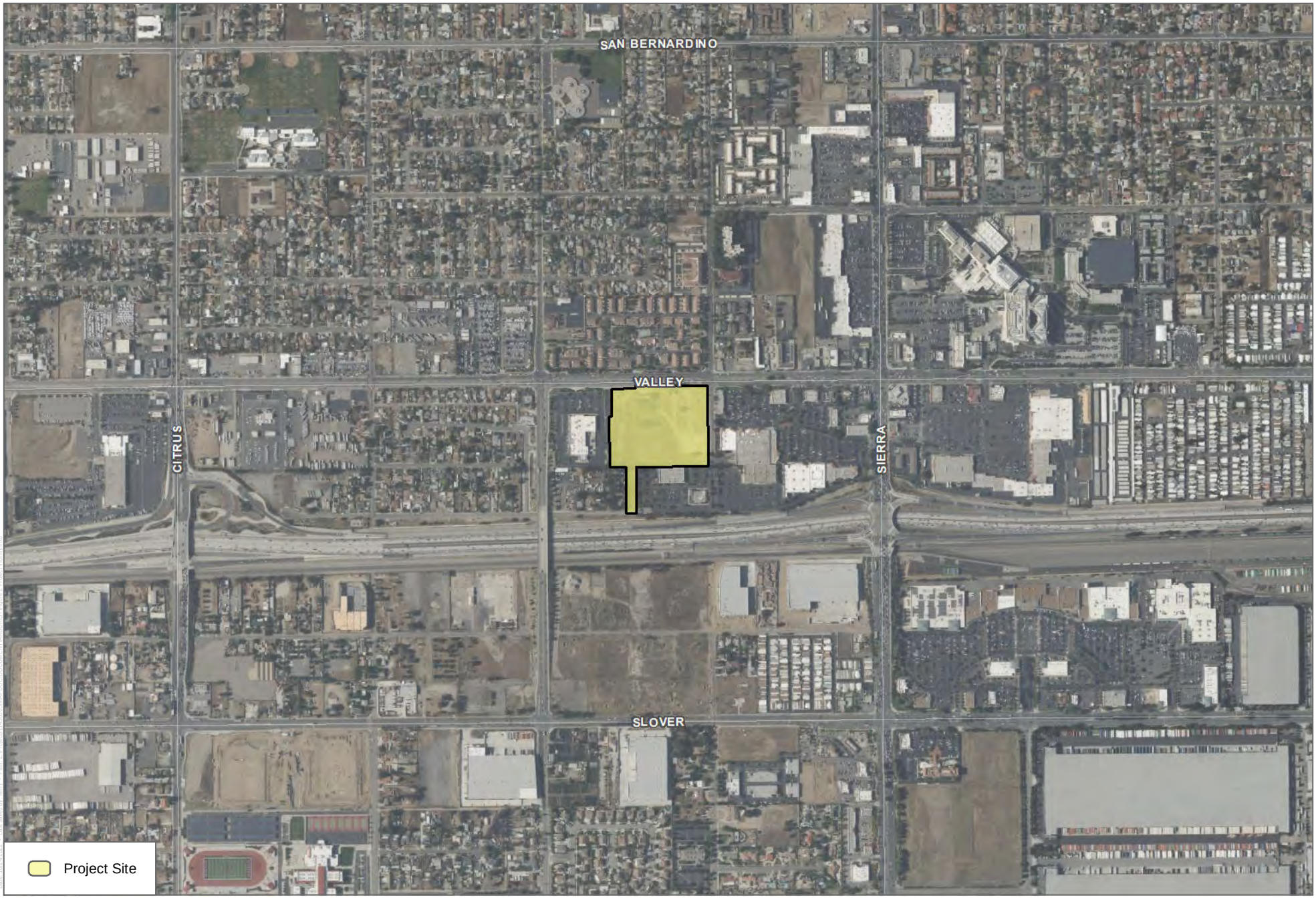
0 1,000 2,000 Feet

FIGURE 1

Regional Map

Arborist Report for the JPI Fontana Apartments Project

INTENTIONALLY LEFT BLANK



SOURCE: BING MAPPING SERVICE

DUDEK

0 500 1,000 Feet

FIGURE 2

Project Location

Arborist Report for the JPI Fontana Apartments Project

INTENTIONALLY LEFT BLANK

2 Methods

The following sections describe the methods used by Dudek's ISA Certified Arborists to inventory and evaluate trees in the tree survey area.

2.1 Field Tree Inventory and Evaluation

Dudek mapped and collected individual tree attribute information for all protected trees meeting the City's definition of a protected tree—which includes heritage, significant, and specimen trees—and other trees within and adjacent to the project limits. The location of each individual protected tree was mapped using a Trimble Pathfinder Pro XH GPS receiver (Pathfinder) (see Appendix A, Tree Location Exhibit, for tree locations). The Pathfinder has a horizontal accuracy of 1 meter (1 sigma) using differential code positioning techniques. Since tree canopies can sometimes cause loss of satellite lock by blocking the line of sight to satellites, an electronic compass and a reflectorless electronic distance-measuring device were also used in mapping tree locations. The electronic distance-measuring/compass combination operates in concert with the Pathfinder system to position offsets, and offset information is automatically attached to the GPS position data string. All trees were tagged in the field with an aluminum tree tag bearing a unique identification number. A tag was placed on the trunk of each inventoried tree, and each tag number corresponds with the individual tree data presented in Appendix B, Tree Information Matrix.

Concurrent with tree mapping efforts, Dudek arborists collected tree attribute data, including species, quantity of individual trunks, individual trunk diameters, overall height, canopy extent, general health and structural conditions, and overall condition. Trunk diameter measurements were collected at 4.5 feet above natural grade along the trunk axis, with a few common exceptions. In cases in which a tree's trunk was located on a slope, the 4.5-foot height was approximated as the average of the shortest and longest sides of the trunk (i.e., the uphill side and downhill side of the tree's trunk, respectively), and the measurement was made at the circumference of the trunk at this point. Tree height measurements were ocular estimates made by experienced field arborists. Tree canopy diameters were typically estimated by pacing off the measurement based on the arborist's stride length or by visually estimating the canopy width. The tree-crown diameter measurements were made along an imaginary line intersecting the tree trunk that best approximated the average crown diameter.

Pursuant to the Guide for Plant Appraisal (Council of Tree and Landscape Appraisers 2000), tree health and structure were evaluated with respect to the following five distinct tree components: roots, trunks, scaffold branches, small branches, and foliage. Each component of the tree was assessed with regard to health factors such as insect, fungal, or pathogen damage; fire damage; mechanical damage; presence of decay; presence of wilted or dead leaves; and wound closure. Components were graded as *good*, *fair*, *poor*, and *dead*, with *good* representing no apparent problems and *dead* representing a dying and/or dead tree. This method of tree condition rating is comprehensive and results in ratings that are useful for determining the status of trees based on common standards. Trees in natural settings have important habitat value, as evidenced by numerous cavity nesters and insects that thrive on and within trees, even when they are considered in poor structural or health condition. However, this assessment focuses on tree conditions concerning health and structure for the purposes of analyzing potential project impacts, and where necessary, providing recommendations for mitigating potential tree hazards, such as trees with weak limb attachments, cavities and rot, or excessive lean that would not be appropriate for inclusion in a developed landscape. Each tree was assigned an overall condition rating based on component grades. The overall ratings were graded on a percentage scale that ranges from 0% (dead) to 100% (excellent condition).

Upon completion of field data collection and mapping, raw GPS data were post-processed using GPS Pathfinder Office (version 5.40), and individual tree location data were compiled and updated in a geographic information system (GIS). The digital tree locations were linked to individual tree identification numbers and associated tree attribute data. This dataset was then evaluated using ArcGIS (version 10.1) software to determine the position of individual trees related to the project development areas. Data resulting from this analysis were used to evaluate the individual tree impact totals in this report.

2.2 Scope of Work Limitations

The tree assessments did not include root crown excavations or investigations, aerial evaluations, or internal probing; therefore, the presence or absence of internal decay or other hidden inferiorities in individual trees could not be confirmed. It is recommended that any large tree proposed for preservation in an area that receives human use be thoroughly inspected for internal or subterranean decay by a qualified ISA Certified Arborist before finalizing preservation plans.

3 Findings/Results

3.1 Heritage/Significant Protected Trees

In total, there are 13 heritage trees and 1 significant tree located within and immediately adjacent to the project site that meet the City's definition of protected trees. All 13 are considered heritage trees as defined in Section 28-63 of the Fontana Code of Ordinances. The 13 heritage trees are composed entirely of red gum eucalyptus trees. The single significant tree is a California sycamore. It should be noted that the single California sycamore is a stump re-sprout from a previous tree failure. The Tree Location Exhibit (Appendix A) presents the location of the individual trees mapped and assessed for the proposed project.

Overall, the trees exhibit growth and structural conditions that are typical of their locations as agricultural windrow and disturbed landscape trees. The trees include various trunk and branch maladies, and varying health and structural conditions. As presented in the Tree Information Matrix (Appendix B), 71.43% (10 trees) are in average health, and 28.57% (4 trees) are dead. Structurally, 42.86% (6 trees) of the individually mapped protected trees are considered to exhibit average structure; 28.57% (4 trees) exhibit very poor structure; and 28.57% (4 trees) are dead.

Fair condition trees are typical, with few maladies but declining vigor. Poor condition trees exhibit declining vigor, unhealthy foliage, poor branch structure, or excessive lean. The trees have overall ratings that range from 63% to 0%. As presented in the Tree Information Matrix (Appendix B), 42.86% (6 trees) are in average condition; 21.43% (3 trees) are in poor condition overall; 7.14% (1 tree) is in very poor condition; and 28.57% (4 trees) are dead.

Protected trees within the tree survey area vary in size and stature according to species and available growing space. The site's protected trees are primarily single-stemmed trees and have diameters ranging from 2 to 29 inches. Tree heights vary from 12 feet to 75 feet. Tree crown extents range from 0 feet to 35 feet across at their widest point.

3.2 Other Trees Within Project Limits

There are 64 other trees located in and adjacent to the tree survey area that do not meet the City's definition of heritage, significant, or specimen tree. These 64 trees are comprised of a variety of individual tree species as described in Appendix B. As depicted on the Tree Location Exhibit (Appendix A), the 64 other trees are scattered throughout the property.

Overall, the other trees exhibit growth and structural conditions that are typical of their locations. Like the protected trees, the trees include various trunk and branch maladies. As presented in the Tree Information Matrix (Appendix B), 3.13% (2 trees) exhibit very good health; 81.25% (52 trees) exhibit average health; 6.25% (4 trees) exhibit very poor health; and 9.38% (6 trees) are dead. Structurally, 4.69% (3 trees) of the individually mapped other trees are considered to exhibit very good structure; 46.88% (30 trees) exhibit average structure; 39.06% (25 trees) exhibit poor structure; and 9.38% (6 trees) are dead.

The trees have overall ratings that range from 78% to 0%. As presented in the Tree Information Matrix (Appendix B), 3.13% (2 trees) are in very good condition, 46.88% (30 trees) are in average condition, 40.63% (26 trees) are in poor condition overall, and 9.38% (6 trees) are dead.

The other trees within the survey area vary in size and stature according to species and available growing space. The site's other trees are a mixture of single- and multi-stemmed trees with single and combined trunk diameters (diameter at 4.5 feet above natural grade) ranging from 2 inch to 60 inches. Tree heights vary from 0 feet to 85 feet, and tree canopy extents range from 0 feet to approximately 47 feet across at their widest point.

4 Tree Preservation

4.1 Regulatory Definitions and Requirements

The following subsections summarize the relevant policies regulating tree impact and removal associated with the project.

4.1.1 City of Fontana

The City's Tree Preservation and Protection Ordinance requires that a tree report be prepared for removal of protected tree species. The Tree Preservation and Protection Ordinance is as follows (City of Fontana 2016):

Section 28-63 – Definitions

- *Tree* means any woody perennial plant, usually having a single main axis or trunk and exceeding ten feet in height at maturity, including specimens of such plants having twin or multiple trunks, and shall include any species of tree, shrub or plant described in the master plan of parkway trees or in the master tree list.
- *Protected tree* means any heritage, significant or specimen tree subject to this article or other such tree identified by a federal or state agency as endangered or sensitive species.
- *Significant tree* means any tree that is one of the following species; Southern California black walnut (*Juglansa californica*) [sic], coast live oak (*Quercus agrifolia*), Deodora cedar (*Cedrus deodora*) [sic], California sycamore (*Platanus racemosa*), or London plane (*Platanus acerifolia*).
- *Specimen tree* is defined as a mature tree (which is not a heritage or significant tree) which is an excellent example of its species in structure and aesthetics and warrants preservation, relocation or replacement as provided in sections 28-66, 28-67 and 28-68. Specimen trees shall not include any tree located on a private parcel of property of less than one acre zoned for residential use.
- *Windrow* means a series of trees (minimum of four), usually a variety of eucalyptus, planted in a closely spaced line no more than ten feet apart to provide a windbreak for the protection of property and/or agricultural crops.
- *Heritage tree* means any tree which:
    1. Is of historical value because of its association with a place, building, natural feature or event of local, regional or national historical significance as identified by city council resolution; or
    2. Is representative of a significant period of the city's growth or development (windrow tree, European Olive tree); or
    3. Is a protected or endangered species as specified by federal or state statute; or
    4. Is deemed historically or culturally significant by the city manager or his or her designee because of size, condition, location, or aesthetic qualities.

Section 28-64 – Permit required for removal of heritage, significant and specimen trees

Except as provided in section 28-65, no person shall remove or cause the removal of any heritage, significant or specimen tree unless a tree removal permit is first obtained.

Section 28-65 – Tree replacement and permit not required

No permit or replacement shall be required for:

1. Removal of trees planted, grown and/or held for sale by licensed nurseries and/or tree farms or the removal or transplanting of such trees pursuant to the operation of a licensed nursery and/or tree farm.
2. Emergency or routine trimming or pruning to protect or maintain overhead public utility lines, existing subsurface water lines, sewer or utility lines.
3. Removal of damage parts of a heritage, significant or specimen tree which has sustain an injured trunk, broken limbs, or uprooting as a result of storm damage or other acts of God, which create a hazard to life or property.
4. Removal of trees which are determined to be diseased and/or dead by a certified arborist and approved by the staff.
5. Removal of trees which are determined to be hindering the safe application or installation of traffic control devices or roadway improvements in the public right-of-way or trees which hinder the line of site as determined by the city engineer.
6. Removal of trees which are determined to be within the ultimate right-of-way as shown within the circulation element of the city's general plan.

Section 28-67 – Tree Replacement or relocation

a. Heritage, significant or specimen tree preservation on the site is preferred to relocation or replacement. Relocation is subject to a written report by a certified arborist on the feasibility of transplanting the subject tree. In the event that a permit is issued by the city for the removal of any heritage, significant or specimen tree as provided in sections 28-64 and 28-68, such trees removed shall be replaced with a species designated by the staff according to the following guidelines, unless the staff determines that replacement is inappropriate:
    1. Where existing eucalyptus windrows are to be removed along the existing or ultimate public right-of-way (R.O.W.), as shown within the circulation element of the city's general plan, they shall be replaced with appropriate street trees to be determined by the staff of not less than a 15-gallon size in a ratio of one tree from the city's approved tree list for every one removed. Eucalyptus windrow trees not along the existing public right-of-way which cannot be preserved or relocated shall be replaced according to the guidelines established in subsection (a)(2) of this section.
    2. All heritage and significant trees shall be replaced with a species designated by the designated staff according to the species, age, size, structure, and trunk diameter, graded on a scale from ten percent to 100 percent according to Table No. I.

Heritage and Significant Tree Replacement Table No. I[1] for Trees Under Seven Inches in Diameter

Trunk Diameter[2] (Approximate)/Replace With						
Scale Rating (10% to 100%)		0.75″/	2″/	3.25″/	4.5″/	6″/
Very poor	Below 45%	1/15 gal.	1/15 gal.	1/15 gal.	1/15 gal.	1/15 gal.

Heritage and Significant Tree Replacement
Table No. I[1] for Trees Under Seven Inches in Diameter

Trunk Diameter[2] (Approximate)/Replace With						
Scale Rating (10% to 100%)		0.75″/	2″/	3.25″/	4.5″/	6″/
Poor	45%–55%	1/15 gal.	1/15 gal.	1/15 gal.	1/15 gal.	1/15 gal.
Average	60%–70%	1/15 gal.	1/24″ box	1/36″ box	1/48″ box	1/60″ box
Very good	75%–85%	1/15 gal.	1/24″ box	2/36″ box	2/48″ box	2/60″ box
Excellent	90%–100%	1/15 gal.	1/24″ box	3/36″ box	3/48″ box	3/60″ box

1 Species Ratings and Condition Ratings in Tree Value Assessment by Alden Kelley, Consulting Arborist, December 1991.
2 Trunk diameter (caliper) is measured as six inches above ground level up to and including four-inch caliper size; at 12 inches above ground level above four-inch caliper and at or below eight-inch caliper; at 54 inches above ground level for all trees above eight-inch caliper size.

Heritage and Significant Tree Replacement
Table No. II[3] for Trees Seven Inches in Diameter or Greater

Scale Rating (10% to 100%)		Number Removed	Replace With	Minimum Size
Very poor	Below 45%	1	1	15 gallon
Poor	45%–55%	1	1	15 gallon
Average	60%	1	4	24″ box
	65%	1	4	24″ box
	70%	1	4	36″ box
Very good	75%	1	4	36″ box
	80%	1	4	48″ box
	85%	1	4	48″ box
Excellent	90%	1	4	60″ box
	95%	1	4	60″ box
	100%	1	4	72″ box

3 Species Ratings and Condition Ratings in Tree Value Assessment by Alden Kelley, Consulting Arborist, December 1991.

b. Specimen tree replacement. The staff shall determine which trees shall be considered as specimen trees and/or in conjunction with an excellent rating by a certified arborist. Specimen trees shall be replaced per the heritage and significant tree replacement Table No. II above with a species to be designated by staff.

c. All other trees which are not heritage, significant, or specimen tree shall be replaced. The size of the replacement tree(s) shall be based on a scale of ten percent to 100 percent. Staff may require that the ratings be performed by a certified arborist. The arborist report will be approved by staff.

Other Tree Replacement
Table No. III for Trees Under Seven Inches in Diameter

Trunk Diameter (Approximate)/Replace With						
Scale Rating (10% to 100%)		0.75″/	2″/	3.25″/	4.5″/	6″/
Very poor	Below 45%	1/15 gal.	1/15 gal.	1/15 gal.	1/15 gal.	1/15 gal.

Other Tree Replacement
Table No. III for Trees Under Seven Inches in Diameter

Trunk Diameter (Approximate)/Replace With						
Scale Rating (10% to 100%)		0.75″/	2″/	3.25″/	4.5″/	6″/
Poor	45%–55%	1/15 gal.	1/15 gal.	1/15 gal.	1/15 gal.	1/15 gal.
Average	60%–70%	1/15 gal.	1/15 gal.	1/24″ box	1/36″ box	1/48″ box
Very good	75%–85%	1/15 gal.	1/24″ box	1/36″ box	1/48″ box	2/48″ box
Excellent	90%–100%	1/15 gal.	1/24″ box	1/36″ box	2/48″ box	3/48″ box

Other Tree Replacement
Table No. IV for Trees Seven Inches in Diameter or Greater

Scale Rating (10% to 100%)		Number Removed	Replace With	Minimum Size
Very poor	Below 45%	1	1	15 gallon
Poor	45%–55%	1	1	15 gallon
Average	60%	1	4	24″ box
	65%	1	4	24″ box
	70%	1	4	36″ box
Very good	75%	1	4	36″ box
	80%	1	4	48″ box
	85%	1	4	48″ box

d. The replacement trees for heritage, significant and/or specimen trees shall be exclusive of the trees required as part of the standard landscape requirements.

e. The replacement trees shall be guaranteed for one year. The applicant shall file a cash bond with the city community development department in an amount to be determined by the staff to assure performance of this guarantee.

f. A tree that is determined by a certified arborist to be firewood harvested or stump regrowth shall be removed and replaced with one 15-gallon tree of a species to be determined by the staff.

g. In lieu of the replacement trees as required by subsections (a), (b) and (c), a cash equivalent as determined by the staff may be deposited with the city in the tree account. This account is established to purchase, plant or relocate trees in public areas, conduct surveys of trees in public areas, design master landscape plans to include trees in public areas, and maintain existing heritage, significant and/or specimen trees.

Note—Cash equivalent costs to be updated yearly by the staff through surveys of the landscape industry (Southern California Nurseries; Landscape Contractors Association).

4.1.2 Migratory Bird Treaty Act

The Migratory Bird Treaty Act requires tree removal and potentially disturbing construction activities to occur during certain periods to avoid harassment of nesting birds. According to the Migratory Bird Treaty Act, no construction or other disturbing activities can occur within 500 feet of an active bird nest during the period beginning in February and ending in August of each year. Biological surveys should be conducted to provide clearance for project initiation.

INTENTIONALLY LEFT BLANK

5 Impacts

Tree impacts were determined using GIS technology and spatial locations of trees relative to the project impact areas (limits of grading). Impacts were further determined based on Dudek's experience with native and non-native trees, and trees' typical reactions to root disturbances from construction activities, such as soil compaction, excavation, and remedial grading. The impact analysis results in this arborist report were used for developing appropriate mitigation measures for the project.

Impacts to trees can be classified as direct or indirect. Direct impacts to trees related to site improvements are typically the result of physical injuries or changes caused by machinery involved with the development process. Direct impacts include tree removal, root damage, soil excavation and compaction, grade changes, loss of canopy, and trunk wounds, among others. Indirect impacts to trees are the result of changes to the site that may cause tree decline, even when the tree is not directly injured. Indirect impacts include alterations to stream flow rates, diversion of groundwater flow, introduction of exotic plant species, and alterations to disturbance regimes. Wider-scale alterations to the area near trees, as well as specific changes that occur around the trees, are important considerations.

In general, there is a great deal of variation in tolerance to construction impacts among tree species, ages, and conditions. It is important to know how a certain tree—based on its species, age, and condition—would respond to different types of disturbance. Mature specimens are typically more sensitive to root disturbance and grade changes. In general, healthy trees will respond better to changes in their growing environment. Trees in poor health or under stressed conditions may not be vigorous enough to cope with direct or indirect impacts from construction activities. The trees on the project site vary in age and condition.

The impact totals are based on conceptual disturbance limits and development plans reviewed as of the publication of this arborist report. As such, the actual number of trees that are subject to direct and indirect impacts may change as the detailed site planning process proceeds.

5.1 Direct Tree Impacts – Protected Trees

For the purposes of this arborist report, direct impacts are those associated with tree removal or encroachment within the tree-protected zone (either the canopy drip line plus 5 feet or 10 feet from the trunk, whichever is greater). Tree removal is required when the trunk is located inside or within 2 feet of the proposed limits of grading. Encroachment is expected when soil and roots are disturbed within the tree-protected zone. Table 1 summarizes the total number of trees that are expected to be subject to direct construction-related impacts. In total, 10 protected trees would be directly impacted. Of the 10 trees directly impacted, 2 require removal, and the remaining 8 would be encroached upon. All eight encroachment trees are located on an adjacent property. The locations of impacted trees are presented by impact type in Appendix C, Tree Disposition Exhibit.

Table 1. Protected Trees Subject to Construction-Related Impacts

Scientific Name	Common Name	Removal	Encroachment	Total
Eucalyptus camaldulensis	Red gum	1	8	9
Platanus racemosa	California sycamore	1	0	1
	Total	**2**	**8**	**10**

5.2 Direct Tree Impacts – Other Trees

In total, the project would directly impact 58 other (non-protected) trees. Of the 58 other trees, 47 require removal and 11 would be encroached upon. The locations of impacted trees are presented by impact type in Appendix C.

5.3 Potential Relocation Candidates

In addition to the general site tree evaluations, Dudek evaluated all of the impacted protected trees for their potential for preservation in place or relocation. Trees identified as candidates for preservation in place and relocation typically exhibit good health (new growth and vigor) and structure (trunk/branching); have no uncorrectable, outwardly detectable defects; and show no signs or symptoms of serious pest infestation or species-specific pathogens. For the trees to avoid incidental damage during construction or relocation, preservation and protection measures must be provided before, during, and after the construction phase. Appendix D, Tree Protection Measures, provided recommended measures for implementation before, during, and after the construction phase.

None of the protected or other trees located on the project site are considered suitable candidates for relocation. Tree relocation is a very stressful process that requires ideal tree candidates that are healthy, have good structure, are not too large, and meet other criteria important to their long-term survival. None of the trees assessed as part of this arborist report meet these requirements. Individual tree dispositions and locations are provided in Appendices B and C, respectively.

5.4 Tree Impact and Recommended Removal Summary – All Trees (Project)

In total, 78 trees are located on or immediately adjacent to the project site, of which 49 would require removal to accommodate the proposed project and require mitigation in accordance with the Fontana Code of Ordinances. In addition to the 49 trees requiring removal, an additional 19 trees would be encroached upon by the project. All 19 encroachment trees are recommended for preservation and protection. The 49 trees requiring removal are composed of 1 protected heritage tree, 1 protected significant tree, and 47 other trees. The 19 encroachment trees are comprised of 8 heritage trees and 11 other trees. Individual tree protection status and impact dispositions are present in Appendix C.

5.5 Tree Preservation and Encroachment – All Trees (Project)

In total, 29 trees would remain in place. Of the 29 trees that would remain in place, 19 will be encroached upon. The 19 encroachment trees are comprised of eight heritage trees and 11 other trees as defined by the City of Fontana. All 29 preserved and encroachment trees are located immediately adjacent to the proposed project site. Furthermore, it should be noted that 10 of the 29 off-site preserved/encroachment trees are dead. Encroachment is expected when soil and roots are disturbed within the tree-protected zone, but the trees will not require removal. Dudek recommends that any remaining trees be protected according to the tree protection measures described in Appendix D.

6 Mitigation

The project's mitigation plan is consistent with the goals and intent of the Fontana Code of Ordinances. The recommended mitigation program, as discussed in this section, meets City requirements for tree preservation, protection, and mitigation.

6.1 Tree Ordinance Replacement Requirements

The Fontana Code of Ordinances requires mitigation for all impacted trees, except for those found to be dead, by an ISA Certified Arborist. As such, mitigation will be required for the potential impacts associated with the project affecting 49 trees.

This arborist report discusses tree mitigation plantings to address such impacts and satisfies the City's requirements. It is assumed that the mitigation outlined herein is applicable to the impacts presented by the currently proposed project, and where it is possible to reduce tree impacts through planning and other efforts identified at later stages of project development, mitigation measures would be reduced proportionally.

The Fontana Code of Ordinances (City of Fontana 2016) requires that a permittee replace protected trees approved for removal in accordance with Section 28-67 of the Fontana Code of Ordinances, which states the following (City of Fontana 2016):

> Heritage, significant or specimen tree preservation on the site is preferred to relocation or replacement. Relocation is subject to a written report by a certified arborist on the feasibility of transplanting the subject tree. In the event that a permit is issued by the city for the removal of any heritage, significant or specimen tree as provided in sections 28-64 and 28-68, such trees removed shall be replaced with a species designated by the staff according to the following guidelines, unless the staff determines that replacement is inappropriate.

Furthermore, the Fontana Code of Ordinances states, "all other trees which are not heritage, significant, or specimen tree shall be replaced. The size of the replacement tree(s) shall be based on a scale of 10% to 100%. Staff may require that the ratings be performed by a certified arborist. The arborist report will be approved by staff" (City of Fontana 2016). Detailed information regarding tree replacement quantities can be found in Section 28-67 of the Fontana Code of Ordinances, or in the discussion under Section 4.1, Regulatory Definitions and Requirements, of this arborist report.

6.2 Tree Replacement Plan

The City's tree replacement requirements are designed to require the planting of protected trees at a replacement ratio dependent on tree size and overall condition using 15-gallon to 60-inch box trees. As such, and in an effort to meet the goals and intentions of the Fontana Code of Ordinances, Dudek recommends that the 49 protected and other impacted trees be mitigated (planted and/or through an in-lieu fee) with a minimum of 110 trees, as outlined in Table 2 and as required by the City. Replacement requirements on an individual tree basis are described in Appendix B.

Table 2. Impacted Tree Replacement Size and Number

Protection Classification	Replacement Size					Total per Classification
	15-gallon	24-inch box	36-inch box	48-inch box	60-inch box	
Heritage/Significant	1	4	0	0	0	5
Other	26	72	5	2	0	105
Totals per size	**27**	**76**	**5**	**2**	**0**	**110**

Based on a review of the landscape plan provided in Appendix E, the proposed project would incorporate 55 24-inch box trees, 99 36-inch box street trees, and 21 48-inch box trees into the post-development landscape. In total, the proposed landscape, not including 21 palm trees, includes the planting of 175 trees. The number of proposed tree plantings and box size requirement is greater than that required by the Fontana Code of Ordinances. The proposed post-development landscape plan does not include the planting of 15-gallon box trees and 21 of the required 24-inch box trees as is required by the City ordinance. However, as stated and shown in Appendix E, a total of 99 36-inch box trees (94 more than required) and 21 48-inch box trees (19 more than required) are proposed for planting, which is greater than the City requirements and results in an additional 65 trees above and beyond the City requirements (not including 17 palms).

In accordance with Section 28-67 of the City's Municipal Code, the City may require that in-lieu fees be deposited in the City's tree account for the replacement of trees that cannot be accommodated on site (City of Fontana 2016). This account is established to purchase, plant, or relocate trees in public areas; conduct surveys of trees in public areas; design master landscape plans to include trees in public areas; and maintain existing heritage, significant, and/or specimen trees. As such, to assist with project planning, and if needed, the estimated cost associated with planting is approximately $150 per tree for 15-gallon replacements, $225 per tree for 24-inch box replacements, $645 for 36-inch box replacements, $2,400 for 48-inch box replacements, and $5,200 for 60-inch box replacements. It should be noted that the final total in-lieu fee, if any, would be based on any trees that could not be planted on site and at the discretion of the City. However, based on the proposed landscape, an in-lieu fee will not be required.

6.3 Tree Replacement Species

The proposed tree replacement species, as identified in Appendix E, include a mix of nine alternative tree species. The applicant is proposing the following species for mitigation: 3 36-inch box marina hybrid strawberry (*Arbutus x marina*), 28 24-inch box Raywood ash (*Fraxinus angustifolia oxycarpa*), 15 24-inch box bay laurel (*Laurus nobilis 'column'*), 22 36-inch box Saratoga hybrid laurel (*Laurus x saratoga*), 18 48-inch box fruitless olives (*Olea europaea 'wilsoni'*), 12 24-inch box evergreen pear (*Pyrus kawakamii*), 3 48-inch box coast live oak (*Quercus agrifolia*), 27 36-inch box valley oak (*Quercus lobata*), and 47 36-inch box Drake lacebark elm (*Ulmus parvifolia 'Drake'*). Details regarding individual proposed planting locations are provided in Appendix F.

6.4 Tree Removal Permit

Consistent with Section 28-64 of the Fontana Code of Ordinances (City of Fontana 2016), a tree removal permit will be required prior to all tree removals.

6.5 Monitoring Program

Trees should be planted in early winter and followed by a 1-year monitoring period, as required by the City. Given proper installation methods and protective measures, a high survival rate is expected, though some loss may occur. If a new tree declines to a poor condition (as determined by an ISA Certified Arborist) before the end of the monitoring period, it should be replaced with a tree of the same species and size per City requirements.

Replacement standards for trees that do not survive should be clearly established. Trees that are lost during the 1-year monitoring period due to controllable factors—such as mismanagement of water, poor soil conditions, rodent and other wildlife damage, improper planting, or poor plant performance—are typically replaced at a 1:1 ratio. Tree loss from natural causes, such as wildfire, flooding, or other natural events, may not necessarily require replacement because penalties are not usually levied for events beyond the control of the project developer. General tree planting, maintenance, and protection guidelines are included in Appendix D.

6.6 Tree Protection

In total, 29 trees on or immediately adjacent to the project site will be retained; of these 29 trees, 10 are dead. As such, Dudek recommends that any remaining live trees, especially those that will be encroached upon, be protected according to the tree protection measures described in Appendix D.

INTENTIONALLY LEFT BLANK

7 Conclusions

In total, 78 trees are located on or immediately adjacent to the project site, and of these, 49 would require removal to accommodate the proposed project and require mitigation in accordance with the Fontana Code of Ordinances. The 49 trees are composed of 1 protected heritage tree, 1 protected significant tree, and 47 other trees. As such, and in an effort to meet the goals and intentions of the Fontana Code of Ordinances, Dudek recommends that the 49 protected and other impacted trees be mitigated (planted and/or through an in-lieu fee) with a minimum of 110 trees, as outlined in Table 2 and as required by the City. Based on a review of the landscape plan (Appendix E), the proposed project would incorporate 55 24-inch box trees, 99 36-inch box street trees, and 21 48-inch box trees into the post-development landscape. In total, the proposed landscape includes the planting of 175 trees. The number of proposed tree plantings and box size requirement is greater than that required by the Fontana Code of Ordinances and results in 65 additional trees on site (not including palms). Furthermore, 29 trees on or immediately adjacent to the project site will be retained, of which 10 are dead. As such, Dudek recommends that any remaining live trees, especially those that will be encroached upon, be protected according to the tree protection measures described in Appendix D.

Arborist's Statement

This arborist report provides conclusions and recommendations based on an examination of the trees and surrounding site by ISA Certified Arborists. Arborists are tree specialists who use their education, knowledge, training, and experience to examine trees, recommend measures to enhance the beauty and health of trees, and attempt to reduce the risk of living near trees.

The tree assessments did not include root crown excavations, investigations, or internal probing. Therefore, the presence or absence of internal decay or other hidden inferiorities in individual trees could not be confirmed. It is recommended that any large tree proposed for preservation in an area that receives human use be thoroughly inspected for internal or subterranean decay by a qualified arborist before finalizing preservation plans.

Arborists cannot detect every condition that could possibly lead to the failure of a tree. Trees are living organisms that fail in ways not fully understood. Conditions are often hidden within trees and belowground. Arborists cannot guarantee that a tree will be healthy or safe under all circumstances or for a specified period. There are no guarantees that a tree's condition will not change over a short or long period due to weather or cultural or environmental conditions. Trees can be managed, but not controlled.

INTENTIONALLY LEFT BLANK

8 References

California Geospatial Portal. 2022. Public Land Survey System (PLSS): Township and Range [online mapping portal]. https://gis.data.ca.gov/datasets/ea19d0ff6d584755b8153701fa8f4346/explore?location=37.001215%2C-119.333000%2C6.69.

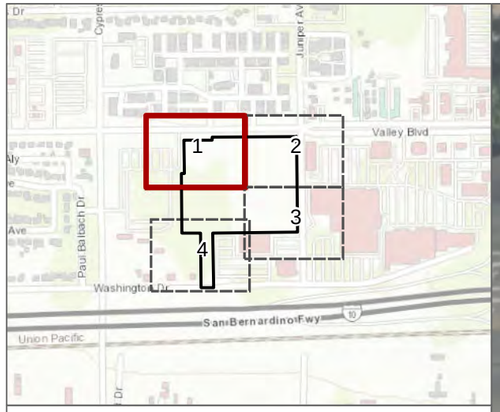
City of Fontana. 2016. The Code of the City of Fontana, California. Adopted 1993. Last updated October 31, 2016. Accessed February 2017. https://www.municode.com/library/ca/fontana/codes/code_of_ordinances?nodeId=12233.

Council of Tree and Landscape Appraisers. 2000. *Guide for Plant Appraisal*. 9th ed. Champagne, Illinois: International Society of Arboriculture.

INTENTIONALLY LEFT BLANK

Appendix A

Tree Location Exhibit



Project Site

Species

- *Alianthus altissima*, Tree of Heaven
- *Ceiba speciosa*, Silk Floss Tree
- *Cupressus sempervirens*, Italian Cypress
- *Eucalyptus camaldulensis*, Red gum
- *Eucalyptus camaldulensis*, Resprout
- *Eucalyptus camaldulensis*, Stump
- *Eucalyptus camaldulensis*, Stump resprout
- *Fraxinus uhdei*, Evergreen ash
- *Geijera parviflora*, Australian willow
- *Jacaranda mimosifolia*, Jacaranda
- *Melia azedarach*, Melia azedarach
- *Morus indica*, Melia azedarach
- *Morus indica*, Morus indica
- *Olea europaea*, Olive
- *Platanus racemosa*, California Sycamore
- *Syzygium*, Szgium
- *Washingtonia robusta*, Mexican Fan Palm



SOURCE: AERIAL-BING MAPPING SERVICE; DEVELOPMENT-ARCHITECTURE DESIGN COLLABORATIVE 2022

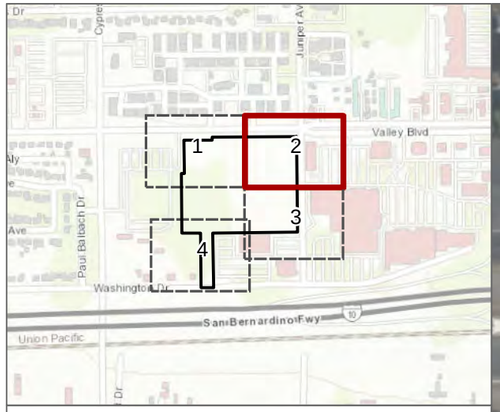
DUDEK

0 25 50 Feet

Appendix A - View 1

Tree Locations

Arborist Report for the JPI Fontana Apartments Project



Project Site

Species

- *Alianthus altissima*, Tree of Heaven
- *Ceiba speciosa*, Silk Floss Tree
- *Cupressus sempervirens*, Italian Cypress
- *Eucalyptus camaldulensis*, Red gum
- *Eucalyptus camaldulensis*, Resprout
- *Eucalyptus camaldulensis*, Stump
- *Eucalyptus camaldulensis*, Stump resprout
- *Fraxinus uhdei*, Evergreen ash
- *Geijera parviflora*, Australian willow
- *Jacaranda mimosifolia*, Jacaranda
- *Melia azedarach*, Melia azedarach
- *Morus indica*, Melia azedarach
- *Morus indica*, Morus indica
- *Olea europaea*, Olive
- *Platanus racemosa*, California Sycamore
- *Syzygium*, Szgium
- *Washingtonia robusta*, Mexican Fan Palm



SOURCE: AERIAL-BING MAPPING SERVICE; DEVELOPMENT-ARCHITECTURE DESIGN COLLABORATIVE 2022

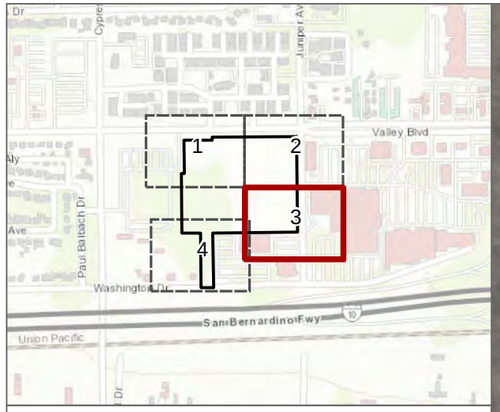
DUDEK

0 25 50 Feet

Appendix A - View 2

Tree Locations

Arborist Report for the JPI Fontana Apartments Project



Project Site

Species

- *Alianthus altissima*, Tree of Heaven
- *Ceiba speciosa*, Silk Floss Tree
- *Cupressus sempervirens*, Italian Cypress
- *Eucalyptus camaldulensis*, Red gum
- *Eucalyptus camaldulensis*, Resprout
- *Eucalyptus camaldulensis*, Stump
- *Eucalyptus camaldulensis*, Stump resprout
- *Fraxinus uhdei*, Evergreen ash
- *Geijera parviflora*, Australian willow
- *Jacaranda mimosifolia*, Jacaranda
- *Melia azedarach*, Melia azedarach
- *Morus indica*, Melia azedarach
- *Morus indica*, Morus indica
- *Olea europaea*, Olive
- *Platanus racemosa*, California Sycamore
- *Syzygium*, Szgium
- *Washingtonia robusta*, Mexican Fan Palm



SOURCE: AERIAL-BING MAPPING SERVICE; DEVELOPMENT-ARCHITECTURE DESIGN COLLABORATIVE 2022

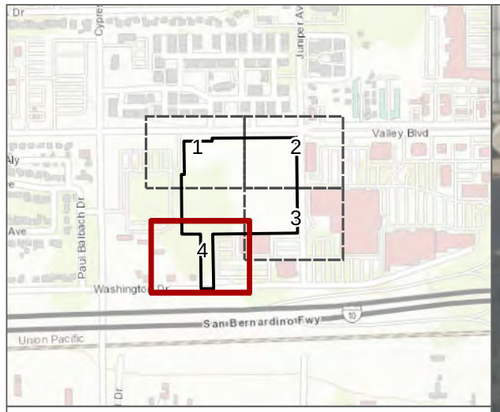
DUDEK

0 25 50 Feet

Appendix A - View 3

Tree Locations

Arborist Report for the JPI Fontana Apartments Project



Project Site

Species

- *Alianthus altissima*, Tree of Heaven
- *Ceiba speciosa*, Silk Floss Tree
- *Cupressus sempervirens*, Italian Cypress
- *Eucalyptus camaldulensis*, Red gum
- *Eucalyptus camaldulensis*, Resprout
- *Eucalyptus camaldulensis*, Stump
- *Eucalyptus camaldulensis*, Stump resprout
- *Fraxinus uhdei*, Evergreen ash
- *Geijera parviflora*, Australian willow
- *Jacaranda mimosifolia*, Jacaranda
- *Melia azedarach*, Melia azedarach
- *Morus indica*, Melia azedarach
- *Morus indica*, Morus indica
- *Olea europaea*, Olive
- *Platanus racemosa*, California Sycamore
- *Syzygium*, Szgium
- *Washingtonia robusta*, Mexican Fan Palm

SOURCE: AERIAL-BING MAPPING SERVICE; DEVELOPMENT-ARCHITECTURE DESIGN COLLABORATIVE 2022

DUDEK

0 25 50 Feet

Appendix A - View 4

Tree Locations

Arborist Report for the JPI Fontana Apartments Project

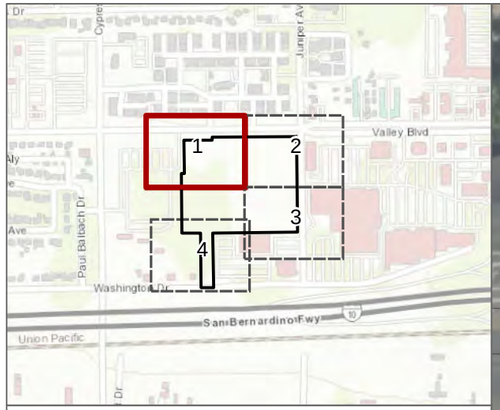
Appendix B
Tree Information Matrix

Tree Information Matrix

Tree No.	Botanical Name	Common Name	Stems	Individual Stem Diameters (in.)						Diameter (in.)	Height (ft.)	Crown Width (ft.)	Structure	Health	Overall Rating	Replacement Quantity	Replacement Size	Status	Notes	Disposition	X-coordinate	Y-coordinate
				D1	D2	D3	D4	D5	D6													
1	Eucalyptus camaldulensis	Red gum	1	20	0	0	0	0	0	20	45	47	65	60	63	4	24" Box	Other		Direct	6730692.10669	1848359.37049
2	Eucalyptus camaldulensis	Red gum	5	15	11	10	24	23	0	39	60	35	65	60	63	4	24" Box	Other		Direct	6730662.61541	1848312.33452
3	Eucalyptus camaldulensis	Red gum	2	24	11	0	0	0	0	26	47	35	50	60	55	1	15 Gallon	Other		Direct	6730705.53013	1848305.30386
4	Eucalyptus camaldulensis	Red gum	5	14	11	12	12	9	0	26	50	45	50	60	55	1	15 Gallon	Other		Direct	6730716.04430	1848302.61439
5	Eucalyptus camaldulensis	Red gum	6	12	9	10	8	4	4	21	45	29	50	60	55	1	15 Gallon	Other		Direct	6730706.96431	1848274.75174
6	Eucalyptus camaldulensis	Red gum	2	40	27	0	0	0	0	48	65	46	65	60	63	4	24" Box	Other		Direct	6730714.61140	1848263.80953
7	Alianthus altissima	Tree of Heaven	1	9	0	0	0	0	0	9	12	15	65	60	63	4	24" Box	Other		Direct	6730669.67207	1848166.64079
8	Alianthus altissima	Tree of Heaven	1	5	0	0	0	0	0	5	12	8	65	60	63	1	36" Box	Other		Direct	6730669.10911	1848156.50979
9	Eucalyptus camaldulensis	Red gum	1	50	0	0	0	0	0	50	70	35	65	60	63	4	24" Box	Other		Direct	6730692.05915	1848123.83064
10	Alianthus altissima	Tree of Heaven	1	16	0	0	0	0	0	16	35	20	65	60	63	0	N/A	Other		Encroached	6730826.86605	1847772.58607
11	Morus indica	Morus indica	13	3	2	2	2	2	2	5	14	22	50	60	55	1	15 Gallon	Other	2,2,2,2,2,2,1	Direct	6731188.39633	1847828.26758
12	Eucalyptus camaldulensis	Red gum	2	24	5	0	0	0	0	25	30	25	65	60	63	4	24" Box	Other		Direct	6731211.97087	1847803.77201
13	Eucalyptus camaldulensis	Red gum	1	60	0	0	0	0	0	60	85	47	65	60	63	0	N/A	Other		Encroached	6731230.54598	1847783.19294
14	Olea europaea	Olive	2	13	0	0	0	0	0	13	20	27	65	60	63	4	24" Box	Other		Direct	6731225.86825	1847810.77103
15	Olea europaea	Olive	3	13	28	12	0	0	0	33	28	27	50	60	55	1	15 Gallon	Other		Direct	6731225.99715	1847870.56559
16	Alianthus altissima	Tree of Heaven	7	3	6	8	4	5	4	13	18	17	65	60	63	4	24" Box	Other	3	Direct	6731167.89550	1847871.00326
17	Alianthus altissima	Tree of Heaven	2	6	3	0	0	0	0	7	18	15	65	60	63	4	24" Box	Other		Direct	6731147.67883	1847883.38039
18	Alianthus altissima	Tree of Heaven	3	3	3	3	0	0	0	5	18	15	50	60	55	1	15 Gallon	Other		Direct	6731132.84428	1847885.65493
19	Alianthus altissima	Tree of Heaven	4	3	6	6	4	0	0	10	18	15	50	60	55	1	15 Gallon	Other		Direct	6731145.68141	1847878.63093
20	Alianthus altissima	Tree of Heaven	6	3	7	5	4	3	5	12	18	15	50	60	55	1	15 Gallon	Other		Direct	6731134.09287	1847886.51519
21	Alianthus altissima	Tree of Heaven	2	1	2	0	0	0	0	2	18	15	50	60	55	1	15 Gallon	Other		Direct	6731121.09258	1847884.38820
22	Alianthus altissima	Tree of Heaven	3	2	6	5	0	0	0	8	18	15	50	60	55	1	15 Gallon	Other		Direct	6731123.78578	1847883.74133
23	Alianthus altissima	Tree of Heaven	2	3	7	0	0	0	0	8	18	15	50	60	55	1	15 Gallon	Other		Direct	6731124.67024	1847882.37380
24	Alianthus altissima	Tree of Heaven	1	6	0	0	0	0	0	6	18	15	75	80	78	2	48" Box	Other		Direct	6731122.34692	1847881.08888
25	Cupressus sempervirens	Italian Cypress	1	13	0	0	0	0	0	13	30	12	75	60	68	4	24" Box	Other		Direct	6731206.82185	1848333.67758
26	Melia azedarach	Melia azedarach	1	24	0	0	0	0	0	24	8	8	50	60	55	1	15 Gallon	Other		Direct	6731151.08423	1848304.73690
27	Melia azedarach	Melia azedarach	1	24	0	0	0	0	0	24	8	8	50	60	55	1	15 Gallon	Other		Direct	6731144.49887	1848289.92051
28	Morus indica	Melia azedarach	2	27	22	0	0	0	0	35	30	32	65	80	73	4	36" Box	Other	No tag	Direct	6731039.88749	1848228.38241
29	Platanus racemosa	California Sycamore	30	1	1	1	1	1	1	2	12	13	20	60	40	1	15 Gallon	Significant	Stump resprout	Direct	6731045.55305	1848152.45665
30	Eucalyptus camaldulensis	Red gum	1	24	0	0	0	0	0	24	40	26	50	40	45	1	15 Gallon	Other		Direct	6730967.43247	1848413.08990
31	Eucalyptus camaldulensis	Red gum	1	42	0	0	0	0	0	42	70	45	65	40	53	1	15 Gallon	Other		Direct	6730944.73617	1848417.68894
32	Eucalyptus camaldulensis	Red gum	2	6	12	0	0	0	0	13	27	17	65	60	63	4	24" Box	Other		Direct	6730933.60117	1848420.77295
33	Eucalyptus camaldulensis	Red gum	3	9	13	32	0	0	0	36	35	30	65	60	63	4	24" Box	Other		Direct	6730941.46144	1848396.30673
34	Eucalyptus camaldulensis	Red gum	1	32	0	0	0	0	0	32	40	22	50	40	45	1	15 Gallon	Other		Direct	6730918.26011	1848406.93920
35	Eucalyptus camaldulensis	Red gum	1	28	0	0	0	0	0	28	34	30	50	40	45	1	15 Gallon	Other		Direct	6730899.69922	1848408.38068
36	Eucalyptus camaldulensis	Red gum	2	28	12	0	0	0	0	30	26	29	50	60	55	1	15 Gallon	Other		Direct	6730864.50252	1848405.62972
37	Eucalyptus camaldulensis	Red gum	3	8	9	3	0	0	0	12	25	18	50	60	55	1	15 Gallon	Other		Direct	6730827.96984	1848403.50072
38	Eucalyptus camaldulensis	Red gum	1	31	0	0	0	0	0	31	29	25	65	60	63	4	24" Box	Other		Direct	6730793.32776	1848408.01399
39	Eucalyptus camaldulensis	Red gum	2	15	3	0	0	0	0	15	29	22	65	60	63	4	24" Box	Other		Direct	6730763.83245	1848418.84613
40	Alianthus altissima	Tree of Heaven	6	1	1	1	1	1	1	2	11	8	65	60	63	1	15 Gallon	Other		Direct	6730806.44301	1848392.30521
41	Melia azedarach	Melia azedarach	2	20	16	0	0	0	0	26	20	30	50	60	55	1	15 Gallon	Other		Direct	6730800.17100	1848356.85728
42	Alianthus altissima	Tree of Heaven	3	7	8	8	0	0	0	13	22	30	65	60	63	4	24" Box	Other		Direct	6730801.61979	1848332.50646
43	Cupressus sempervirens	Italian Cypress	1	12	0	0	0	0	0	12	25	8	75	60	68	4	24" Box	Other		Direct	6730756.00615	1848370.90796
44	Eucalyptus camaldulensis	Red gum	1	7	0	0	0	0	0	7	30	0	0	0	0	0	N/A	Heritage		Offsite Dead	6730465.05441	1847773.54899
45	Eucalyptus camaldulensis	Red gum	1	19	0	0	0	0	0	19	40	20	50	60	55	0	N/A	Heritage		Encroached	6730483.00767	1847771.55708
46	Eucalyptus camaldulensis	Red gum	1	12	0	0	0	0	0	12	22	0	0	0	0	0	N/A	Heritage		Offsite Dead	6730493.33012	1847771.87430
47	Eucalyptus camaldulensis	Red gum	1	17	0	0	0	0	0	17	65	15	65	60	63	0	N/A	Heritage		Encroached	6730533.18579	1847771.29594
48	Eucalyptus camaldulensis	Red gum	1	21	0	0	0	0	0	21	75	30	65	60	63	0	N/A	Heritage		Encroached	6730540.98679	1847773.32452
49	Eucalyptus camaldulensis	Stump	0	0	0	0	0	0	0	0	0	0		0	0	0	N/A	Other	Stump resprout	Offsite Stump	6730562.27166	1847771.78823
50	Eucalyptus camaldulensis	Stump	0	0	0	0	0	0	0	0	0	0		0	0	0	N/A	Other	Stump resprout	Offsite Stump	6730577.88601	1847769.35417
51	Eucalyptus camaldulensis	Stump resprout	6	9	3	3	2	3	3	11	20	20	50	60	55	1	15 Gallon	Other	Stump resprout	Direct	6730604.52878	1847766.26584
52	Eucalyptus camaldulensis	Red gum	1	29	0	0	0	0	0	29	70	35	65	60	63	0	N/A	Heritage		Encroached	6730687.79820	1847757.55709
53	Syzygium	Szgium	1	10	0	0	0	0	0	10	22	18	65	60	63	0	N/A	Other		Encroached	6730742.67299	1847771.39771
54	Alianthus altissima	Tree of Heaven	1	18	0	0	0	0	0	18	35	30	65	60	63	4	24" Box	Other		Direct	6730826.47487	1847782.27211
55	Geijera parviflora	Australian willow	2	6	6	0	0	0	0	8	18	18	65	60	63	0	N/A	Other		Encroached	6730681.25498	1847681.67552
56	Jacaranda mimosifolia	Jacaranda	1	10	0	0	0	0	0	10	18	20	65	60	63	0	N/A	Other		Encroached	6730682.66987	1847524.45043
57	Jacaranda mimosifolia	Jacaranda	1	8	0	0	0	0	0	8	20	20	65	60	63	0	N/A	Other		Encroached	6730684.09302	1847501.42280
58	Eucalyptus camaldulensis	Red gum	1	10	0	0	0	0	0	10	40	20	65	60	63	0	N/A	Heritage		Encroached	6730682.05130	1847455.97486
59	Washingtonia robusta	Mexican Fan Palm	1	20	0	0	0	0	0	20	35	12	65	60	63	4	24" Box	Other		Direct	6730626.55064	1847441.65763
60	Eucalyptus camaldulensis	Red gum	1	24	0	0	0	0	0	24	60	30	50	60	55	0	N/A	Heritage		Encroached	6730477.03430	1847772.04283
61	Eucalyptus camaldulensis	Red gum	1	17	0	0	0	0	0	17	65	20	50	60	55	0	N/A	Heritage		Encroached	6730506.14453	1847770.64467
62	Eucalyptus camaldulensis	Red gum	1	8	0	0	0	0	0	8	25	0	0	0	0	0	N/A	Heritage		Offsite Dead	6730515.90106	1847770.86913
63	Eucalyptus camaldulensis	Red gum	1	17	0	0	0	0	0	17	65	0	0	0	0	0	N/A	Heritage		Offsite Dead	6730525.03673	1847772.07806
64	Eucalyptus camaldulensis	Stump	0	0	0	0	0	0	0	0	0	0		0	0	0	N/A	Other	Stump resprout	Offsite Stump	6730549.80837	1847771.22269
65	Eucalyptus camaldulensis	Stump	0	0	0	0	0	0	0	0	0	0		0	0	0	N/A	Other	Stump resprout	Offsite Stump	6730554.95097	1847773.07106
66	Eucalyptus camaldulensis	Stump	0	0	0	0	0	0	0	0	0	0		0	0	0	N/A	Other	Stump resprout	Offsite Stump	6730570.94050	1847767.20358
67	Eucalyptus camaldulensis	Resprout	4	5	3	2	2	0	0	6	20	20	50	60	55	1	15 Gallon	Other		Direct	6730630.76663	1847763.63457
68	Eucalyptus camaldulensis	Resprout	5	6	6	6	6	5	0	13	30	25	50	60	55	1	15 Gallon	Other		Direct	6730644.50922	1847767.22813
69	Eucalyptus camaldulensis	Resprout	3	3	3	3	0	0	0	5	20	10	50	60	55	1	15 Gallon	Other		Direct	6730653.82479	1847766.06960
70	Eucalyptus camaldulensis	Resprout	6	8	6	6	4	3	6	14	30	18	50	60	55	1	15 Gallon	Other		Direct	6730669.08093	1847765.04343
71	Eucalyptus camaldulensis	Red gum	3	11	0	0	0	0	0	11	45	20	65	60	63	4	24" Box	Heritage		Direct	6730706.51098	1847778.41585
72	Eucalyptus camaldulensis	Red gum	1	14	0	0	0	0	0	14	45	25	65	60	63	0	N/A	Heritage		Encroached	6730779.62789	1847772.29707
73	Ceiba speciosa	Silk Floss Tree	1	10	0	0	0	0	0	10	20	0	0	0	0	0	N/A	Other		Offsite Dead	6730679.06292	1847743.13346
74	Geijera parviflora	Australian willow	1	12	0	0	0	0	0	12	18	18	65	60	63	0	N/A	Other		Encroached	6730679.75691	1847648.12704
75	Jacaranda mimosifolia	Jacaranda	3	9	6	9	0	0	0	14	20	15	65	60	63	0	N/A	Other		Encroached	6730682.93267	1847584.13686
76	Fraxinus uhdei	Evergreen ash	3	9	10	6	0	0	0	15	20	20	50	60	55	0	N/A	Other		Encroached	6730684.42784	1847558.37827
77	Jacaranda mimosifolia	Jacaranda	3	6	9	8	0	0	0	13	24	20	65	60	63	0	N/A	Other		Encroached	6730683.20995	1847542.28178
78	Jacaranda mimosifolia	Jacaranda	1	5	0	0	0	0	0	5	12	12	65	60	63	0	N/A	Other		Encroached	6730679.43178	1847486.02806

Appendix C

Tree Disposition Exhibit



Project Site

Disposition

- Direct
- Encroached
- Offsite Stump
- Offsite Dead



SOURCE: AERIAL-BING MAPPING SERVICE; DEVELOPMENT-ARCHITECTURE DESIGN COLLABORATIVE 2022

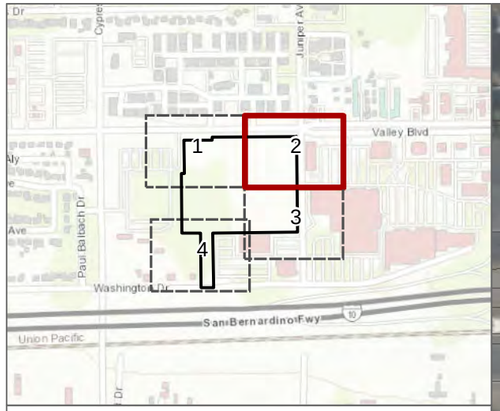
DUDEK

0 25 50 Feet

Appendix B - View 1

Tree Impacts

Arborist Report for the West Valley Logistics Center Project



Project Site

Disposition

- Direct
- Encroached
- Offsite Stump
- Offsite Dead

Valley Blvd

Juniper Ave

25
26
27
28
29
30
31
32
33
34
35

bing

SOURCE: AERIAL-BING MAPPING SERVICE; DEVELOPMENT-ARCHITECTURE DESIGN COLLABORATIVE 2022

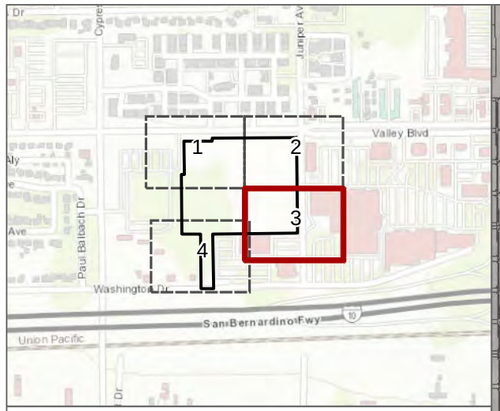
DUDEK

0 25 50 Feet

Appendix B - View 2

Tree Impacts

Arborist Report for the West Valley Logistics Center Project



Project Site

Disposition

- Direct
- Encroached
- Offsite Stump
- Offsite Dead



SOURCE: AERIAL-BING MAPPING SERVICE; DEVELOPMENT-ARCHITECTURE DESIGN COLLABORATIVE 2022

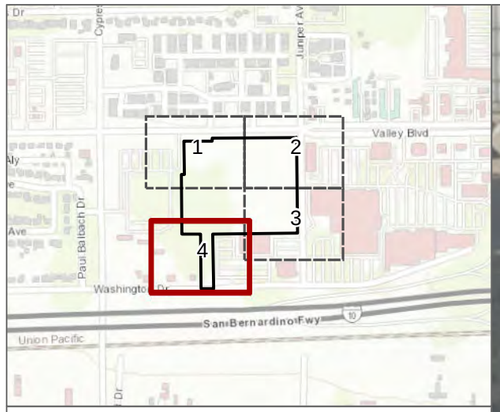
DUDEK

0 25 50 Feet

Appendix B - View 3

Tree Impacts

Arborist Report for the West Valley Logistics Center Project



Project Site

Disposition

- Direct
- Encroached
- Offsite Stump
- Offsite Dead



SOURCE: AERIAL-BING MAPPING SERVICE; DEVELOPMENT-ARCHITECTURE DESIGN COLLABORATIVE 2022

DUDEK

0 25 50 Feet

Appendix B - View 4

Tree Impacts

Arborist Report for the West Valley Logistics Center Project

Appendix D
Tree Protection Measures

Appendix D – Tree Protection Measures

The following sections are included as general guidelines for tree protection from construction impacts. The measures presented should be monitored by arborists and enforced by contractors and developers for maximum benefit to the trees.

Tree Protection Measures Prior to Construction

Fencing: All remaining trees that will not be relocated or removed shall be preserved and protected in place. Trees within approximately 15 feet of proposed construction activity shall be temporarily fenced with chain link or other material satisfactory to City planning staff throughout grading and construction activities. The fencing shall be installed 3 feet outside of the dripline of each tree (or edge of canopy for cluster of trees), be 4 foot tall, and staked every 6 feet. The fenced area shall be considered the tree protection zone (TPZ) unless proximate construction required temporary removal.

Pre-Construction Meeting: A pre-construction meeting shall be held between all contractors (including grading, tree removal/pruning, builders, etc.) and the arborist. The arborist will instruct the contractors on tree protection practices and answer any questions. All equipment operators and spotters, assistants, or those directing operators from the ground, shall provide written acknowledgement of their receiving tree protection training. This training shall include information on the location and marking of protected trees, the necessity of preventing damage, and the discussion of work practices that will accomplish such.

Protection and Maintenance During Construction

Once construction activities have begun the following measures shall be adhered to:

Equipment Operation and Storage: Avoid heavy equipment operation around the trees. Operating heavy machinery around the root zones of trees will increase soil compaction, which decreases soil aeration and subsequently reduces water penetration in the soil. All heavy equipment and vehicles should, at minimum, stay out of the fenced tree protection zone, unless where specifically approved in writing and under the supervision of a Certified Arborist or as provided by the approved landscape plan.

Storage and Disposal: Do not store or discard any supply or material, including paint, lumber, concrete overflow, etc. within the protection zone. Remove all foreign debris within the protection zone; it is important to leave the duff, mulch, chips, and leaves around the retained trees for water retention and nutrients. Avoid draining or leakage of equipment fluids near retained trees. Fluids such as: gasoline, diesel, oils, hydraulics, brake and transmission fluids, paint, paint thinners, and glycol (anti-freeze) should be disposed of properly. Keep equipment parked at least 50 feet away from retained trees to avoid the possibility of leakage of equipment fluids into the soil. The effect of toxic equipment fluids on the retained trees could lead to decline and death.

Grade Changes: Grade changes, including adding fill, are not permitted within the tree protection zone without special written authorization and under supervision by a Certified Arborist or as provided by the approved landscape plan. Lowering the grade within this area will necessitate cutting main support and feeder roots, jeopardizing the health and structural integrity of the tree(s). Adding soil, even temporarily, on top of the existing grade will compact the soil further, and decrease both water and air availability to the trees' roots.

Moving Construction Materials: Care will be taken when moving equipment or supplies near the trees, especially overhead. Avoid damaging the tree(s) when transporting or moving construction materials and working around the tree (even outside of the fenced tree protection zone). Above ground tree parts that could be damaged (e.g., low limbs, trunks) should be flagged with red ribbon. If contact with the tree crown is unavoidable, prune the conflicting branch(es) using ISA standards.

Root Pruning: Except where specifically approved in writing or as provided in Attachment 3, all trenching shall be outside of the fenced protection zone. Roots primarily extend in a horizontal direction forming a support base to the tree similar to the base of a wineglass. Where trenching is necessary in areas that contain tree roots, prune the roots using a Dosko root pruner or equivalent. All cuts should be clean and sharp, to minimize ripping, tearing, and fracturing of the root system. The trench should be made no deeper than necessary.

Irrigation: Trees that have been substantially root pruned (30% or more of their root zone) will require irrigation for the first twelve months. The first irrigation should be within 48 hours of root pruning. They should be deep watered every two to four weeks during the summer and once a month during the winter (adjust accordingly with rainfall). One irrigation cycle should thoroughly soak the root zones of the trees to a depth of 3 feet. The soil should dry out between watering; avoid keeping a consistently wet soil. Designate one person to be responsible for irrigating (deep watering) the trees. Check soil moisture with a soil probe before irrigating. Irrigation is best accomplished by installing a temporary above ground micro-spray system that will distribute water slowly (to avoid runoff) and evenly throughout the fenced protection zone ***but never soaking the area located within 6- feet of the tree trunk, especially during warmer months***.

Pruning: Do not prune any of the trees until all construction is completed. This will help protect the tree canopies from damage. All pruning shall be completed under the direction of an ISA Certified Arborist and using ISA guidelines. Only dead wood shall be removed from tree canopies.

Washing: During construction in summer and autumn months, wash foliage of trees adjacent to the construction sites with a strong water stream every two weeks in early hours before 10:00 a.m. to control mite and insect populations.

Inspection: An ISA Certified Arborist shall inspect the impacted preserved trees on a monthly basis during construction. A report comparing tree health and condition to the original, pre-construction baseline shall be submitted following each inspection. Photographs of representative trees are to be included in the report on a minimum annual basis.

Maintenance After Construction

Once construction is complete the fencing may be removed and the following measures performed to sustain and enhance the vigor of the preserved trees.

Mulch: Provide a 4-inch mulch layer under the canopy of trees. Mulch should include clean, organic mulch that will provide long-term soil conditioning, soil moisture retention, and soil temperature control.

Pruning: The trees will not require regular pruning. Pruning should *only* be done to maintain clearance and remove broken, dead or diseased branches. Pruning shall only take place following a recommendation by an ISA Certified Arborist and performed under the supervision of an ISA Certified Arborist. No more than 20% of the canopy shall be removed at any one time. All pruning shall conform to International Society of Arboriculture standards.

Watering: The natural trees that are not disturbed should not require regular irrigation, other than the twelve months following substantial root pruning. However, soil probing will be necessary to accurately monitor moisture levels. Especially in years with low winter rainfall, supplemental irrigation for the trees that sustained root pruning and any newly planted trees may be necessary. The trees should be irrigated *only* during the winter and spring months.

Watering Adjacent Plant Material: All plants near the trees shall be compatible with water requirements of said trees. The surrounding plants should be watered infrequently with deep soaks and allowed to dry out in-between, rather than frequent light irrigation. The soil shall not be allowed to become saturated or stay continually wet. Irrigation spray shall not hit the trunk of any tree. A 60-inch dry-zone shall be maintained around all tree trunks. An above ground micro-spray irrigation system is recommended over typical underground pop-up sprays.

Washing: Periodic washing of the foliage is recommended during construction but no more than once every two weeks. Washing should include the upper and lower leaf surfaces and the tree bark. This should continue beyond the construction period at a less frequent rate with a high-powered hose only in the early morning hours. Washing will help control dirt/dust buildup that can lead to mite and insect infestations.

Spraying: If the trees are maintained in a healthy state, regular spraying for insect or disease control should not be necessary. If a problem does develop, an ISA Certified Arborist should be consulted; the trees may require application of insecticides to prevent the intrusion of bark-boring beetles and other invading pests. All chemical spraying should be performed by a licensed applicator under the direction of a licensed pest control advisor.

Inspection: All trees that were impacted during construction within the tree protection zone should be monitored by an ISA Certified Arborist for the first five years after construction completion. The Arborist shall submit an annual report, photograph each tree and compare tree health and condition to the original, pre-construction baseline.

Appendix E
Landscape Plan



RESIDENT ENTRY
- sliding vehicular gate with City of Fontana Police Dept. R.E.A.C.T. system

PARCEL 1 RECREATION AREA
see enlargement | sheet L.2

RESIDENT ENTRY
- sliding vehicular gate with City of Fontana Police Dept. R.E.A.C.T. system

DOG PARK

PARCEL 2 RECREATION AREA
see enlargement | sheet L.3

2' car overhang (front) and 18" step out concrete (sides) at parking - typical

RESIDENT EXIT
- swing vehicular gate with City of Fontana Police Dept. R.E.A.C.T. system

RESIDENT ENTRY
- sliding vehicular gate with City of Fontana Police Dept. R.E.A.C.T. system

MJS LANDSCAPE ARCHITECTURE

JPI

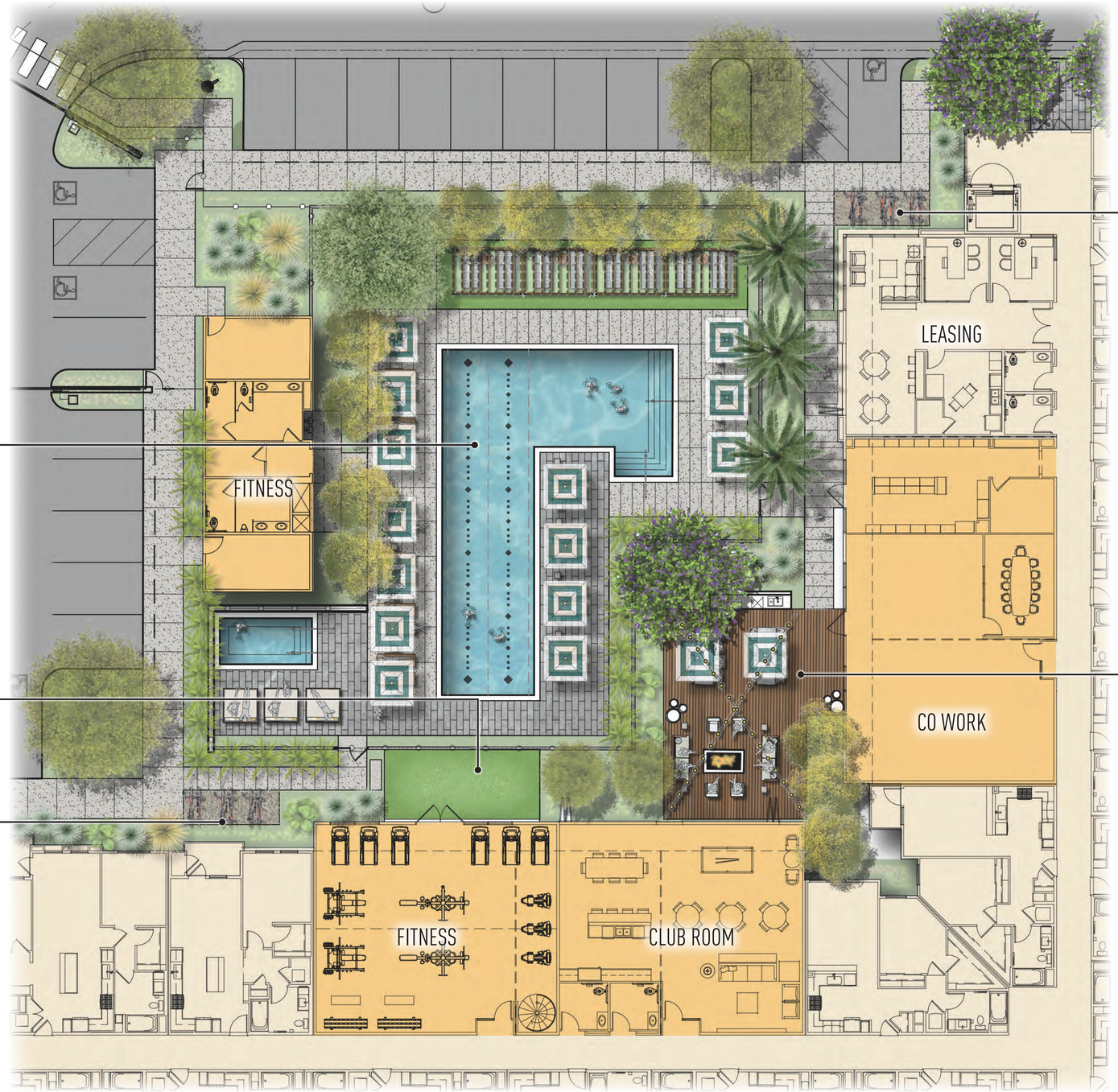
JPI Companies
Contact: Nick Bea
12250 EL CAMINO REAL, SUITE 380
SAN DIEGO, CA 92130
805.748.0107

22018 **JEFFERSON FONTANA**
FONTANA, CA

11-01-2022

0' 20' 40' 80'

L.1
SITE PLAN



POOL DECK
- resort pool (60' lap lanes)
- 12' x18' spa
- cabanas
- turf sunning
- matching height date palms

FITNESS LAWN
- synthetic turf
- shade trees

BIKE RACKS
- (6) short term bike parking spaces

BIKE RACKS
- (6) short term bike parking spaces

LOUNGE
- in + out
- firepit with lounge seating
- outdoor kitchens
- festival lights
- shade trees

MJS LANDSCAPE ARCHITECTURE

JPI

JPI Companies
Contact: Nick Bea
12250 EL CAMINO REAL, SUITE 380
SAN DIEGO, CA 92130
805.748.0107

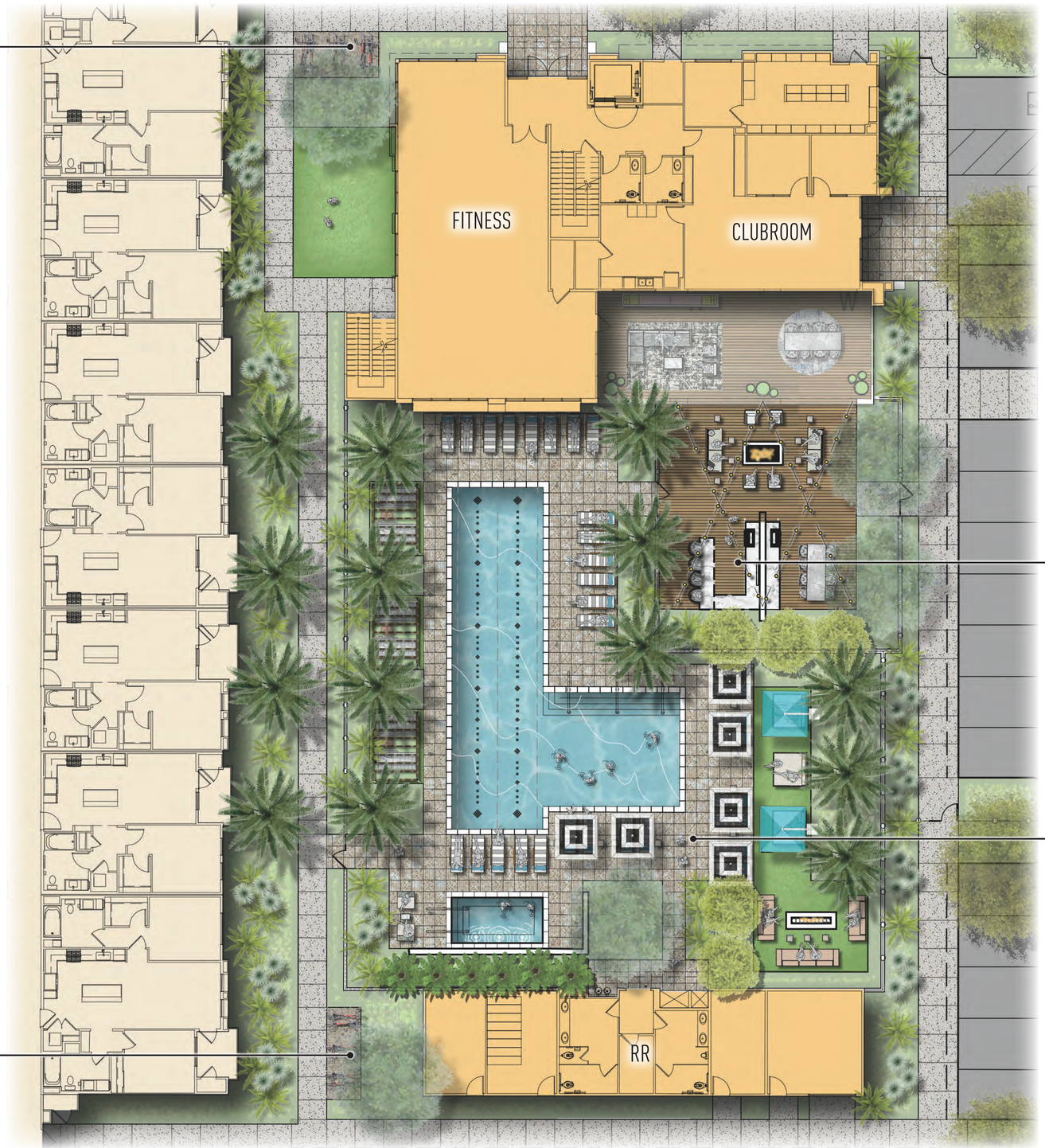
22018 **JEFFERSON FONTANA**
FONTANA, CA

11-01-2022

0' 5' 10' 20'

L.2
PARCEL 1 RECREATION AREA

BIKE RACKS
- (6) short term bike parking spaces



ENTERTAINMENT LOUNGE
- firepit with lounge seating
- outdoor kitchen
- festival lights
- dining tables with umbrellas

POOL DECK
- resort pool (60' lap lanes)
- 10' x14' spa
- cabanas on turf
- lounge seating
- specimen tree

BIKE RACKS
- (6) short term bike parking spaces

MJS LANDSCAPE ARCHITECTURE

JPI

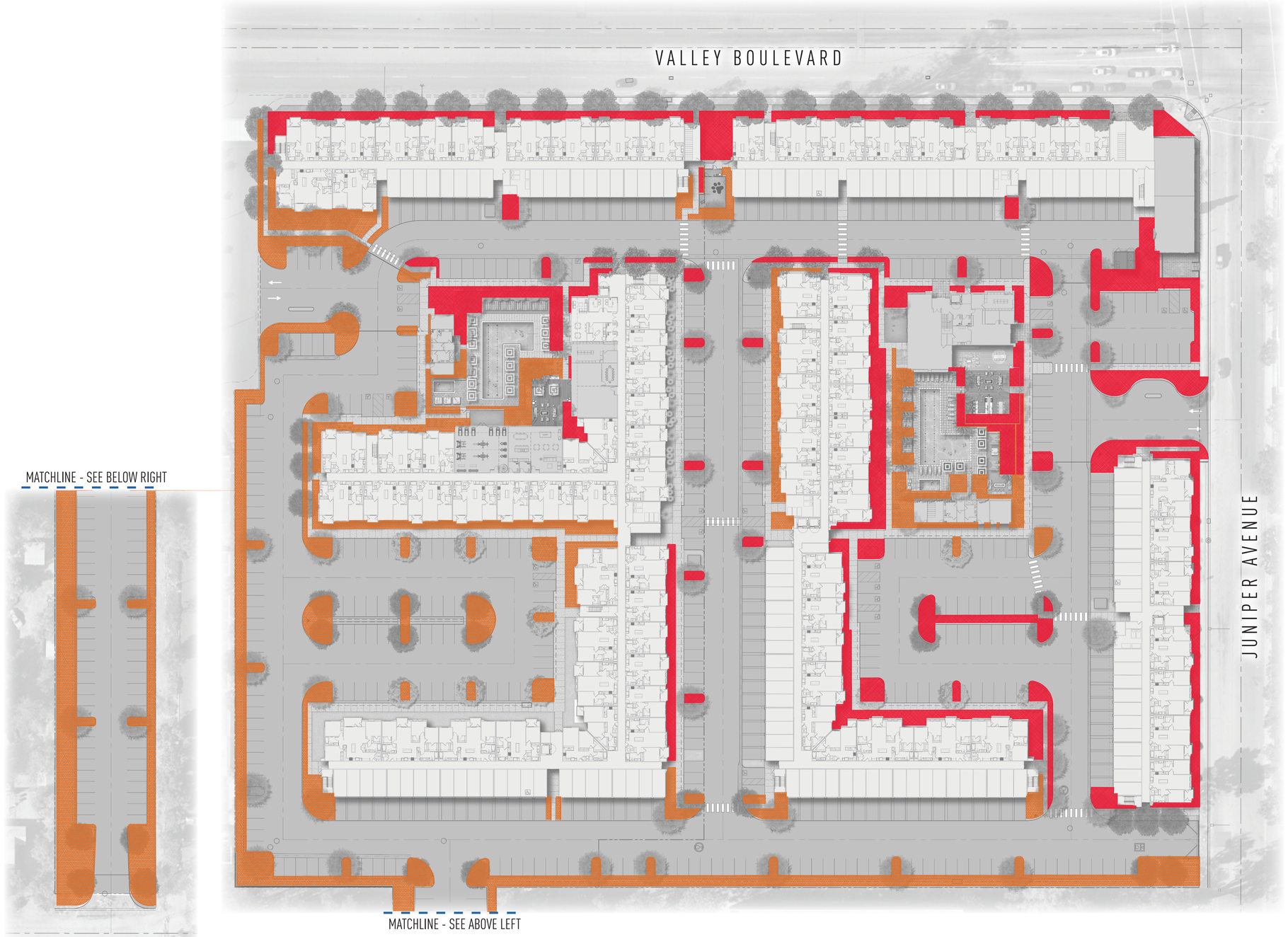
JPI Companies
Contact: Nick Bea
12250 EL CAMINO REAL, SUITE 380
SAN DIEGO, CA 92130
805.748.0107

22018 **JEFFERSON FONTANA**
FONTANA, CA

11-01-2022

0' 5' 10' 20'

L.3
PARCEL 2 RECREATION AREA



WATER CONSERVATION FEATURES

THE FOLLOWING MEASURES WILL BE INCORPORATED INTO THE PROJECT TO CONSERVE WATER:

1. INSTALLATION OF AUTOMATIC 'SMART' IRRIGATION CONTROLLER WITH RAIN-SENSOR.
2. THE USE OF LOW PRECIPITATION/LOW ANGLE IRRIGATION SPRAY HEADS.
3. THE USE OF LOW VOLUME DRIP TUBING INSTALLED BELOW MULCH.
4. THE USE OF LOW WATER CONSUMING PLANTS.
5. SOIL AMENDMENT TO ACHIEVE GOOD SOIL MOISTURE RETENTION.
6. MULCHING TO REDUCE EVAPOTRANSPORATION FROM THE ROOT ZONE.

WATER CONSERVATION STATEMENT

PURPOSE: TO PROVIDE THE MAINTENANCE STAFF A MECHANICAL DEVICE TO DISTRIBUTE WATER AND ENSURE PLANT SURVIVAL IN THE MOST EFFICIENT MANNER AND WITHIN A TIME FRAME THAT LEAST INTERFERES WITH THE ACTIVITIES OF THE COMMUNITY.

THE IRRIGATION SYSTEM FOR EACH HYDROZONE WILL BE AUTOMATIC AND INCORPORATE LOW VOLUME DRIP EMITTERS, BUBBLERS AND HIGH EFFICIENCY LOW ANGLE SPRAY HEADS AT TURF ONLY. DRIP IRRIGATION SYSTEMS MAY BE EMPLOYED WHERE CONSIDERED TO BE EFFECTIVE AND FEASIBLE. IRRIGATION VALVES SHALL BE SEPARATED TO ALLOW FOR THE SYSTEMS OPERATION IN RESPONSE TO ORIENTATION AND EXPOSURE.

PLANTING WILL BE DESIGNED TO ENHANCE THE VISUAL CHARACTER OF THE SITE AND THE ARCHITECTURAL ELEMENTS. PLANTS SHALL BE GROUPED WITH SIMILAR WATER, CLIMATIC AND SOIL REQUIREMENTS TO CONSERVE WATER AND CREATE A DROUGHT RESPONSIVE LANDSCAPE.

EACH HYDROZONE CONSISTS OF MODERATE TO LOW WATER CONSUMING PLANTS. IN AREAS OF MODERATE WATER CONSUMING PLANTS THE SHALL BE PROPERLY AMENDED TO RETAIN MOISTURE FOR HEALTHY GROWTH AND TO CONSERVE WATER.

PLANT MATERIAL WITHIN EACH HYDROZONE SHALL BE SPECIFIED IN CONSIDERATION OF NORTH, SOUTH, EAST AND WEST EXPOSURES.

SOIL SHALL BE PREPARED AND AMENDED TO PROVIDE FOR MAXIMUM MOISTURE RETENTION AND PERCOLATION. PLANTED BEDS SHALL BE MULCHED TO RETAIN SOIL MOISTURE AND REDUCE EVAPOTRANSPORATION.

TO AVOID WASTED WATER, THE CONTROLS WILL BE OVERSEEN BY A FLOW MONITOR THAT WILL DETECT ANY BROKEN SPRINKLER HEADS TO STOP THAT STATION'S OPERATION, ADVANCING TO THE NEXT WORKABLE STATION. IN THE EVENT OF PRESSURE SUPPLY LINE BREAKAGE, IT WILL COMPLETELY STOP THE OPERATION OF THE SYSTEM. ALL MATERIAL WILL BE NONFERROUS, WITH THE EXCEPTION OF THE BRASS PIPING INTO AND OUT OF THE BACKFLOW UNITS. ALL WORK WILL BE IN THE BEST ACCEPTABLE MANNER IN ACCORDANCE WITH APPLICABLE CODES AND STANDARDS PREVAILING IN THE INDUSTRY.

IRRIGATION HYDROZONES:

	HYDRO-ZONE 1 - NORTH/EAST FACING - 28,699 S.F. IRRIGATION TECHNIQUE TREES - BUBBLERS SHRUBS - SUB SURFACE DRIP IRRIGATION
	HYDRO-ZONE 2 - SOUTH/WEST FACING - 44,261 S.F. IRRIGATION TECHNIQUE TREES - BUBBLERS SHRUBS - SUB SURFACE DRIP IRRIGATION

CITY OF FONTANA CALIFORNIA

City of Fontana
Department of Engineering

WATER EFFICIENT LANDSCAPE WORKSHEET

This worksheet is filled out by the project applicant and it is a required element of the Landscape Documentation Package.

Reference Evapotranspiration (ETo) 55.6 (San Bernardino)

Hydrozone # /Planting Description[a]	Plant Factor (PF)	Irrigation Method[b]	Irrigation Efficiency (IE)[c]	ETAF (PF/IE)	Landscape Area (sq, ft,)	ETAF x Area	Estimated Total Water Use (ETWU)[d]
Regular Landscape Areas							
HZ 1 - N&E	0.4	DRIP	0.81	0.49	28,699	14,172	488,549
HZ 2 - S&W	0.4	DRIP	0.81	0.49	44,261	21,857	753,464
				Totals	72,960	36,030	
Special Landscape Areas							
				1			
				1			
				1			
				Totals	(C)	(D)	
						ETWU Total	1,242,013
						Maximum Allowed Water Allowance (MAWA)[e]	1,383,292

[a]Hydrozone #/Planting Description
E.g
1.) front lawn
2.) low water use plantings
3.) medium water use planting

[b]Irrigation Method
overhead spray or drip

[c]Irrigation Efficiency
0.75 for spray head
0.81 for drip

***[d]ETWU* (Annual Gallons Required) =**
Eto x 0.62 x ETAF x Area
where 0.62 is a conversion factor that converts acre-inches per acre per year to gallons per square foot per year.

[e]MAWA (Annual Gallons Allowed) = *(Eto) (.62) [(ETAF x LA) + ((1-ETAF) x SLA)]*
where 0.62 is a conversion factor that converts acre-inches per acre per year to gallons per square foot per year, LA is the total landscape area in square feet, SLA is the total special landscape area in square feet, and ETAF is .55 for residential areas and 0.45 for non-residential areas.

ETAF Calculations

Regular Landscape Areas

Total ETAF x Area (B)	36,030
Total Area (A)	72,960
Average ETAF B ÷ A	0.49

Average ETAF for Regular Landscape Areas must be 0.55 or below for residential areas, and 0.45 or below for non-residential areas.

All Landscape Areas

Total ETAF x Area (B+D)	36,030
Total Area (A+C)	72,960
Sitewide ETAF (B+D) ÷ (A+C)	0.49

Signed: *Daniel Delle RLA 6642* Date: 10.31.22

MJS LANDSCAPE ARCHITECTURE

JPI

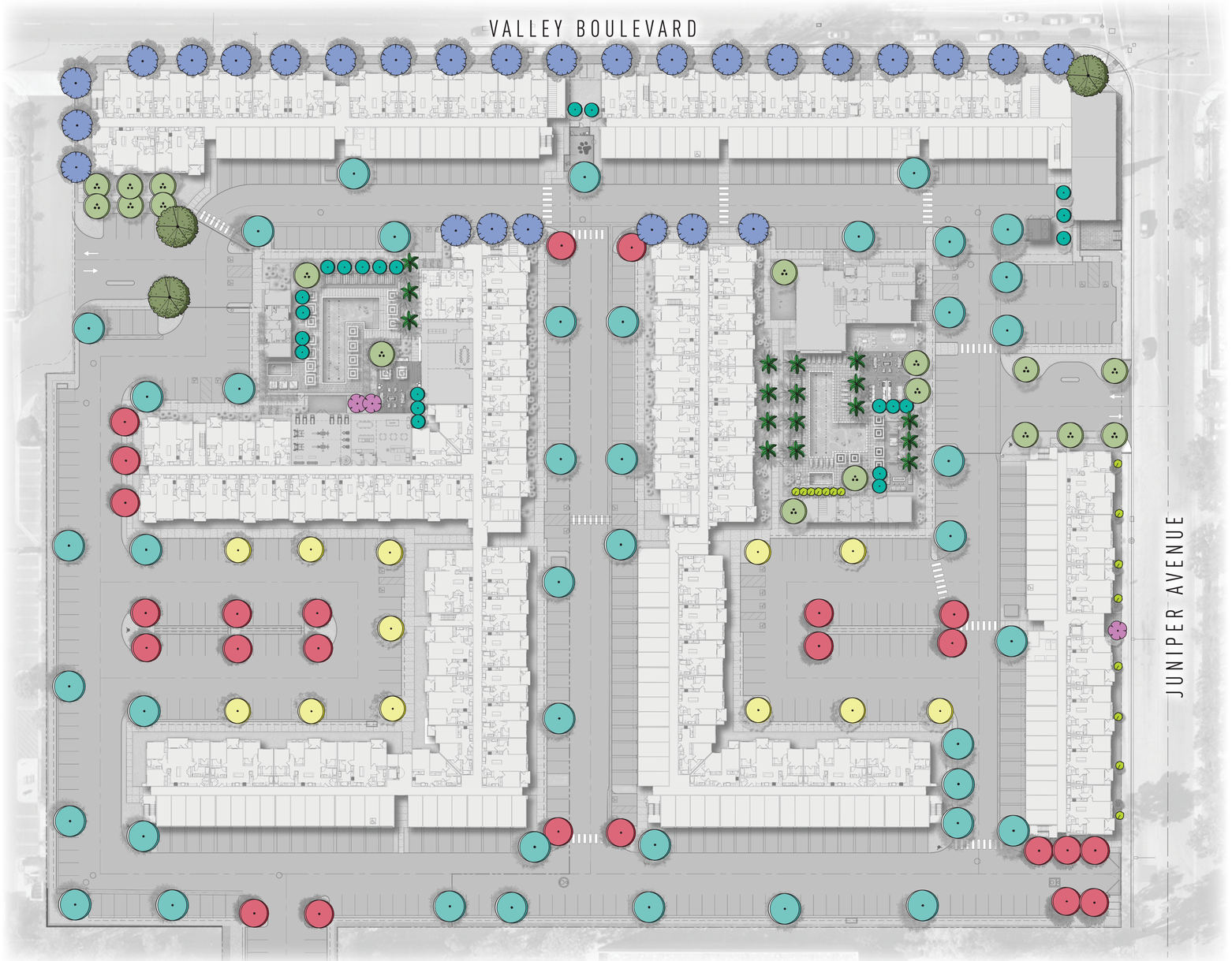
JPI Companies
Contact: Nick Bea
12250 EL CAMINO REAL, SUITE 380
SAN DIEGO, CA 92130
805.748.0107

22018 **JEFFERSON FONTANA**
FONTANA, CA

11-01-2022

0' 20' 40' 80'

L.4
HYDROZONE



TREE AND PALM LEGEND

TREES	BOTANICAL / COMMON NAME	SIZE	WUCOLS	QTY
	ARBUTUS X `MARINA` HYBRID STRAWBERRY TREE - STANDARD	36"BOX	MODERATE	3
	FRAXINUS ANGUSTIFOLIA OXYCARPA 'RAYWOOD' RAYWOOD ASH	24"BOX	MODERATE	28
	LAURUS NOBILIS 'COLUMN" BAY LAUREL	24"BOX	LOW	15
	LAURUS X `SARATOGA` SARATOGA HYBRID LAUREL	36"BOX	LOW	22
	OLEA EUROPAEA `WILSONI' FRUITLESS OLIVE	48"BOX	LOW	18
	PHOENIX DACTYLIFERA `MEDJOOL` MEDJOOL DATE PALM	18` B.T.H.	LOW	17
	PYRUS KAWAKAMII EVERGREEN PEAR	24"BOX	MODERATE	12
	QUERCUS AGRIFOLIA COAST LIVE OAK	48"BOX	LOW	3
	QUERCUS LOBATA VALLEY OAK	36"BOX	MODERATE	27
	ULMUS PARVIFOLIA `DRAKE` DRAKE LACEBARK ELM	36"BOX	LOW	47

MJS LANDSCAPE ARCHITECTURE

JPI

JPI Companies
Contact: Nick Bea
12250 EL CAMINO REAL, SUITE 380
SAN DIEGO, CA 92130
805.748.0107

22018 JEFFERSON FONTANA
FONTANA, CA

11-01-2022

0' 20' 40' 80'

L.5
TREE PLAN

PRELIMINARY SHRUB LEGEND

BOTANICAL NAME	COMMON NAME	SIZE	WUCOLS
SHRUBS			
ARBUTUS UNEDO 'ELFIN KING'	STRAWBERRY SHRUB	5 GAL.	MOD.
BOUGAINVILLEA 'ROSENKA'	BOUGAINVILLEA	5 GAL.	LOW
BOUTELOUA G. 'BLONDE AMBITION'	BLUE GRAMA	1 GAL.	LOW
BUXUS M. 'GREEN BEAUTY'	BOXWOOD	1 GAL.	MOD.
CALLISTEMON 'LITTLE JOHN'	DWARF BOTTLE BRUSH	1 GAL.	LOW
COTONEASTER D. 'LOWFAST'	BEARBERRY COTONEASTER	1 GAL.	LOW
ESCALLONIA 'FRADESII'	ESCALLONIA	5 GAL.	LOW
FEIJOA SELLOWIANA	PINEAPPLE GUAVA	5 GAL.	MOD.
FESTUCA MAIREI	ATLAS FECUE	1 GAL.	LOW
HEMEROCALLIS HYBRID	EVERGREEN DAYLILY	1 GAL.	MOD.
LANTANA MONT. 'WHITE'	TRAILING LANTANA	1 GAL.	MOD.
LAVANDULA HETEROPHYLLA	SWEET LAVENDER	1 GAL.	MOD.
LIGUSTRUM J. 'TEXANUM'	WAX LEAF PRIVET	5 GAL.	MOD.
MUHLENBERGIA 'REGAL MIST'	REGAL MIST DEER GRASS	1 GAL.	LOW
PHOTINIA FRASERI	RED-TIPPED PHOTINIA	5 GAL.	MOD.
PITTOSPORUM TOBIRA	MOCK ORANGE	5 GAL.	MOD.
PODOCARPUS M. 'MAKI'	SHRUBBY YEW PINE	5 GAL.	MOD.
RHAPHIOLEPIS SPECIES	INDIA HAWTHORN	5 GAL.	MOD.
ROSE 'CARPET RED'	CARPET ROSE	2 GAL.	MOD.
ROSEMARINUS PROSTRATUS	DWARF ROSEMARY	1 GAL.	LOW
SESLERIA AUTUMNALIS	AUTUMN MOOR GRASS	1 GAL.	LOW
WESTRINGIA F. 'SMOKEY'	SMOKEY WESTRINGIA	5 GAL.	LOW
VINES (attach to perimeter walls and fence)			
SUN: DISTICTUS BUCCINATORIA	BLOOD RED TRUMPET	5 GAL.	MOD.
SHADE: CLYTOSTOMA CALLISTEGIOIDES	PURPLE TRUMPET VINE	5 GAL.	MOD.
BIO-RETENTION BASIN SHRUBS & GRASSES			
CAREX SPECIES	SEDGE at 18" o.c.	1 GAL	LOW
HEMEROCALLIS HYBRIDS	DAY LILLY at 18 o.c.	1 GAL	MOD.
MUHLENBERGIA RIGENS	DEER GRASS at 24" o.c.	1 GAL	LOW

SHREDDED BARK MULCH:	
MINIMUM 3" THICK SHREDDED WOOD MULCH. DARK BROWN COLOR IN ALL SHRUB AREAS	CONTRACTOR TO SUBMIT SAMPLE TO L.A. FOR APPROVAL

TREE AND PALM LEGEND

TREES	BOTANICAL / COMMON NAME	SIZE	WUCOLS	QTY
	ARBUTUS X `MARINA` HYBRID STRAWBERRY TREE - STANDARD	36"BOX	MODERATE	3
	FRAXINUS ANGUSTIFOLIA OXYCARPA 'RAYWOOD' RAYWOOD ASH	24"BOX	MODERATE	28
	LAURUS NOBILIS 'COLUMN" BAY LAUREL	24"BOX	LOW	15
	LAURUS X `SARATOGA` SARATOGA HYBRID LAUREL	36"BOX	LOW	22
	OLEA EUROPAEA `WILSONI' FRUITLESS OLIVE	48"BOX	LOW	18
	PHOENIX DACTYLIFERA `MEDJOOL` MEDJOOL DATE PALM	18` B.T.H.	LOW	17
	PYRUS KAWAKAMII EVERGREEN PEAR	24"BOX	MODERATE	12
	QUERCUS AGRIFOLIA COAST LIVE OAK	48"BOX	LOW	3
	QUERCUS LOBATA VALLEY OAK	36"BOX	MODERATE	27
	ULMUS PARVIFOLIA `DRAKE` DRAKE LACEBARK ELM	36"BOX	LOW	47

WUCOLS NOTE:

WUCOLS, WATER USE CLASSIFICATION OF LANDSCAPE SPECIES, IS A UNIVERSITY OF CALIFORNIA COOPERATIVE EXTENSION PUBLICATION AND IS A GUIDE TO THE WATER NEEDS OF LANDSCAPE PLANTS.

PLANT PALETTE NOTE:

THIS PRELIMINARY PLANT PALETTE IS INTENDED TO REPRESENT A TYPICAL SAMPLE OF THE PROPOSED PLANTS BUT DOES NOT INDICATE THE EXACT SPECIES WHICH WILL BE DEVELOPED ON THE DETAILED PLANS.

LANDSCAPE COVERAGE:

TOTAL SITE AREA:	489,399 S.F.
TOTAL LANDSCAPE AREA:	72,960 S.F.
PERCENTAGE OF SITE LANDSCAPE:	15 %

MJS LANDSCAPE ARCHITECTURE

JPI

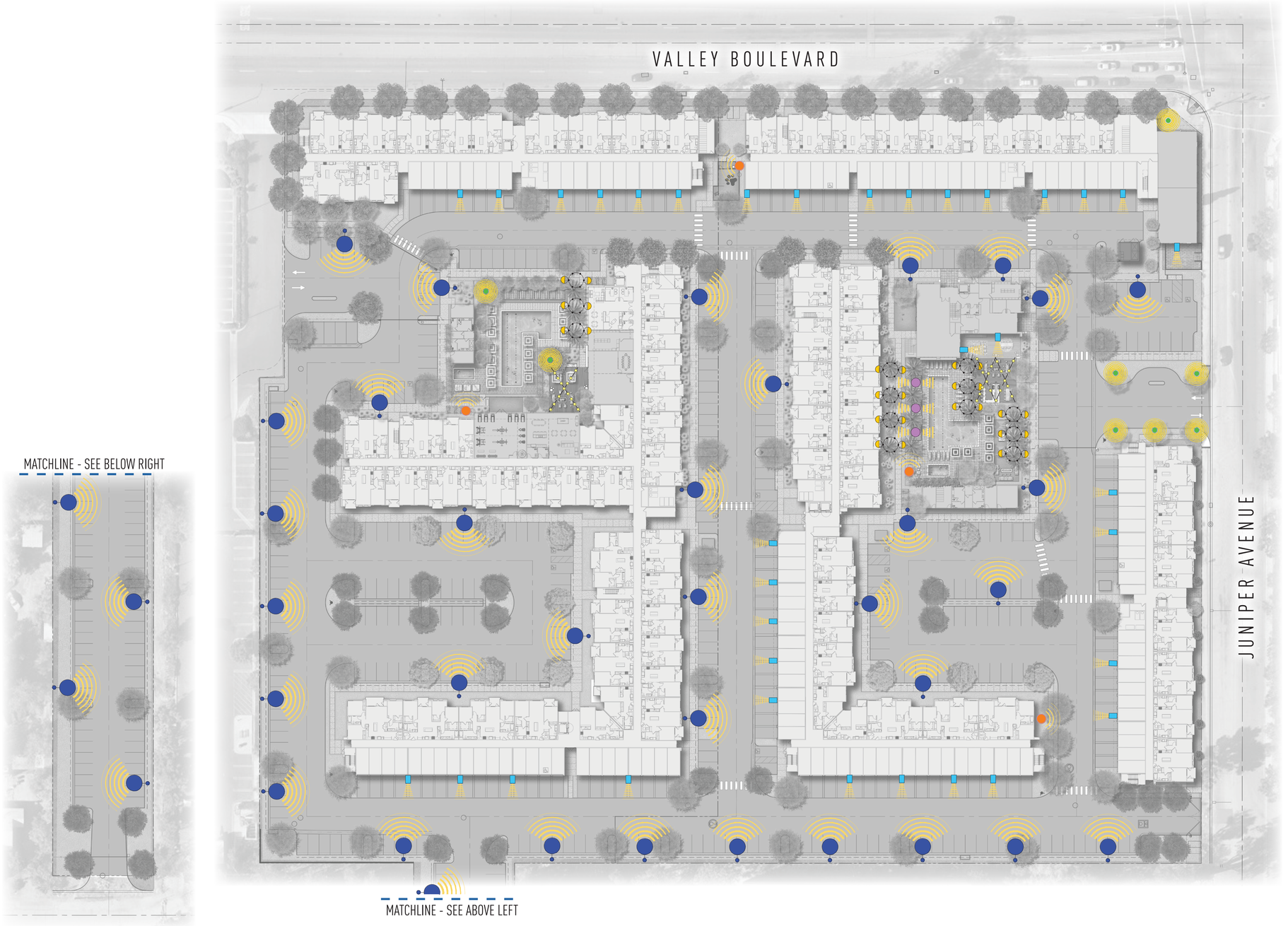
JPI Companies
Contact: Nick Bea
12250 EL CAMINO REAL, SUITE 380
SAN DIEGO, CA 92130
805.748.0107

22018 JEFFERSON FONTANA
FONTANA, CA

11-01-2022

0' 20' 40' 80'

L.6
PLANT PALETTE + NOTES



EXTERIOR LIGHTING LEGEND

SYMBOL	TYPE/TECHNIQUE:	LOCATION:
	STREET LIGHT	AT DRIVE AND PARKING LOT
	THEME POLE LIGHT	SITEWIDE
	OVERHEAD FESTIVAL LIGHTING	ATTACHED TO POLES. MINIMUM 12' ABOVE FINISH SURFACE
	PALM MOUNTED UPLIGHT	PALM TREES
	PENDENT LIGHT	MOUNTED ON OVERHEAD TRELLIS
	WALL MOUNTED	ON BUILDING
	STAKE MOUNTED LIGHT (2 PER TREE)	SPECIMEN TREES

* FOR REFERENCE ONLY *

LIGHTING CONCEPT:

THE OUTDOOR LIGHTING CONCEPT IS TO PROVIDE LEVELS OF LIGHTING SUFFICIENT TO MEET SAFETY AND ORIENTATION NEEDS.

WITHIN PUBLIC AREAS LIGHTING WILL BE WARM COLORED AND UNOBTRUSIVE. LIGHT SOURCES WILL BE TUNGSTEN OR METAL HALIDE.

LIGHTING SOURCES FOR THE LANDSCAPE AND PAVED AREAS WILL BE CONCEALED AND THE LIGHTING INDIRECT NOT VISIBLE FROM A PUBLIC VIEWPOINT. LIGHT SOURCES SHOULD BE DIRECTED SO THAT IT DOES NOT FALL OUTSIDE THE AREA TO BE LIGHTED.

ALL EXTERIOR SURFACE AND ABOVE-GROUND MOUNTED FIXTURES WILL BE SYMPATHETIC AND COMPLIMENTARY TO THE ARCHITECTURAL THEME.

POLICE DEPARTMENT SECURITY LIGHTING NOTE:

ADHERE TO THE CITY STANDARD OF ONE FOOT CANDLE MINIMUM FOR ALL ENTRANCES, EXITS, PEDESTRIAN PATHS, PARKING LOTS, AND ACTIVITY AREAS. REFLECT ALL LIGHT FIXTURES ON THE SITE PLAN. ALL AREAS SHALL BE ILLUMINATED DURING ALL HOURS OF DARKNESS AND ALL LUMINARIES UTILIZED SHALL BE VANDAL-RESISTANT FIXTURES. THE TYPE OF LIGHTING SHALL BE FLUORESCENT, WHITE L.E.D.S OR METAL HALIDE. PROVIDE A PHOTOMETRIC PLAN UNDER SEPARATE EXHIBIT TO ENSURE THE MINIMUM (NOT AVERAGE) LIGHT STANDARD IS MET.

SITE PHOTOMETRICS:

PHOTOMETRIC PLAN WILL BE PROVIDED AS A CONDITION FOR APPROVAL DURING THE BUILDING PERMIT PROCESS. PHOTOMETRIC PLAN TO BE PREPARED BY A PROFESSIONAL ELECTRICAL ENGINEER. PHOTOMETRIC PLAN WILL ADHERE TO THE CITY LIGHT STANDARD OF ONE FOOT CANDLE MINIMUM OF LIGHT FOR ALL ENTRANCES, EXITS, PEDESTRIAN WALKWAYS, PARKING LOTS AND ACTIVITY AREAS. ALL LIGHT FIXTURES WILL BE REFLECTED ON SITE PLAN.

MJS LANDSCAPE ARCHITECTURE

JPI

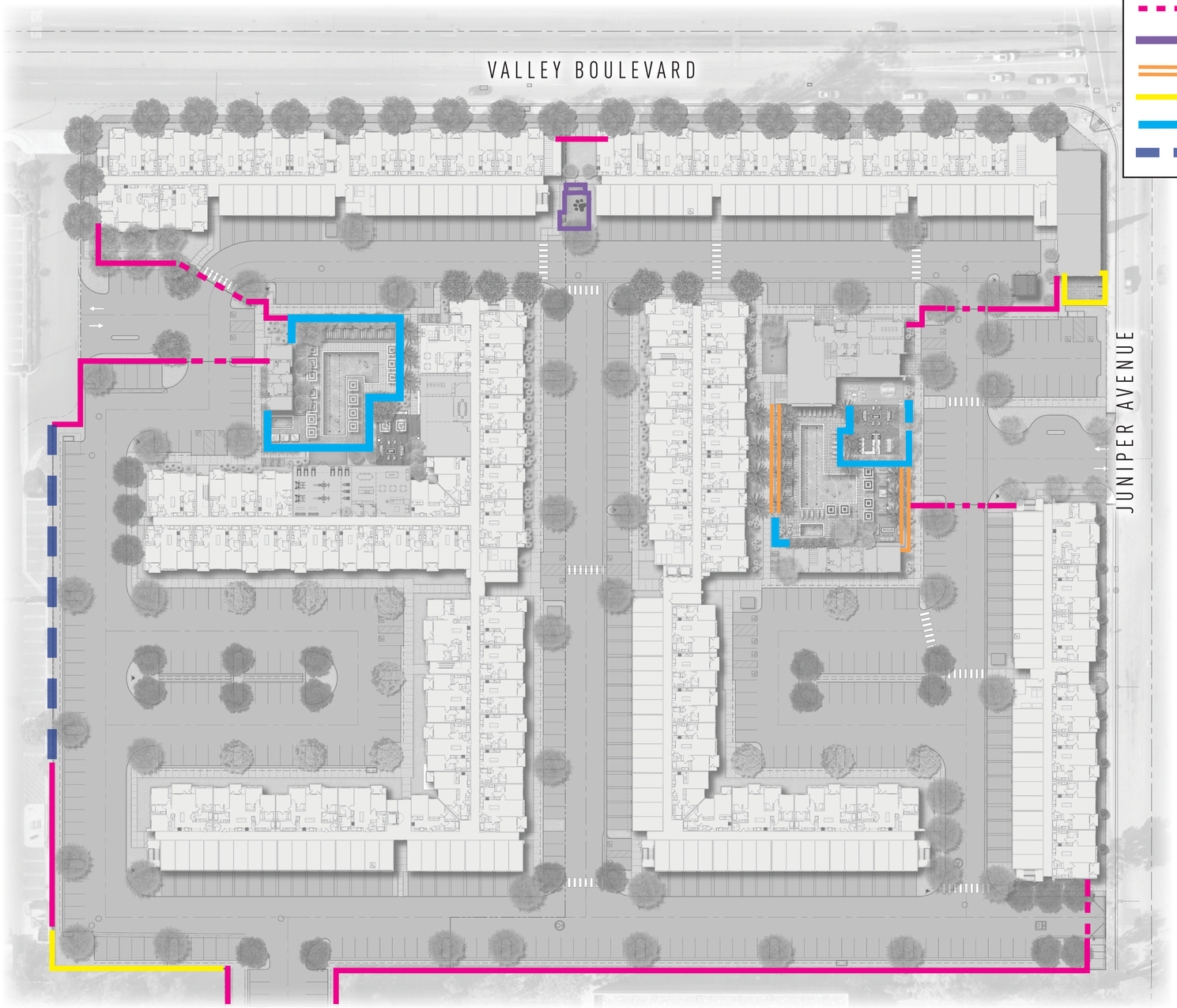
JPI Companies
Contact: Nick Bea
12250 EL CAMINO REAL, SUITE 380
SAN DIEGO, CA 92130
805.748.0107

22018 **JEFFERSON FONTANA**
FONTANA, CA

11-01-2022

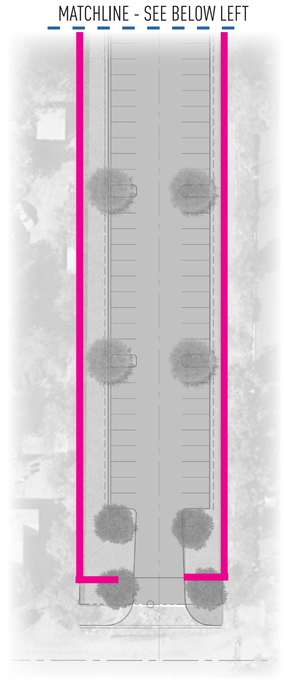
0' 20' 40' 80'

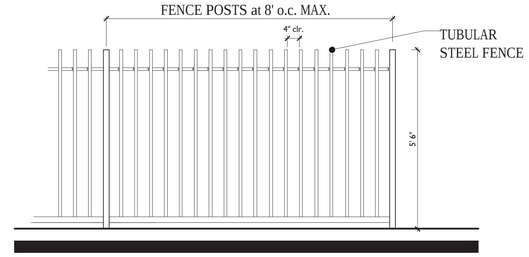
L.7
LIGHTING PLAN



LEGEND

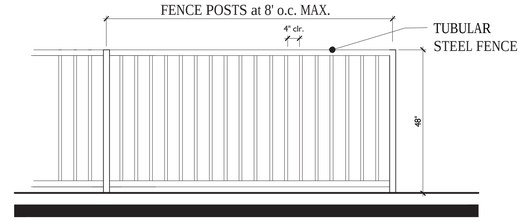
- 5' 6" TUBULAR STEEL PERIMETER FENCE
- 5' 6" TUBULAR STEEL VEH. GATE
- 48" DOG PARK FENCE
- 5' 6" TUBULAR STEEL POOL FENCE
- RETAINING WALL PER CIVIL
- GLASS POOL FENCE
- EXISTING WALL





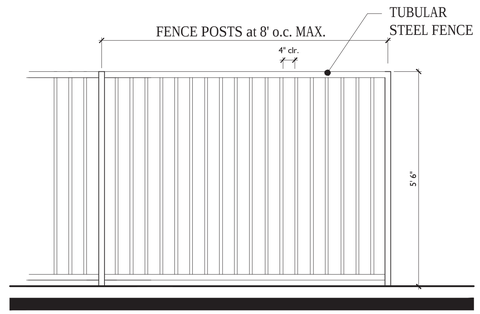
A 5' 6" H. TUBULAR STEEL PERIMETER FENCE

SCALE: $\frac{1}{2}$" = 1'-0"



B 48" H. DOG PARK FENCE ELEVATION

SCALE: $\frac{1}{2}$" = 1'-0"



C 5' 6" H. POOL ENCLOSURE ELEVATION

SCALE: $\frac{1}{2}$" = 1'-0"



D 5' 6" H. GLASS POOL ENCLOSURE ELEVATION

SCALE: $\frac{1}{2}$" = 1'-0"

MJS LANDSCAPE ARCHITECTURE

JPI

JPI Companies
Contact: Nick Bea
12250 EL CAMINO REAL, SUITE 380
SAN DIEGO, CA 92130
805.748.0107

22018 **JEFFERSON FONTANA**
FONTANA, CA

11-01-2022

0' 20' 40' 80'

L.8
WALL + FENCE PLAN

Appendix D
Archaeological Report

DUDEK
38 NORTH MARENGO AVENUE
PASADENA, CALIFORNIA 91101
T 626.204.9800 F 626.204.9834

November 18, 2022 14386.05

Jared Sammet
Development Associate
11988 El Camino Real, Suite 200
San Diego , California 90094

Subject: Draft Archaeological Resources Assessment for the Jefferson Fontana Apartment Project, City of Fontana, San Bernardino County, California

Dear Mr. Jared Sammet:

This letter documents the archaeological resources assessment conducted by Dudek for the Jefferson Fontana Apartment Project (Project or proposed Project), located within the City of Fontana, San Bernardino County, California. The present study documents the results of a California Historical Resources Information System (CHRIS) records search conducted at the South Central Coastal Information Center (SCCIC), an archaeological pedestrian survey, an analysis regarding the potential for archaeological resources to be present, as well as management recommendations. The City of Fontana (City) is the lead agency responsible for compliance with California Environmental Quality Act (CEQA).

Project Location

The proposed Project site is located within the central portion of the City of Fontana, in southwestern San Bernardino County, California and is located within public land survey system (PLSS) Section 19 of Township 1 South, Range 5 West on the *Fontana*, California 7.5-minute USGS Quadrangle (Appendix A: Figure 1). Specifically, the irregularly-shaped approximately 11.6-acre proposed Project site is composed of thirteen (13) parcels (Assessor Parcel Numbers [APNs] 0251-171-19, 0251-321-17, 0251-321-18, 0251-321-19, 0251-321-20, 0251-321-21, 0251-321-22, 0251-321-23, 0251-321-24, 0251-321-25, 0251-321-26, 0251-321-27, and 0251-321-35) and includes addresses 16605, 16617, 16627, 16637, and 16655 Valley Boulevard and 10120, 10172, 10182, and 10196 Juniper Avenue. The proposed Project site is generally bound by Cypress Avenue to the west, Valley Boulevard to the north, Washington Drive and Interstate 10 (I-10) to the south, and Juniper Avenue to the east (Appendix A: Figure 2).

Project Description

The proposed Project involves the construction of a 437-unit multifamily development, 4,000 square feet of retail space, 14,150 square feet of leasing and amenity space, and associated improvements. The proposed Project would consist of eight, 4-story residential buildings that contain one-, two-, and three-bedroom units. The proposed Project would provide 126 one-bedroom units, 271 two-bedroom units, and 40 three-bedroom units. The proposed Project is divided down the center, providing an eastern and western portion of the site. Each portion of the site

DRAFT

would have a main entry access point, provided with sliding vehicle entrance gates. The Project's proposed 2,000 square feet of retail space would be in the northeastern corner of the site. Additionally, the proposed Project would include associated recreation and leasing buildings, pool areas, fire pits, lounge areas, a dog park, and other miscellaneous amenities divided between the eastern and western portions of the site. The areas not developed with the residential buildings, parking lots, and retail space would be landscaped, resulting in a total of 63,695 square feet of landscaped area on the proposed Project site.

Site Access and Parking

The proposed Project site would be accessible via three entries. The primary access to the eastern portion of the site would be a driveway located along Juniper Avenue, with two sliding vehicle gates providing access to residential parking stalls. The primary access to the western portion of the site would be a driveway off of the western proposed Project boundary, through an existing parking lot located off of Valley Boulevard. The western access would also have two sliding vehicle gates providing access to residential parking stalls. The proposed Project site would also have a third access point at the south of the site along Washington Drive.

Overall, parking would consist of 648 dedicated residential stalls and 15 dedicated retail stalls, for a total of 663 parking stalls. Residential parking would consist of 404 open standard stalls, 122 open tandem stalls, and 122 garage stalls.

On-Site and Off-Site Adjacent Improvements

The proposed Project would also include improvements to Valley Boulevard and Juniper Avenue along the Project's street frontages, including a landscape setback, a new sidewalk, and half-width frontage improvements within the roadway right-of-way. Consistent with City standards, all existing overhead utility service lines adjoining and interior to the proposed Project site would be undergrounded, and new City streetlights would be installed within the dedicated right-of-way. A variety of trees, shrubs, plants, and land covers would be planted in the landscape areas throughout the proposed Project site.

Utility and Infrastructure Improvements

The proposed Project site has access to existing domestic water, sanitary sewer, stormwater, and dry utility infrastructure facilities located adjacent to the site.

Current Project design indicates that the maximum depths of ground disturbance across the proposed Project is 5 feet below the existing ground surface and up to 6 feet below existing ground surface for underground utilities.

Environmental Setting

The proposed Project site is within California's Transverse Ranges geomorphic province, which is defined by an east-west trending series of steep mountain ranges and valleys (California Geological Survey 2002). The transverse ranges include the Santa Ana Mountains to the southwest, the San Jacinto Mountains to the southeast, and the San Gabriel and San Bernardino Mountains to the north. The proposed Project site is approximately 7 miles south of the San Bernardino, approximately 10.8 miles southwest of the San Gabriel Mountains, approximately 18.7 miles northeast of the Santa Ana Mountains. The Jurupa Hills are located approximately 1.5 miles south of the proposed

DRAFT

Project site. The proposed Project site is underlain by Quaternary alluvial fan deposits originating from the Lytle Creek fan. More specifically, the proposed Project site is situated on an alluvial plain flowing southward from the confluence of Lytle Creek Wash and the Cajon Wash. In addition, the proposed Project site is over 5 miles northwest of the Santa Ana River channel, over 14 miles north of Lake Matthews and approximately 20 miles northwest of Lake Perris. The natural vegetation within the Project vicinity prior to European colonization would have consisted of various native plants like sand verbena, yarrow, and deerweed, as well as manzanita, and other perennial grasses and herbs (Calflora, 2022).

According to the U.S. Department of Agriculture (USDA) Natural Resources Conservation Service (NRCS) Web Soil Survey (USDA 2022a), soils within the proposed Project site consists of Tujunga loamy sand with 0 to 5 percent slopes. This soils series is described below according the official soil description (USDA 2022b):

Tujunga Series: Characterized as very deep, somewhat excessively drained soils that formed in alluvium from granitic sources. This soils series is found on alluvial fans and floodplains, including urban areas and consists of slopes ranging from 0 to 12 percent. A typical Tujunga series pedon extends approximately 6.5 feet below ground surface (bgs).

Presently, the proposed Project is vacant and is generally undeveloped with no existing buildings or structures; however, at the southeast quadrant of the proposed Project site, within APNs 025-132-125 and 025-132-126, is a roughly 4,000 square foot concrete pad that is currently used for vehicular parking. The proposed Project site is relatively flat with elevation ranging from 1,100 to 1,120 feet above mean sea level (AMSL). Surrounding land uses include residential, commercial, and light industrial uses to the north, west, and east of the proposed Project site.

Regulatory Context

Work for this Project was conducted in compliance with the California Environmental Quality Act (CEQA). The regulatory framework as it pertains to cultural resources under CEQA is detailed below.

Under the provisions of CEQA, including the CEQA Statutes (PRC Sections 21083.2 and 21084.1), the CEQA Guidelines (14 CCR 15064.5), and California Public Resources Code (PRC) Section 5024.1 (14 CCR 4850 et seq.), properties expected to be directly or indirectly affected by a proposed project must be evaluated for California Register of Historical Resources (CRHR) eligibility (PRC Section 5024.1).

The purpose of the CRHR is to maintain listings of the state's historical resources and to indicate which properties are to be protected, to the extent prudent and feasible, from material impairment and substantial adverse change. The term historical resources include a resource listed in or determined to be eligible for listing in the CRHR; a resource included in a local register of historical resources; and any object, building, structure, site, area, place, record, or manuscript that a lead agency determines to be historically significant (14 CCR 15064.5[a]). The criteria for listing properties in the CRHR were developed in accordance with previously established criteria developed for listing in the National Register of Historic Places. The California Office of Historic Preservation regards "any physical evidence of human activities over 45 years old" as meriting recordation and evaluation (OHP 1995:2).

State

The California Register of Historical Resources

A cultural resource is considered "historically significant" under CEQA if the resource meets one or more of the criteria for listing on the CRHR. The CRHR was designed to be used by state and local agencies, private groups, and citizens to identify existing cultural resources within the state and to indicate which of those resources should be protected, to the extent prudent and feasible, from substantial adverse change. The following criteria have been established for the CRHR. A resource is considered significant if it:

1. is associated with events that have made a significant contribution to the broad patterns of California's history and cultural heritage;
2. is associated with the lives of persons important in our past;
3. embodies the distinctive characteristics of a type, period, region, or method of construction, or represents the work of an important creative individual, or possesses high artistic values; or
4. has yielded, or may be likely to yield, information important in prehistory or history.

In addition to meeting one or more of the above criteria, historical resources eligible for listing in the CRHR must retain enough of their historic character or appearance to be able to convey the reasons for their significance. Such integrity is evaluated in regard to the retention of location, design, setting, materials, workmanship, feeling, and association.

Under CEQA, if an archeological site is not a historical resource but meets the definition of a "unique archeological resource" as defined in PRC Section 21083.2, then it should be treated in accordance with the provisions of that section. A unique archaeological resource is defined as follows:

- An archaeological artifact, object, or site about which it can be clearly demonstrated that, without merely adding to the current body of knowledge, there is a high probability that it meets any of the following criteria:
    - Contains information needed to answer important scientific research questions and that there is a demonstrable public interest in that information
    - Has a special and particular quality, such as being the oldest of its type or the best available example of its type
    - Is directly associated with a scientifically recognized important prehistoric or historic event or person

Resources that neither meet any of these criteria for listing in the CRHR nor qualify as a "unique archaeological resource" under CEQA (PRC Section 21083.2) are viewed as not significant. Under CEQA, "A non-unique archaeological resource need be given no further consideration, other than the simple recording of its existence by the lead agency if it so elects" (PRC Section 21083.2[h]).

Impacts that adversely alter the significance of a resource listed in or eligible for listing in the CRHR are considered a significant effect on the environment. Impacts to historical resources from a proposed project are thus considered significant if the project (1) physically destroys or damages all or part of a resource; (2) changes the character of the use of the resource or physical feature within the setting of the resource, which contributes to its significance; or (3) introduces visual, atmospheric, or audible elements that diminish the integrity of significant features of the resource.

DRAFT

California Environmental Quality Act

As described further, the following CEQA statutes (PRC Section 21000 et seq.) and CEQA Guidelines (14 CCR 15000 et seq.) are of relevance to the analysis of archaeological, historic, and tribal cultural resources:

- PRC Section 21083.2(g) defines "unique archaeological resource."
- PRC Section 21084.1 and CEQA Guidelines Section 15064.5(a) defines "historical resources." In addition, CEQA Guidelines Section 15064.5(b) defines the phrase "substantial adverse change in the significance of an historical resource;" it also defines the circumstances when a project would materially impair the significance of a historical resource.
- PRC Section 21074(a) defines "tribal cultural resources."
- PRC Section 5097.98 and CEQA Guidelines Section 15064.5(e) set forth standards and steps to be employed following the accidental discovery of human remains in any location other than a dedicated ceremony.
- PRC Sections 21083.2(b) and 21083.2(c) and CEQA Guidelines Section 15126.4 provide information regarding the mitigation framework for archaeological and historic resources, including examples of preservation-in-place mitigation measures. Preservation in place is the preferred manner of mitigating impacts to significant archaeological sites because it maintains the relationship between artifacts and the archaeological context and may also help avoid conflict with religious or cultural values of groups associated with the archaeological site(s).

More specifically, under CEQA, a project may have a significant effect on the environment if it may cause "a substantial adverse change in the significance of an historical resource" (PRC Section 21084.1; CEQA Guidelines Section 15064.5(b)). If a site is listed or eligible for listing in the CRHR, or included in a local register of historic resources, or identified as significant in a historical resources survey (meeting the requirements of PRC Section 5024.1(q)), it is an "historical resource" and is presumed to be historically or culturally significant for purposes of CEQA (PRC Section 21084.1; CEQA Guidelines Section 15064.5(a)). The lead agency is not precluded from determining that a resource is a historical resource even if it does not fall within this presumption (PRC Section 21084.1; CEQA Guidelines Section 15064.5(a)).

A "substantial adverse change in the significance of an historical resource" reflecting a significant effect under CEQA means "physical demolition, destruction, relocation, or alteration of the resource or its immediate surroundings such that the significance of an historical resource would be materially impaired" (CEQA Guidelines Section 15064.5(b)(1); PRC Section 5020.1(q)). In turn, the significance of a historical resource is materially impaired when a project does any of the following:

(1) Demolishes or materially alters in an adverse manner those physical characteristics of an historical resource that convey its historical significance and that justify its inclusion in, or eligibility for, inclusion in the California Register; or

(2) Demolishes or materially alters in an adverse manner those physical characteristics that account for its inclusion in a local register of historical resources pursuant to Section 5020.1(k) of the PRC or its identification in an historical resources survey meeting the requirements of Section 5024.1(g) of the PRC, unless the public agency reviewing the effects of the project establishes by a preponderance of evidence that the resource is not historically or culturally significant; or

DRAFT

(3) Demolishes or materially alters in an adverse manner those physical characteristics of a historical resource that convey its historical significance and that justify its eligibility for inclusion in the California Register as determined by a lead agency for purposes of CEQA (CEQA Guidelines Section 15064.5(b)(2)).

Pursuant to these sections, the CEQA inquiry begins with evaluating whether a project site contains any "historical resources," then evaluates whether that project will cause a substantial adverse change in the significance of a historical resource such that the resource's historical significance is materially impaired.

If it can be demonstrated that a project will cause damage to a unique archaeological resource, the lead agency may require reasonable efforts be made to permit any or all of these resources to be preserved in place or left in an undisturbed state. To the extent that they cannot be left undisturbed, mitigation measures are required (PRC Sections 21083.2(a)–(c)).

Section 21083.2(g) defines a unique archaeological resource as an archaeological artifact, object, or site about which it can be clearly demonstrated that without merely adding to the current body of knowledge, there is a high probability that it meets any of the following criteria:

(1) Contains information needed to answer important scientific research questions and that there is a demonstrable public interest in that information.

(2) Has a special and particular quality such as being the oldest of its type or the best available example of its type.

(3) Is directly associated with a scientifically recognized important prehistoric or historic event or person (PRC Section 21083.2(g)).

Impacts on nonunique archaeological resources are generally not considered a significant environmental impact (PRC Section 21083.2(a); CEQA Guidelines Section 15064.5(c)(4)). However, if a nonunique archaeological resource qualifies as a TCR (PRC Sections 21074(c) and 21083.2(h)), further consideration of significant impacts is required.

CEQA Guidelines Section 15064.5 assigns special importance to human remains and specifies procedures to be used when Native American remains are discovered. As described below, these procedures are detailed in PRC Section 5097.98.

California State Assembly Bill 52

Assembly Bill (AB) 52 of 2014 amended PRC Section 5097.94 and added PRC Sections 21073, 21074, 21080.3.1, 21080.3.2, 21082.3, 21083.09, 21084.2, and 21084.3. AB 52 established that tribal cultural resources (TCRs) must be considered under CEQA and also provided for additional Native American consultation requirements for the lead agency. Section 21074 describes a TCR as a site, feature, place, cultural landscape, sacred place, or object that is considered of cultural value to a California Native American Tribe and that is either:

- On or determined to be eligible for the California Register of Historical Resources or a local historic register; or
- A resource determined by the lead agency, in its discretion and supported by substantial evidence, to be significant pursuant to criteria set forth in subdivision (c) of Section 5024.1.

AB 52 formalizes the lead agency–tribal consultation process, requiring the lead agency to initiate consultation with California Native American groups that are traditionally and culturally affiliated with the project site, including tribes

that may not be federally recognized. Lead agencies are required to begin consultation prior to the release of a negative declaration, mitigated negative declaration, or environmental impact report.

Section 1 (a)(9) of AB 52 establishes that "a substantial adverse change to a tribal cultural resource has a significant effect on the environment." Effects on TCRs should be considered under CEQA. Section 6 of AB 52 adds Section 21080.3.2 to the PRC, which states that parties may propose mitigation measures "capable of avoiding or substantially lessening potential significant impacts to a tribal cultural resource or alternatives that would avoid significant impacts to a tribal cultural resource." Further, if a California Native American tribe requests consultation regarding project alternatives, mitigation measures, or significant effects to tribal cultural resources, the consultation shall include those topics (PRC Section 21080.3.2[a]). The environmental document and the mitigation monitoring and reporting program (where applicable) shall include any mitigation measures that are adopted (PRC Section 21082.3[a]).

California Health and Safety Code Section 7050.5

California law protects Native American burials, skeletal remains, and associated grave goods, regardless of their antiquity, and provides for the sensitive treatment and disposition of those remains. California Health and Safety Code Section 7050.5 requires that if human remains are discovered in any place other than a dedicated cemetery, no further disturbance or excavation of the site or nearby area reasonably suspected to contain human remains shall occur until the county coroner has examined the remains (Section 7050.5(b)). PRC Section 5097.98 also outlines the process to be followed in the event that remains are discovered. If the coroner determines or has reason to believe the remains are those of a Native American, the coroner must contact NAHC within 24 hours (Section 7050.5(c)). NAHC will notify the "most likely descendant." With the permission of the landowner, the most likely descendant may inspect the site of discovery. The inspection must be completed within 48 hours of notification of the most likely descendant by NAHC. The most likely descendant may recommend means of treating or disposing of, with appropriate dignity, the human remains, and items associated with Native Americans.

Local

City of Fontana Historic Resource Code (ARTICLE XIII.)

Sec. 5-351. - Purpose.

This article is adopted to implement the goals and policies of the general plan, which recognize the presence of archeological sites and buildings that have historic importance for the city. The city council finds and declares that historic, archeological and cultural resources symbolize the city and its people, reveal how the city's character was shaped, and instill pride in the community. The creation and functions of the planning commission and the identification, preservation and protection of historic, archeological and cultural resources within the city shall be governed by the provisions of this article. (Ord. No. 1001, § 1(8-68), 1-2-91; Ord. No. 1244, § 3, 5-5-98).

Sec. 5-355. - Historical Resources Designation Criteria.

The city council, upon recommendation of the commission, may designate any improvement, natural feature or site as an historical resource and any area within the city as an historic overlay district if it meets the criteria for listing on the National Register of Historic Places or the following:

1) It has a special historical, archeological, cultural, architectural, community or aesthetic value;

2) It is identified with persons, a business use or events significant in local, state or national history;

3) It embodies distinctive characteristics of a style, type, period or method of construction, or is a valuable example of the use of indigenous materials or craftsmanship;

4) It has a unique location or singular physical characteristic that represents an established and familiar visible feature of a neighborhood or community or the city;

5) Its integrity as a natural environment or feature strongly contributes to the well-being of residents or a neighborhood of the city; or

6) It is a geographically definable area possessing a concentration of sites, buildings, structures or objects that are unified by past events or are unified aesthetically by plan or physical development.(Ord. No. 1001, § 1(8-72), 1-2-91; Ord. No. 1244, § 3, 5-5-98).

Sec. 5-356. - Historical Resources Designation Procedures.

The city council may designate historical resources and historical overlay districts in the following manner:

1) *Application.* Any person may request the designation of an historical resource or an historic overlay district by submitting a request for such designation at the public counter. Such request shall be forwarded to the commission. The city council may also initiate designation proceedings on its own motion. The historic preservation commission may also initiate designation proceedings on its own motion during its first meeting of each calendar year. Request for designation of an historical resource or overlay district shall contain sufficient documentation and information to indicate how the proposed historical resource or historic overlay district meets the designation criteria set forth in this article. Notification of the request shall, within 30 days of receipt of the request, be sent to the owners and occupants of the subject property, using the names and addresses of such owners as shown on the latest equalized assessment rolls.

2) *Review of request.* The commission shall conduct a study of the proposed designation by verifying the accuracy of the information supplied with the request, reviewing other documentation, visiting the site, or taking such other actions as it deems appropriate. If the commission determines that the request merits consideration, it shall schedule a public hearing. Notice of the commission's decision to schedule or not schedule a public hearing shall be mailed to the person making the request for designation.

3) *Public hearing.* If the commission decides to schedule a public hearing, notice of the date, place, time and purpose of the hearing shall be given by first class mail to the person requesting designation and the owners and occupants of the subject property at least ten days prior to the date of the public hearing, using the names and addresses of such owners as shown on the latest equalized assessment rolls. The hearing shall also be advertised once in a newspaper of local circulation.

4) *Restriction on issuance of permits.* No permits for building, alteration, demolition or removal of any improvement, building or structure of a proposed historical resource or historic overlay district shall be issued while the public hearing or any related appeal is pending.

DRAFT

5) *Commission recommendation.* At the conclusion of the public hearing, but in no event more than 30 days from the date set for the initial public hearing, the commission shall recommend, in writing, approval or disapproval, in whole or in part, of the request for designation. The commission's recommendation shall include findings of fact relating to the criteria for designation set forth in this article. In the case of a proposed historical resource, the commission's recommendation shall be transmitted directly to the city council. In the case of a proposed historic overlay district, the recommendation of the commission shall follow the city development code zoning procedures regarding the establishment of an historic overlay district in its recommendation to the city council. The recommendation shall also be sent to the person requesting designation and the owners and occupants of the subject property.

6) *Council decision.* Within 30 days from the date of receipt of the recommendation from the commission, the city council shall by ordinance approve or disapprove, in whole or in part, the request for designation. As soon thereafter as reasonably practical, the community development department shall send by first class mail a copy of the ordinance to the owners and occupants of the subject property, using the names and addresses of such owners as shown on the latest equalized assessment rolls.

7) *Failure to notify.* Failure to send any notice by mail to any property owner where the address of such owner is not a matter of public record shall not invalidate any proceedings in connection with the proposed designation.

8) *Removal of designation.* The commission shall not recommend that a resource or district be removed from the local register of all properties designated as historical resources or historic overlay districts unless it is discovered that the city council in making the original designation was erroneous or false or that circumstances wholly beyond the owner's control have rendered the resource ineligible for designation based on the criteria set forth in this article and that it would be feasible to restore the resource.

9) *Recording.* Designations must be recorded with the county recorder's office. (Ord. No. 1001, § 1(8-73), 1-2-91; Ord. No. 1111, § 4, 5-3-94; Ord. No. 1244, § 3, 5-5-98).

Background Research

SCCIC Records Search

On June 17, 2022, Dudek conducted a search of the CHRIS at the SCCIC located at the California State University, Fullerton. This records search included previously recorded cultural resources and investigations conducted within a 1-mile radius of the proposed Project site as well as their collections of mapped prehistoric and historic archaeological resources; Department of Parks and Recreation site records; technical reports; archival resources; and ethnographic references. Additional consulted sources included historical maps of the project site, the National Register of Historic Places (NRHP), the California Register of Historical Resources (CRHR), the California Historic Property Data File, and the lists of California State Historical Landmarks, California Points of Historical Interest, and the Archaeological Determinations of Eligibility. Dudek reviewed the SCCIC records to determine whether the implementation of the proposed Project would have the potential to impact any known and unknown cultural resources. The confidential records search results are provided in Confidential Appendix B.

DRAFT

Previously Conducted Cultural Resource Studies

Results of the cultural resources records search indicate that twenty (20) cultural resource studies have been conducted within a 1-mile radius of the proposed Project site between 1984 and 2014, none of which address the proposed Project site. This suggests that the entirety of the proposed Project site has not been subject to any previous archaeological investigations. Table 1, below, summarizes all twenty (20) previous studies.

Table 1. Previous Technical Studies Within a 1-Mile of the Proposed Project Site

SCCIC Report No.	Authors	Year	Title	Proximity to Proposed Project Site
SB-01443	Del Chario, Kathleen C. and Marie G. Cottrell	1984	Archaeological Resources Assessment Conducted For The Southern Pacific Business Park, City of Fontana, San Bernardino County, California	Outside
SB-02624	Alexandrowicz, J. Stephen, Susan R. Alexandrowicz, and Arthur A. Kuhner	1992	A Cultural Resources Investigation For The Proposed Construction Site of The Kaiser Permanente Medical Facility, 9310 Sierra Avenue and The Adjacent Western Property, City of Fontana, County of San Bernardino, California	Outside
SB-02682	Alexandrowicz, J. Stephen and Susan R. Alexandrowicz	1992	Historic Archaeological and Architectural Investigations For The Proposed Kaiser Permanente Medical Facility, Southwest Corner of Sierra and Randall Avenues, City of Fontana, County of San Bernardino, California	Outside
SB-03506	McDonald, Meg and John Goodman	2001	Archaeological Inspection of Guzzlers 6404 & 6312, Mountaintop Ranger District, SBNF, CA.	Outside
SB-03599	Brechbiel, Brant	1998	Cultural Resource Record Search and Survey Report For A PBMS Telecommunications Facility: CM 016-12 in The City of Fontana, CA.	Outside
SB-03603	Love, Bruce	1998	Installation of Water Pipes Along I-10 Between Colton and Fontana.	Outside
SB-03767	Mckenna, Jeanette A.	2002	A Phase I Cultural Resources Inventory of The Fontana Unified School District Jurupa Hills Middle School Site in The City of Fontana, San Bernardino County, CA.	Outside
SB-03770	Mckenna, Jeanette A.	2002	A Phase I Cultural Resource Investigation of The Fontana Unified School District High School #5 Site In The City of Fontana, San Bernardino County, CA	Outside
SB-04255	Mckenna, Jeanette A.	2004	Fontana Unified School District Elementary School No. 30.	Outside

DRAFT

Table 1. Previous Technical Studies Within a 1-Mile of the Proposed Project Site

SCCIC Report No.	Authors	Year	Title	Proximity to Proposed Project Site
SB-04259	Romani, John	2003	Negative Archaeological Survey & Supplemental Report: Yard 3, Arrow Route At Locust Ave, Fontana, San Bernardino County, CA.	Outside
SB-04371	Shepard, Richard	2004	Preliminary Cultural Resources Assessment: Fontana Annexation No. 157 and Pre-Zoning, City of Fontana, San Bernardin County.	Outside
SB-04873	Encarnacion, Deirdre	2005	Historical/Archaeological Resources Survey Report: San Bernardino Avenue Pipeline and Pump Station In and Near the City of Fontana, San Bernardino County, California.	Outside
SB-05421	Yamkido, Laureen	2004	Proposed Fontana Station, San Bernardino County	Outside
SB-06099	Gregory, Carrie J. and Holly Warner	2008	Historical Assessment and Technical Report for the Kaiser Fontana Medical Center Hospital Replacement Project, Fontana, San Bernardino County, California	Outside
SB-06516	Ashkar, Shahira	1999	Cultural Resource Inventory Report for Williams Communications, Inc., Proposed Fiber Optic System Installation Project, Los Angeles to Riverside, Los Angeles, Riverside and San Bernardino Counties.	Outside
SB-07055	Ghabhlain, Sinead	2002	Sierra and Slover Cultural Resources Survey	Outside
SB-07512	Way, Michael and Adam Kiehn	2013	Cultural Resources Survey ES0731 9851 Catawba Avenue, Fontana, San Bernardino County, California 92335, Project No. 61131692	Outside
SB-07516	Puckett, Heather R.	2013	Slover, 10755 Oleander Avenue, Fontana, California 92337.	Outside
SB-07580	Tang, Bai “Tom” and Michael Hogan	2014	Historical/Archaeological Resources Survey Report: MIG/Hogle-Ireland Fontana Industrial Development Program, City of Fontana, San Bernardino County, California.	Outside
SB-07808	Way, Michael	2014	Addendum to Archaeological Report for FCC Form 620 ES0371, 9851 Catawba, Fontana, San Bernardino County, California 92335.	Outside

DRAFT

Previously Recorded Cultural Resources

The SCCIC records indicate that nineteen (19) cultural resources have been previously recorded within 1-mile of the proposed Project site, none of which are located within or are adjacent to the proposed Project site. The closest resource, the Southern Pacific Railroad (SPRR) tracks, is located approximately 89 meters (292 feet) south of the proposed Project site and was determined to be ineligible for NRHP or CRHR listing. All 19 resources, including the SPRR tracks, are historic built environment resources and fall outside of the scope of the present study and therefore, will not be further addressed within this report. No historic period or prehistoric archaeological resources were identified within the proposed Project site or 1-mile records search area. A bibliography of all 19 resources is included in Appendix C of this report.

Review of Historical Topographical Maps and Aerial Photographs

Dudek consulted historical topographic maps and aerial photographs through the Nationwide Environmental Title Research, LLC (NETR), to better understand any natural or human-made changes to the proposed Project site and surrounding properties over time.

Historical Topographic Maps

Topographic maps depict elevation of the study area as well as the areas surrounding it and illustrate the location of roads and some buildings. Although topographic maps are not comprehensive, they are another tool in determining whether a study area has been disturbed and at times to what approximate depth. A review of available topographic maps was conducted and includes the following years: 1896, 1898, 1901, 1905, 1909, 1913, 1926, 1929, 1938, 1943, 1946, 1955, 1959, 1963, 1965, 1969, 1975, 1980, 1985, 2012, 2015, and 2018 (NETR 2022a). Table 2 summarizes the results of the historical topographic map review of the proposed Project site and surrounding properties for all available years.

Table 2. Review of Historical Topographic Maps

Year	Description
1896	The proposed Project site is shown as undeveloped. Depicted to the south and outside of the proposed Project site is the east-west traveling SPRR. Depicted to the north and outside of the proposed Project site is the east-west traveling Atchison Topeka and Santa Fe [Railroad].
1898-1938	There are no significant changes in the proposed Project site.

DRAFT

Table 2. Review of Historical Topographic Maps

Year	Description
1943	There is one structure depicted on the northern of the proposed Project location within APN 0251-321-35. There is a structure outside of the proposed Project site, directly east of APN 0251-171-19 and there a structure along the northwest border of APN 0251-171-19. There is a primary highway depicted immediately north of the proposed Project site labeled as "The Ocean to Ocean Highway" and is depicted as Highways 70 and 99 (present-day Valley Boulevard). Cypress [Road] and Juniper [Avenue] are depicted as light duty roads bordering the proposed Project site to the west and east, respectively, and is consistent with the present-day road configuration.
1946	This map depicts the same information as the 1938 map.
1955	The Ocean to Ocean Highway depicted on the 1943 is renamed and labeled on the map as Valley Boulevard and is noted to have three lanes. There are now 16 structures depicted within the proposed Project site, scattered throughout APNs 0251-321-35, 0251-321-17, 0251-321-18, 0251-321-19, 0251-321-20, 0251-321-21, 0251-321-22, 0251-321-23, 0251-321-26 and 0251-321-27. Seven of the structures are along Valley Boulevard and four are along Juniper Avenue. While there are structures within APN 0251-321-35, it depicted as an orchard. Highways 70 and 99 are now located south of the proposed Project site, generally following the footprint of present-day I-10. North of Highways 70 and 99 and immediately south of the proposed Project site is an east-west oriented unnamed light duty road (present-day Washington Drive).
1959	This map shows structures generally in the same location as the structures in the 1955 map; however, there are now six structures along Valley Boulevard and three structures along Juniper Avenue. Highways 70 and 99 are noted to have two lanes going westbound and two lanes going eastbound.
1963	This map depicts the same information as the 1955 map.
1965	This map depicts the same information as the 1959 map.

DRAFT

Table 2. Review of Historical Topographic Maps

Year	Description
1969	There is now a "Trailer Park" noted within the northern section of the proposed Project site. There are six structures along Valley Boulevard within APNs 0251-321-35, 0251-321-17, 0251-321-18, 0251-321-19, 0251-321-20, and 0251-321-21. There are five structures along Juniper Avenue within APNs 0251-321-22, 0251-321-25, 0251-321-26, and 0251-321-27. There is an unnamed road looping off of Juniper Avenue, circling the structure within APN 0251-321-22 within the northeast corner of the proposed Project site. There are two structures along the unnamed light duty road to the south of the proposed Project site (present-day Washington Drive), within APN 0251-171-19. The orchard has decreased in size and is primarily within the northwest quadrant of the proposed Project site.
1975	There are two additional structures depicted along the borders of APN 0251-171-19. Highways 70 and 99 is now identified as the "San Bernardino Freeway".
1980 and 1985	There are no significant changes depicted within the proposed Project site.
2012 and 2015	There are no structures depicted on the map, including within the proposed Project site. The San Bernardino Freeway is not labeled on the map; however, the freeway now depicts a symbol denoting it as a California Interstate highway "10". There is now an unnamed waterway depicted, traversing east-west, located south of the unnamed light duty road (present-day Washington Drive) and north of the I-10.
2015	There are no significant changes depicted within the proposed Project site or immediate vicinity.
2018	There is a road labeled Taylor Avenue is depicted, traveling east-west and shown as intersecting the northwest quadrant of proposed Project site. The unnamed light duty road to the south of the proposed Project site is now referred to Washington [Drive], consistent with its present-day road configuration.

While topographic maps are informative, they do not illustrate the minute changes that can occur to a landscape overtime and at times, are inconsistent with what is depicted year to year. Most often, structures depicted in topographical maps are limited to those with community or social significance (e.g. Firehouses or Hospitals), including additions or changes to roads and/or waterways. Nonetheless, the information gathered contributes to the understanding of the chronological development of a study area.

Historical Aerial Photographs

A review of historical aerial photographs from the following years was conducted as part of the archival research effort and includes the following years: 1938, 1948, 1959, 1966, 1985, 1994, 2002, 2005, 2009, 2010, 2012, 2014, 2016, 2018 and 2020 (NETR 2022). Through careful comparative review of historical aerials, changes to

the landscape of a study area may be revealed. Disturbance to the study area is specifically important as it helps determine if soils within the study area are capable of sustaining intact archaeological deposits. Additionally, historical aerials have the potential to reveal whether a study area was subjected to alluvial deposits by way of flooding, debris flows or mudslides, as well as placement of artificial or foreign fill soils that may have buried intact archaeological deposits. Table 3 summarizes the results of the aerial photograph review for all available years that include the proposed Project site and surrounding properties.

Table 3. Historical Aerial Photograph Review

Year	Description
1938	The earliest aerial photograph appears to show the proposed Project site as largely undeveloped and in use as agricultural fields, specifically orchards. There is an east-west road directly to the north of the proposed Project site, where present-day Valley Boulevard is located. There appears to be a north-south road or path directly to the east, lined with trees on either side, where present-day Juniper Avenue is located. There is a row of trees that borders the proposed Project site to the south, extending from the western border up to the eastern border.
1948	There have been significant changes to the proposed Project site: APN 0251-321-22 now has a structure in the northeast corner of the parcel. The orchard in this parcel is graded in the northern area, and there appears to be an access road to the structure from Juniper Avenue. APN 0251-321-23 remains in use as an orchard. APNs 0251-321-24, 0251-321-25, 0251-321-26, and 0251-321-27 appear to be in use as agricultural fields. There is a dividing line of trees running east to west across the southern boundaries of APNs 0251-321-35, 0251-321-17, 0251-321-18, 0251-321-19, 0251-321-20, 0251-321-21 and 0251-321-27. However, there is a structure within the southeast corner of APN 0251-321-27. The northwestern corner of APN 0251-321-35, and the northern half portions of APNs 0251-321-18, 0251-321-19, 0251-321-20, and 0251-321-21 have multiple scattered structures; however, due to the poor quality of the photograph, the exact number of structures within each parcel is indistinguishable. The remainder of APN 0251-321-35 is vacant and undeveloped and does not appear to be in use as an orchard. The southern half portions of APNs 0251-321-17, 0251-321-18, 0251-321-19, 0251-321-20, and 0251-321-21 remain as agricultural fields. However, there are structures within APNs APN 0251-321-19 and APN 0251-321-20, though due to the poor quality of the photograph, the exact number of structures within each parcel is indistinguishable.

DRAFT

Table 3. Historical Aerial Photograph Review

Year	Description
1959	APN 0251-321-35 is vacant and appears to be in use for agricultural purposes. However, the eastern portion of this parcel consists of development within a strip that is rectangular in shape, similar to the parcels to the east, with at least four structures limited to the northern portion of this strip. APNs 0251-321-17, 0251-321-18, 0251-321-19, 0251-321-20, and 0251-321-21 appear to be more clearly delineated. With buildings and/or structures primarily within the northern half portions of these parcels and largely cleared areas within the southern half portions with the exception of APN 0251-321-18, which appears to have a structure or building. Additionally, the southern half portions of APNs 0251-321-20 and 0251-321-21 appear to remain in use as orchards. There are several new structures (more than twenty) in APNs 0251-321-22 and 0251-321-23. There is a large rectangular structure within APN 0251-321-25, There are two structures within the eastern half portion of APN 0251-321-26 and the western half portion of this parcel appears to remain in use as an orchard. There are two or three structures within the southeast corner of APN 0251-321-27. APN 0251-171-19, which extend south towards present-day Washington Drive, appears to have five structures or trailers. A north-south oriented road (present-day Juniper Avenue), bordering the proposed Project site to the east, appears to now be a connected road.
1966	Due to the poor quality of the aerial photograph images captured are difficult to discern; however, there no observable significant changes to the proposed Project site.
1985	There are new structures in APN 0251-321-25 and 0251-321-26 and there appears to be a tractor trailer parked in APN 0251-321-26. The road bordering the proposed Project site to the north (present-day Valley Boulevard) appears to be paved road.
1994	There have been significant changes to the proposed Project site. The structures within APNs 0251-321-22 and 0251-321-23 are gone and the area is an open field. The structures within APNs 0251-321-25 and 0251-321-26 are gone, and the area graded. There appears to be two structures in the APN 0251-321-27. APN 0251-171-19 is cleared of structures and is a vacant field. The trees that bordered the proposed Project site to the south are gone.

DRAFT

Table 3. Historical Aerial Photograph Review

Year	Description
	The structures that bordered the road immediately north of the proposed Project site (present-day Valley Boulevard) are mostly gone, except in APNs 0251-321-35 and 0251-321-18.
2002	APNs 0251-321-35 and 0251-321-18 appear to be developed with structures limited to the northern half portions. The remainder of the proposed Project site appears to be cleared fields with occasional trees
2005	There are no significant changes to the proposed Project site.
2009	There have been significant changes to the proposed Project site. All structures within the proposed Project site are gone; however, APN 0251-321-26 is being used for tractor trailer parking. The remainder of the proposed Project site is open field with occasional tree.
2010	APN 0251-321-18 appears to have overlay of unknown materials on the surface that is distinctly different in color from the majority of the other parcels within the proposed Project site with the exception of APNs 0251-321-25 and 0251-321-26, which appear to have similar surface coverage. What is observed may represent concrete and/or gravel.
2012	The unknown material overlying APN 0251-321-18 has been reduced to a small area limited to the northern portion of the parcel.
2014	APN 0251-321-35 is shown to have been subjected to substantial ground disturbance through grading activities, including the parcels west of APN 0251-321-17.
2016	There are no significant changes to the proposed Project site.
2018	There are no significant changes to the proposed Project site.
2020	There are no significant changes to the proposed Project site.

Geotechnical Report Review

The geotechnical report, *Geotechnical Investigation, AutoFit Fontana, 16655 Valley Boulevard, Fontana, CA 92335* (SPC Geotechnical, Inc. 2019), was prepared by SPC Geotechnical, Inc. for the current proposed Project site to address subsurface conditions and to perform infiltration testing of the soils in support of the design for onsite stormwater infiltration systems. The report details the results of seven (7) 8-inch-in-diameter hollow-stem auger borings (B-1 through B-7) and three (3) infiltration tests (I-1 through I-3). These borings and infiltration tests were placed at accessible locations throughout the proposed Project site and backfilled and tamped after the completion of each investigation.

Subsurface exploratory borings extended to a maximum depth ranging from 3 to 31.5 feet below ground surface (bgs) and were completed on February 25, 2019. According to the geotechnical report, the soils encountered include: 1) Fills soils: characterized as typically brown silty sand with scattered rounded fine to coarse gravel and generally loose to medium dense; 2) Alluvium (native soils): characterized as young alluvial fan deposits consisting of dry to moist, medium dense to very dense brown, well-graded sand to silty sand with gravel, were identified underlying fill soils to the maximum depths explored. A summary of the subsurface exploratory boring results is provided in Table 4, below.

Table 4. Summary of Subsurface Boring Results – SPC Geotechnical, Inc. 2019

Boring	Location	Fill Soils	Alluvium (Native Soils)	Terminated Depth
B-1	Northwest quadrant	0-3.25 feet bgs	3.25 to 4.5 feet bgs	4.5 feet bgs
B-2	Northwest quadrant	0-2.5 feet bgs	2.5 to 31.5 feet bgs	31.5 feet bgs
B-3	Southeast quadrant	0-3 feet bgs	3 to 31.5 feet bgs	31.5 feet bgs
B-4	Northeast quadrant	0-3 feet bgs	3 to 31.5 feet bgs	31.5 feet bgs
B-5	Center	0-2 feet bgs	2 to 20.9 feet bgs	20.9 feet bgs
B-6	East portion; mid-point	0-2 feet bgs	2 to 11.5 feet bgs	11.5 feet bgs
B-7	Southwest quadrant	0 to ~2.75 feet bgs	~2.75 to 31.5 feet bgs	31.5 feet bgs
I-1	Southwest quadrant	0-1.5 feet bgs	1.5 to 3.1 feet bgs	3.1 feet bgs
I-2	Southwest quadrant	0-2 feet bgs	2-3.1 feet bgs	3.1 feet bgs
I-3	Southern extension near Washington Drive	0-1 feet bgs	1-3 feet bgs	3 feet bgs

Note: ~ denotes approximate depth.

Assembly Bill 52

The proposed Project is subject to compliance with AB 52 (PRC 21074), which requires consideration of impacts to TCRs as part of the CEQA process, and that the lead agency notify California Native American Tribal representatives that have requested notification who are traditionally or culturally affiliated with the geographic area of the proposed Project site. All records of correspondence related to AB 52 notification and any subsequent consultation are on file with the City. A summary of the consultation record is provided and addressed in the Initial Study/Mitigated Negative Declaration document for the proposed Project.

1938 Kirkman-Harriman Historical Map Review

Dudek cultural resources specialists reviewed sources commonly identified though Tribal consultation, notably the 1938 Kirkman-Harriman Historical Map (Image 1). Based on this map, the proposed Project site is over 10 miles southwest of the foothills of the San Bernardino Mountains and approximately 1.3 miles northwest of the Jurupa Hills. Roadways mapped in close proximity to the proposed Project site include the "Old Salt Road", approximately 0.3 miles to the northwest, and the confluence of this aforementioned road with another "Old Salt Road" also identified as "Camino para Sal[1]", approximately 1 mile to the northeast, and a Mission Road mapped approximately 3 miles to the south. Waterways mapped in the vicinity of the proposed Project site include the confluence of Lytle Creek Wash and Cajon Wash, approximately 7.5 miles to the northeast. The historical route of the Santa Ana River, which drains from these washes over 8 miles to the northeast of the proposed Project site, is depicted coursing generally southeast before trending south where it meets with an unnamed waterway over 10 miles to the east, and changing course towards the southwest, and is mapped approximately 7.5 miles south of the proposed Project

[1] Mapped Point 9: Old Salt Road (Camino para Sal) "traversed once a year, [until] 1833, by armed caravan sent for year's supply of salt by Los Angeles, to salt beds at Salton" (Latker 2011).

site. The "Sub. Mission of San Gabriel Mission[2]" is mapped well over 13 miles east of the proposed Project site. Also depicted on the map, over 10 miles to the northeast of the proposed Project site, is a location symbolized with a flag and labeled "Cp. San. Bdno. San Bernardino (1850)[3]". Well outside the proposed Project site footprint but within the general surrounding vicinity are five (5) Native American villages. The nearest mapped unnamed village is nearly 8 miles to the southeast; a second unnamed village is located over 14 miles to the northeast; and a third unnamed village is mapped over 9 miles to the east/southeast; a fourth unnamed village is mapped nearly 9 miles to the southwest; and the fifth village labeled as "Cuca mogna" is mapped nearly 9 miles to the northwest, situated just northwest of the confluence of the Santa Fe Trail and Old Stage Road in an area labeled as "New Mexico."

It should be noted that this map is highly generalized due to scale and age and may be somewhat inaccurate with regards to distance and location of mapped features. Additionally, this map was prepared based on review of historic documents and notes more than 100 years following secularization of the missions (in 1833). Although the map contains no specific primary references, it matches with the details documented by the Portolá expedition (circa 1769–1770). The map is a valuable representation of post-colonization mission history; however, it is limited to a specific period of Native American history and substantiation of the specific location and uses of the represented individual features should be verified by archaeological records and/or other primary documentation.

No archaeological evidence of the nearest village on the 1938 Kirkman-Harriman map was provided in the SCCIC records or as the result of a review of other archaeological information for the proposed Project site. This suggests that the village is either likely no nearer than 1-mile from the proposed Project site or if existent within the records search radius, subsurface deposits associated with the village have not yet been discovered.

DRAFT

[2] Mapped Point 8: "San Bernardino Sub-Mission (Assistencia) of San Gabriel Mission, 1820. (In Old L.A. County [until] 1853" (Latker 2011).
[3] Mapped Point 34: "Camp San Bernardino, near San Bernardino, on three sites during Civil War" (Latker 2011).

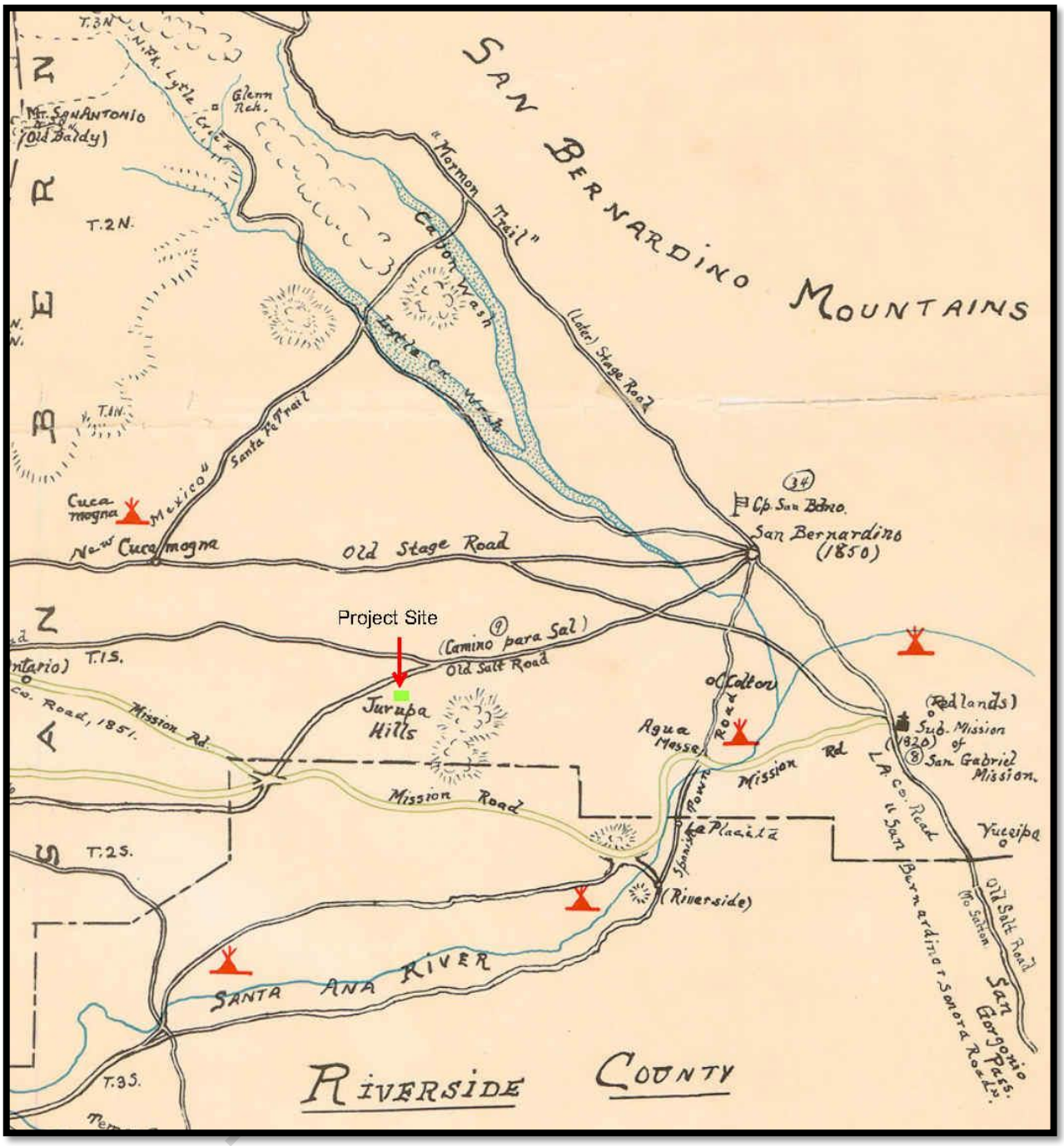


Image 1: 1938 Kirkman-Harriman Historical Map (Proposed Project Site Symbolized in Green)

Field Survey

Methods

Dudek conducted an intensive-level archaeological pedestrian survey of the proposed Project site on November 11, 2022. The survey was conducted employing parallel transects, spaced no greater than 15 meters apart (approximately 50 feet), where feasible and safe to do so. In areas of limited ground surface visibility due to the presence of dense vegetation, including shrubs and trees, structures (e.g. existing fencing), piles of modern refuse, concrete pad, areas overlaid with gravel, and parked or staged vehicles, formal transects were not utilized. Instead, a mixed approach (opportunistic survey) and reconnaissance survey (visual inspection) were utilized, selectively examining areas of exposed ground surfaces, where possible.

The survey of the approximately 11.6-acre proposed Project site included the following 13 parcels: APNs 0251-171-19, 0251-321-17, 0251-321-18, 0251-321-19, 0251-321-20, 0251-321-21, 0251-321-22, 0251-321-23, 0251-321-24, 0251-321-25, 0251-321-26, 0251-321-27, and 0251-321-35. The ground surface was inspected for prehistoric artifacts (e.g., flaked stone tools, tool-making debris, groundstone tools, ceramics, fire-affected rock), soil discoloration that might indicate the presence of a cultural midden, soil depressions, features indicative of structures and/or buildings (e.g., standing exterior walls, post holes, foundations), and historical artifacts (e.g., metal, glass, ceramics, building materials). Ground disturbances such as rodent burrows, cut banks, base of trees and shrubs, tilled areas, and informal dirt roads and paths, were also visually inspected for exposed subsurface materials. All field notes, photographs, and records related to the current study are on file at Dudek's Pasadena, California office. All field practices met the Secretary of Interior's standards and guidelines for a cultural resources inventory.

Results

Ground surface visibility within the proposed Project site was variable and as such, in areas of dense ground coverage, surface scrapes were occasionally implemented, when necessary, to enhance detection of archaeological materials that may have been obscured on the surface. Survey results for the 13 parcels that make up the proposed Project site are discussed individually below. Note: the geotechnical study revealed that the proposed Project site is predominately covered in fill soils although the origin of the soils was not mentioned. As such, any exposed soils observed during the survey were likely fill soils and not a good representation of the native soils present prior to development/ground disturbing activities.

APN 0251-171-19

This parcel exhibited evidence of tilling, which provided for excellent ground surface visibility (100 percent). However, ground surface visibility within other areas of this parcel that had not been tilled varied as a result of the vegetation, patches of gravel, and dense piles of modern refuse scattered throughout with limited areas of exposed ground soils and therefore, in these variable areas, ground surface visibility ranged from non-existent to good (0-50 percent).

APN 0251-321-17

DRAFT

This parcel exhibited evidence of tilling, which provided for excellent ground surface visibility (100 percent). However, ground surface visibility within other areas of this parcel that had not been tilled varied as a result of the vegetation, patches of gravel, and dense piles of modern refuse scattered throughout with limited areas of exposed ground soils and therefore, in these variable areas, ground surface visibility ranged from non-existent to good (0-50 percent). However, of note, in areas within this parcel where homeless encampments were present, an archaeological survey was not performed for safety purposes.

APN 0251-321-18

This parcel exhibited evidence of tilling, which provided for excellent ground surface visibility (100 percent). However, ground surface visibility within other areas of this parcel that had not been tilled varied as a result of the vegetation, patches of gravel, and dense piles of modern refuse scattered throughout with limited areas of exposed ground soils and therefore, in these variable areas, ground surface visibility ranged from non-existent to good (0-50 percent).

APN 0251-321-19

Ground surface visibility within this parcel varied as a result of the vegetation, patches of gravel, and dense piles of modern refuse scattered throughout with limited areas of exposed ground soils. Given the current parcel conditions, ground surface visibility within this parcel was non-existent to good (0-50 percent).

APN 0251-321-20

Ground surface visibility within this parcel varied as a result of the vegetation, patches of gravel, and dense piles of modern refuse scattered throughout with limited areas of exposed ground soils. Given the current parcel conditions, ground surface visibility within this parcel was non-existent to good (0-50 percent).

APN 0251-321-21

Ground surface visibility within this parcel varied as a result of the vegetation, patches of gravel, and dense piles of modern refuse scattered throughout with limited areas of exposed ground soils. Given the current parcel conditions, ground surface visibility within this parcel was non-existent to good (0-50 percent).

APN 0251-321-22

Ground surface visibility within this parcel varied as a result of the vegetation, patches of gravel, and dense piles of modern refuse scattered throughout with limited areas of exposed ground soils. Given the current parcel conditions, ground surface visibility within this parcel was non-existent to good (0-50 percent).

APN 0251-321-23

Ground surface visibility within this parcel varied as a result of the vegetation, patches of gravel, and dense piles of modern refuse scattered throughout with limited areas of exposed ground soils. Given the current parcel conditions, ground surface visibility within this parcel was non-existent to good (0-50 percent).

APN 0251-321-24

DRAFT

Ground surface visibility within this parcel varied as a result of the vegetation, patches of gravel, and dense piles of modern refuse scattered throughout with limited areas of exposed ground soils. Given the current parcel conditions, ground surface visibility within this parcel was non-existent to good (0-50 percent).

APN 0251-321-25

This parcel consists of an existing concrete pad and at the time of the survey, there were parked vehicles. Given the current parcel conditions, ground surface visibility within this parcel was non-existent (0 percent) and was therefore, not surveyed.

APN 0251-321-26

Portions of this parcel consists of an existing concrete pad and at the time of the survey, there were parked vehicles. Ground surface visibility within this parcel varied as a result of the concrete pad, parked vehicles, vegetation, and dense piles of modern refuse scattered throughout with limited areas of exposed ground soils. Given the current parcel conditions, ground surface visibility within this parcel was non-existent to good (0-50 percent).

APN 0251-321-27

Ground surface visibility within this parcel varied as a result of the vegetation, patches of gravel, and dense piles of modern refuse scattered throughout with limited areas of exposed ground soils. Given the current parcel conditions, ground surface visibility within this parcel was non-existent to good (0-50 percent).

APN 0251-321-35

This parcel exhibited evidence of tilling, which provided for excellent ground surface visibility (100 percent). However, ground surface visibility within other areas of this parcel that had not been tilled varied as a result of the vegetation, patches of gravel, and dense piles of modern refuse scattered throughout with limited areas of exposed ground soils and therefore, in these variable areas, ground surface visibility ranged from non-existent to good (0-50 percent). However, of note, in areas within this parcel where homeless encampments were present, an archaeological survey was not performed for safety purposes.

Overall, the visible existing surface comprised of fill soils characterized as typically brown silty sand with scattered rounded fine to coarse gravel and generally loose to medium dense, which are visible within all the proposed project site as previously mentioned above. No cultural materials were identified as a result of the survey.

As previously mentioned in Geotechnical Report Review section, subsurface exploratory investigations identified fill soils at depths from surface to between 1 and 3.25 feet bgs, depending on the location investigated, at all boring/infiltration testing locations within the proposed Project site (see Table 4). The presence of the fill soil is an indication that any potential cultural material from surface to between 1 and 3.25 feet bgs, has been previously displaced from the primary depositional location, buried, or destroyed. Additionally, the presence of fill soils demonstrates that the native soils upon and within which cultural deposits would exist in context was not observed during the survey. No cultural materials were observed within any of the 13 parcels; however, due to the presence of fill soils, observation of intact native soils was not possible.

DRAFT

Sensitivity Analysis

Archaeological Sensitivity

A search of the CHRIS database for the proposed Project site and 1-mile records search area did not identify any previously recorded historic-period or prehistoric archeological resources. In addition, the CHRIS records search did not identify any previous investigations within the proposed Project site, which suggests that the entirety of the proposed Project site has not been subject to any previous archaeological investigations. According to the historical topographic maps and aerial photographs review, the proposed Project site was depicted as undeveloped as early as 1896. By 1938, the proposed Project site was in use for agricultural purposes and roadways were present. Development within the proposed Project site began as early as the 1940s with the presence of structures scattered throughout the proposed Project site, including the establishment of the formal roadways that border the proposed Project site, including Valley Boulevard, Cypress Road, and Juniper Road. Development and removal of structures/buildings within the proposed Project site continued through to the early 2010s, including the establishment of Washington Drive and a trailer park within the northeastern quadrant of the proposed Project site in 1969. By 2014, the proposed Project site had been subjected to substantial ground disturbance through grading activities and the removal of all buildings/structures, consistent with present-day site conditions.

A review of a geotechnical report prepared for the proposed Project site determined that fills soils were identified from surface to between 1 and 3.25 feet bgs within all exploratory boring/infiltration testing locations. Current Project design indicates that the depths of ground disturbance across the proposed Project site is 5 feet below the existing ground surface and up to 6 feet below the existing ground surface for underground utilities.

In consideration of all these factors, the potential to encounter intact cultural deposits containing archaeological resources within soils from the current grade and between 1 and 3.25 feet bgs is unlikely. However, the potential for intact cultural deposits to exist within native soils (below between 1 and 3.25 feet bgs) to the depths of proposed ground disturbance is unknown. In the event that unanticipated archaeological are encountered during Project implementation, impacts to these resources could be significant. As such, the following management recommendations are provided to ensure that impacts to unanticipated archaeological resources and human remains would be treated properly resulting in a less than significant impact.

Management Recommendations

The following measures have been developed to ensure that any inadvertent discovery of archaeological resources will be treated appropriately and in accordance with CEQA regulations: preconstruction training, retention of an on-call archaeologist to address inadvertent discoveries, and inadvertent discovery clause implemented and included on all construction plans. Dudek further recommends an additional survey be conducted once fill soils have been removed. If cultural materials are observed during the course of ground disturbing activities below fill soils, then subsurface testing may be required. These measures will ensure the potential Project impacts to archaeological resources and human remains would be less than significant.

DRAFT

Inadvertent Discovery of Archaeological Resources

Workers Environmental Awareness Program Training. All construction personnel and monitors who are not trained archaeologists shall be briefed regarding inadvertent discoveries prior to the start of construction activities. A basic presentation and handout or pamphlet shall be prepared in order to ensure proper identification and treatment of inadvertent discoveries. The purpose of the Workers Environmental Awareness Program (WEAP) training is to provide specific details on the kinds of archaeological materials that may be identified during construction of the Project and explain the importance of and legal basis for the protection of significant archaeological resources. Each worker shall also learn the proper procedures to follow in the event that cultural resources or human remains are uncovered during ground-disturbing activities. These procedures include work curtailment or redirection, and the immediate contact of the site supervisor and archaeological monitor.

Retention of a Qualified Archaeologist. A qualified archaeologist shall be retained and on-call to respond and address any inadvertent discoveries identified for the duration of construction activities. Additionally, in consideration of the potential to encounter intact cultural deposits beneath fill soils, the qualified archaeologist shall survey the proposed Project site once fill soils have been removed to ensure no cultural deposits underly the fill layer. If is determined, based on the survey after the removal of fill soils, that cultural resources are present or may be present that may be impacted during Project construction, monitoring may be warranted. If it is determined that monitoring is warranted, a qualified archaeological principal investigator, meeting the Secretary of the Interior's Professional Qualification Standards, should oversee and adjust monitoring efforts as needed (increase, decrease, or discontinue monitoring frequency) based on the observed potential for construction activities to encounter cultural deposits or material. The archaeological monitor will be responsible for maintaining daily monitoring logs.

Inadvertent Discovery Treatment and Protocol. In the event that archaeological resources (sites, features, or artifacts) are exposed during construction activities for the proposed Project, all construction work occurring within 50 feet of the find should immediately stop and a qualified archaeologist should notified immediately to assess the significance of the find and determine whether or not additional study is warranted. If human remains or suspected human remains are discovered, all construction work occurring within 50 feet of the find should immediately stop. Depending upon the significance of the find, the archaeologist may simply record the find and allow work to continue. If the discovery proves significant under CEQA, additional work such as preparation of an archaeological treatment plan, testing, data recovery, or monitoring may be warranted.

Within 60 days following completion of ground disturbance, an archaeological monitoring report shall be prepared and submitted to the City for review. This report should document compliance with approved mitigation, document the monitoring efforts, and include an appendix with daily monitoring logs. The final report shall be submitted to the SCCIC.

In accordance with Section 7050.5 of the California Health and Safety Code, if human remains are found, the county coroner shall be immediately notified of the discovery. No further excavation or disturbance of the site or any nearby area reasonably suspected to overlie adjacent remains shall occur until the county coroner has determined the appropriate treatment and disposition of the human remains. If the county coroner determines that the remains are, or are believed to be, Native American, he or she shall follow all required protocols according to California Public Resources Code, Section 5097.98.

DRAFT

Should you have any questions relating to this report and its findings, please do not hesitate to contact me directly at lkry@dudek.com or Heather McDaniel McDevitt at hmcdevitt@dudek.com.

Sincerely,

Linda Kry, B.A., RA
Archaeologist

Heather McDaniel McDevitt, M.A., RPA
Archaeologist

Att: *Appendix A: Figures*
Appendix B. (Confidential) SCCIC Records Search Information
Appendix *C. Previously Recorded Cultural Resources Bibliography*

cc: *Jennifer De Alba, Sean Kilkenny, Kristen Stoner, Dudek*

DRAFT

References

Calflora. 2022. What Grows Here. Accessed August 2022. https://www.calflora.org/entry/wgh.html

California Geological Survey. 2002. California Department of Conservation *California Geomorphic Provinces*. Accessed November 2022. https://www.coastal.ca.gov/coastalvoices/resources/California_Geomorphic_Provinces.pdf

Laktker, Loren. 2011. Pictorial and Historical Map of Old Los Angeles County: Key to [Kirkman Harriman 1938 Historical] Map.

NETR. 2022a. Topographic maps of Project Site, dating from 1896 - 2018. Accessed November 2022. https://www.historicaerials.com/viewer.

NETR. 2022b. Historical Aerial Photographs of Project Site, dating from 1938 - 2018. Accessed November 2022. https://www.historicaerials.com/viewer.

OHP (Office of Historic Preservation). 1995. Instructions for Recording Historical Resources. Available online October 2021. Website: http://ohp.parks.ca.gov/?page_id=1069.

SPC Geotechnical, Inc. 2019. Geotechnical Investigation - AutoFit Fontana, 16655 Valley Boulevard, Fontana, CA 92335

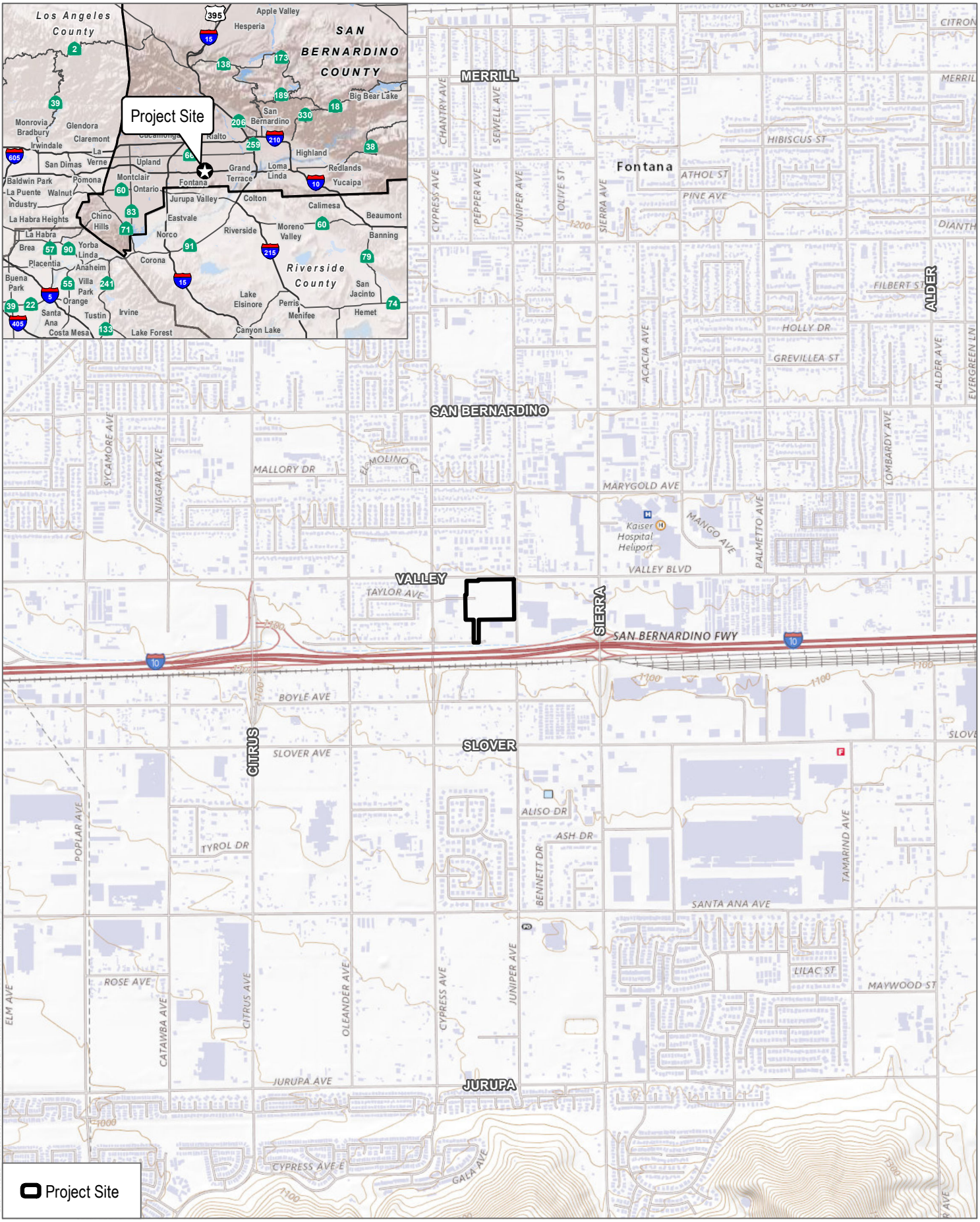
USDA (United States Department of Agriculture). 2022a. Web Soil Survey. ttps://websoilsurvey.sc.egov.usda.gov/App/HomePage.htm. Accessed August 2022.

USDA. 2022b. https://soilseries.sc.egov.usda.gov/OSD_Docs/T/TUJUNGA.html. Accessed November 2022.

DRAFT

Appendix A
Figures

DRAFT



SOURCE: USGS National Map 2022

DUDEK

0 1,000 2,000 Feet

FIGURE 1

Project Location

Jefferson Fontana Apartment Project



SOURCE: Bing Maps 2022

DUDEK

0 50 100 Feet

FIGURE 2

Project Site

Jefferson Fontana Apartment Project

Appendix B (Confidential)
SCCIC Records Search Results

DRAFT

Appendix C
Previously Recorded Cultural Resources Bibliography

DRAFT

Resource List

14386.03 JPI Fontana

Primary No.	Trinomial	Other IDs	Type	Age	Attribute codes	Recorded by	Reports
P-36-010330	CA-SBR-010330H	Resource Name - Union Pacific Railroad; Other - Southern Pacific Railroad; Other - West Line Basin Alignment; Other - Union Pacific Railroad Crossing at Anderson Street; Other - 19-186112	Structure, Object	Historic	AH07; HP39	1999 (S. Ashkar, Jones & Stokes Associates, Inc.); 2002 (Goodwin, R., LSA Associates, Inc.); 2008 (Harper, C.D., SWCA); 2010 (Tibbet, C., LSA Associates, Inc.); 2012 (Paul, Daniel D., ICF International)	SB-04335, SB-05495, SB-05614, SB-06720, SB-07451, SB-07666, SB-07955
P-36-011567	CA-SBR-011567H	Resource Name - ASM 3470-1	Structure, Site	Historic	AH02; AH03; HP33	2002 (ASM)	SB-07055
P-36-013852		Resource Name - 16111 Hunter Ave, Fontana	Building	Historic	HP02	2001 (J. Marvin, LSA Associates, Inc)	SB-04258
P-36-013853		16157-B Valley Blvd, Fontana; Resource Name - Snowden Residence	Building	Historic	HP02; HP06	2000 (J. Marvin, LSA Associates, Inc)	SB-04258
P-36-013854		16111 Valley Blvd, Fontana; Resource Name - Union 76 Gas Sta & Food Mart	Building	Historic	HP06	2001 (J. Marvin, LSA Associates, Inc)	SB-04258
P-36-013855		10129 Citrus Ave, Fontana; Resource Name - Smog Busters	Building	Historic	HP06	2001 (J. Marvin, LSA Associates, Inc)	SB-04258
P-36-013856		10161 Citrus Ave, Fontana; Resource Name - Painter Residence	Building	Historic	HP02	2000 (J. Marvin, LSA Associates, Inc.)	SB-04258
P-36-013857		10177 Citrus Ave, Fontana; Resource Name - Grey Residence	Building	Historic	HP02; HP33	2000 (J. Marvin, LSA Associates, Inc.)	SB-04258
P-36-013858		10207 Citrus Ave, Fontana; Resource Name - Baker Residence	Building	Historic	HP02	2000 (J. Marvin, LSA Associates, Inc)	SB-04258
P-36-013859		Resource Name - 16116 Washington Dr, Fontana	Building	Historic	HP02	2000 (J. Marvin, LSA Associates, Inc)	SB-04258
P-36-013860		Resource Name - 16166 Washington Dr, Fontana	Building	Historic	HP02	2000 (J. Marvin, LSA Associates, Inc)	SB-04258
P-36-013861		Resource Name - 16112 Boyle Ave, Fontana	Building	Historic	HP02	2000 (J. Marvin, LSA Associates, Inc)	SB-04258
P-36-013862		Resource Name - 10462 Citrus Ave, Fontana	Building	Historic	HP02	2000 (J. Marvin, LSA Associates, Inc)	SB-04258

Resource List

14386.03 JPI Fontana

Primary No.	Trinomial	Other IDs	Type	Age	Attribute codes	Recorded by	Reports
P-36-013863		10444 Citrus Ave, Fontana; Resource Name - Olson Residence	Building	Historic	HP02	2000 (J. Marvin, LSA Associates, Inc)	SB-04258
P-36-013864		Resource Name - 16085 Boyle Ave, Fontana	Building	Historic	HP02	2000 (J. Marvin, LSA Associates, Inc)	SB-04258
P-36-013865		16056 Valley Blvd, Fontana; Resource Name - Citrus Market	Building	Historic	HP06	2000 (J. Marvin, LSA Associates, Inc)	SB-04258
P-36-014467		9961 Sierra Ave, Fontana; Resource Name - Kaiser Fontana Medical Center Campus	Building	Historic	HP41	2008 (C. Gregory, SRI)	
P-36-020000		Resource Name - 17363 San Bernardino Ave, Fontana	Site	Historic	HP03; HP29	2002 (ALEXANDROWICZ, Archaeological Consulting Services)	SB-07309
P-36-026954		Resource Name - CRM Tech 2762-1	Building	Historic	HP02	2013 (Terri Jaquemain, CRM Tech)	SB-07580

Appendix E
Geotechnical Due Diligence Evaluation

GEOTECHNICAL DUE-DILIGENCE EVALUATION
PROPOSED JEFFERSON FONTANA MIXED-USE DEVELOPMENT
SOUTHWEST OF THE INTERSECTION OF JUNIPER AVENUE AND VALLEY BOULEVARD
CITY OF FONTANA, CALIFORNIA

Prepared For **JPI COMPANIES**
11988 El Camino Real, Suite 200
San Diego, California 92130

Prepared By **LEIGHTON AND ASSOCIATES, INC.**
10532 Acacia Street, Suite B-6
Rancho Cucamonga, California 91730

Project No. 13584.001

June 24, 2022

June 24, 2022

Project No. 13584.001

JPI Companies
11988 El Camino Real, Suite 200
San Diego, California 92130

Attention: Mr. Jay Adamowitz

Subject: Geotechnical Due-Diligence Evaluation, Proposed Jefferson Fontana Mixed-Use Development, Southwest of the Intersection of Juniper Avenue and Valley Boulevard, City of Fontana, California

In accordance with your authorization, Leighton and Associates, Inc. (Leighton) has performed a geotechnical due-diligence evaluation of the proposed Jefferson Fontana mixed-use development, located southwest of Juniper Avenue and Valley Boulevard in the City of Fontana, California (San Bernardino County Assessor's Parcel Numbers 0251-171-19, 0251-321-27, 02, 15, 16, 18, 19, 20, 21, 22, 23, 24, 25, 26, and portions of 03, 14, 29). Our evaluation included a review of the following report previously prepared for this project:

> SPC Geotechnical Inc., *Geotechnical Investigation, AutoFit Fontana, 16655 Valley Boulevard, Fontana, 92335*, Project No. SPC 8505-01, dated March 27, 2019.

Based on our evaluation, construction of the proposed development is feasible from a geotechnical standpoint, provided the recommendations presented in this report are implemented. The most significant geotechnical issues for development of this project are those related to the potential for strong seismic shaking and potentially compressible soils. Good planning and design of the project can limit the impact of these constraints. This report presents our findings, conclusions, and geotechnical recommendations for the project.

We appreciate the opportunity to work with you on the development of this project. If you have any questions regarding this report, please contact us at your convenience.

Respectfully submitted,

LEIGHTON AND ASSOCIATES, INC.



Jim Cunneen, PE, C59444
Principal Engineer



Jason D. Hertzberg, GE 2711
Principal Engineer



Steven G. Okubo, CEG 2706
Senior Project Geologist

JP/SGO/JT/JDH/rsm

Distribution: (1) Addressee

TABLE OF CONTENTS

Section **Page**

1.0 INTRODUCTION 1

1.1 Site Location and Description 1
1.2 Proposed Development 1
1.3 Purpose of Evaluation 2
1.4 Scope of Evaluation 2

2.0 FINDINGS 4

2.1 Regional Geologic Conditions 4
2.2 Subsurface Soil Conditions 4
2.2.1 Sulfate Content 5
2.2.2 Resistivity, Chloride, and pH 5
2.3 Groundwater 6
2.4 Faulting and Seismicity 6
2.4.1 Surface Faulting 6
2.4.2 Seismic Design Parameters 7
2.5 Secondary Seismic Hazards 8
2.5.1 Liquefaction Potential 8
2.5.2 Seismically Induced Settlement 9

3.0 CONCLUSIONS AND RECOMMENDATIONS 11

3.1 General Earthwork and Grading 11
3.1.1 Site Preparation 11
3.1.2 Overexcavation and Recompaction 11
3.1.3 Fill Placement and Compaction 12
3.1.4 Oversized Material 13
3.1.5 Import Fill Soil 13
3.1.6 Shrinkage and Subsidence 13
3.2 Shallow Foundation Recommendations 14
3.2.1 Minimum Embedment and Width 15
3.2.2 Allowable Bearing 15
3.2.3 Lateral Load Resistance 15
3.2.4 Increase in Bearing and Friction - Short Duration Loads 15
3.2.5 Settlement Estimates 16

3.3 Recommendations for Slabs-On-Grade 16
3.4 Post-Tensioned Foundation Recommendations 18
3.5 Seismic Design Parameters 19
3.6 Retaining Walls 19
3.7 Pavement Design 21
3.8 Temporary Excavations 22
3.9 Trench Backfill 22
3.10 Surface Drainage 23
3.11 Sulfate Attack and Corrosion Protection 23
3.12 Additional Geotechnical Services 24

4.0 LIMITATIONS 25

Figures (Rear of Text)

Figure 1 - Site Location Map
Figure 2 - Geotechnical Map
Figure 3 - Regional Geology Map
Figure 4 - Regional Faults and Historic Seismicity Map
Figure 5 - Retaining Wall Subdrain Detail

Appendices

Appendix A - References
Appendix B - SPC Exploratory Logs and Infiltration Logs
Appendix C - SPC Laboratory Test Results
Appendix D - Seismic
Appendix E - General Earthwork and Grading Specifications

1.0 INTRODUCTION

1.1 Site Location and Description

This site consists of approximately 11.9 acres of land located at the southwest corner of Juniper Avenue and Valley Boulevard in the City of Fontana, California. The property is bounded to the north by Valley Boulevard, to the east by Juniper Avenue, and to the west and south by commercial and residential properties. The southernmost end of the property is bounded by Washington Drive, with Interstate 10 farther to the south. The site is relatively flat, slopes gently towards the south, and is currently vacant and undeveloped land.

Based on review of historical imagery, a portion of the site has been historically occupied with agricultural and residential use from about 1938 to 1985 (NETR, 2022). Between 1985 and 1994, all structures were removed, and the site has remained vacant and undeveloped since.

1.2 Proposed Development

Our understanding of this project is based on information you provided to us by email on May 23, 2022, and the provided preliminary *Jefferson Fontana* plan set, prepared by Architecture Design Collaborative, dated May 23, 2022. We understand that this project will include eight, 4-level buildings planned for multi-family residential and retail purposes. Based on the plan set, we understand that this development will consist of 464 one- to three- bedroom units, a 2-story leasing and amenity building, a 4,200-square-foot retail space, a recreation area, 671 parking stalls (which includes 184 individual garages on the ground floors of the buildings), and interior drive aisles.

Previous Work

SPC Geotechnical, Inc. (SPC) conducted a preliminary geotechnical investigation at this site for a then-proposed warehouse development in 2019. Exploration for their investigation included drilling, logging, and sampling of ten (10) exploratory borings, laboratory testing of representative soil samples, and providing conclusions and geotechnical recommendations for the development as proposed at that time. Based on their subsurface exploration, laboratory testing,

and analysis, SPC provided preliminary geotechnical recommendations for design and construction.

As a part of their 2019 investigation, SPC conducted falling-head percolation testing in three borings, which extended to depths reaching approximately 3 feet below the surface. SPC's reported unfactored infiltration rates of tested soils ranged from 1.1 in./hr. to 2.0 in./hr. Infiltration testing was conducted by SPC using shallow boring percolation test method.

The approximate locations of SPC's borings and infiltration test locations are shown on Figure 2, *Geotechnical Map*. Boring logs from SPC's subsurface exploration are presented in Appendix B and results from SPC's laboratory testing are presented in Appendix C.

1.3 Purpose of Evaluation

The purpose of our geotechnical evaluation has been to evaluate geological and geotechnical conditions of the site based on a site visit to observe conditions from the surface; limited laboratory testing of a representative near-surface soil sample collected onsite; information collected from reports, maps, historical aerial imagery available from our in-house library and online; and the geotechnical report by SPC (2019) provided by you.

1.4 Scope of Evaluation

The scope of our study has included the following tasks:

- Background Review: We reviewed pertinent, readily available geologic and geotechnical literature covering the site, including the previously prepared geotechnical report pertaining to the Jefferson Fontana project (SPC, 2019). Our background review has also included regional geologic and seismic hazard maps and other online sources. Documents reviewed are listed in Appendix A.

- Site Visit: We visited the site to observe current conditions from the surface and collected a bulk sample of near-surface soils.

- Laboratory Tests: We performed laboratory testing of the collected soil sample for soil corrosivity, which included screening of resistivity, sulfate content, chloride content, and pH.

- Engineering Analysis: We analyzed data obtained from our background review, including data from previous field explorations and geotechnical laboratory testing (SPC, 2019), to develop geotechnical conclusions and provide recommendations presented in this report.

- Report Preparation: Results of our geotechnical evaluation of this project have been summarized in this report, presenting our findings, conclusions and geotechnical recommendations for design and construction of the proposed development.

2.0 FINDINGS

2.1 Regional Geologic Conditions

The site is located on a gently sloping alluvial plain descending southward from the San Gabriel and San Bernardino Mountains. This area is within the Chino Basin in the northern portion of the Peninsular Ranges geomorphic province of California. The region is an area of crustal disturbance as the relatively northwestward-migrating Peninsular Ranges Province interacts with the Transverse Ranges Province (which includes the San Gabriel Mountains) to the north. Several active or potentially active faults have been mapped in the region and are believed to accommodate compression and lateral displacement associated with this crustal interaction. Major structural features surrounding the region include the Cucamonga Fault and the San Gabriel Mountains to the north, the inferred Fontana Seismic Trend to the west, and the San Jacinto Fault to the east. The site is located approximately 6.9 miles west of an active fault relating to the San Jacinto fault zone and 7.1 miles south of the active Cucamonga Fault Zone, which accommodates uplift that forms the steep escarpment of the San Gabriel Mountains to the north relative to the basin floor to the south. The closest potentially active fault to the site is the Fontana Seismic Trend which has been inferred to trace approximately 2.0 miles to the west of the project site.

The site region is underlain by a thick accumulation of young alluvial fan deposits (Morton, 2003) consisting of pebbly and cobbly deposits that have been eroded and transported via Lytle Creek from the San Gabriel Mountains and deposited in the site vicinity.

The surficial geologic units mapped in the vicinity of the site are shown on Figure 3, *Regional Geology Map*.

2.2 Subsurface Soil Conditions

The onsite soils described by SPC (2019) included an approximately 3½-foot-thick layer of artificial fill at the surface that overlies young alluvial fan deposits to the maximum depth explored of 31.5 feet below the ground surface (bgs). Because a report documenting geotechnical observation and testing during previous rough grading is not available, we consider onsite artificial fill to be undocumented. The undocumented artificial fill onsite consisted of brown silty

fine to coarse sand with zones that included trace rounded gravel up to 2 inches in diameter, and was reported to generally be loose to medium dense. Young alluvial fan deposits were encountered below undocumented artificial fill and were described by SPC to consist of dry to moist, medium dense to very dense, brown, well-graded sand to silty sand with gravel. The gravel was found to be rounded, “fine to coarse” gravel, and generally encountered throughout the site. More detailed descriptions of the subsurface soil are presented on the exploratory logs in Appendix B.

2.2.1 Sulfate Content

Water-soluble sulfates in soil can react adversely with concrete. However, concrete in contact with soil containing sulfate concentrations of less than 0.1 percent by weight is considered to have negligible sulfate exposure based on the American Concrete Institute (ACI) provisions, adopted by the 2019 CBC (CBC. 2019 and ACI, 2014).

A near-surface soil sample was tested during our evaluation for soluble sulfate content. The result of this test indicated a sulfate content of less than 0.1 percent by weight, indicating negligible sulfate exposure (Exposure Class S0). As such, the soils exposed at pad grade are not expected to pose a significant potential for sulfate reaction with concrete.

2.2.2 Resistivity, Chloride, and pH

Soil corrosivity to ferrous metals can be estimated by the soil’s electrical resistivity, chloride content and pH. In general, soil having a minimum resistivity between 1,000 and 2,000 ohm-cm is considered corrosive, and soil having a minimum resistivity less than 1,000 ohm-cm is considered severely corrosive. Soil with a chloride content of 500 parts-per-million (ppm) or more is considered corrosive to ferrous metals.

As a screening for potentially corrosive soil, a soil sample was tested during our evaluation to determine minimum resistivity, chloride content, and pH. These tests indicated a minimum resistivity of 4,440 ohm-cm, a chloride content of 260 ppm, and a pH of 6.7 for the soils in that sample. Based on these results, the onsite soil is considered to be moderately corrosive to ferrous metals.

2.3 Groundwater

Groundwater was not observed onsite in SPC's 2019 borings that extended to depths reaching approximately 31½ feet bgs. State Well No. 01S05W20N001S located approximately 0.6 mile southeast of the site indicated a historically highest groundwater level of 268 feet bgs based on measurements taken from October 1989 to September 2021. State Well No. 01S06W24R001S located approximately 0.8 mile southwest of the site indicated a historically highest groundwater level of 322 feet bgs based on measurements taken from March 1992 to September 2021. Fife et al. (1976) reported generalized depth to groundwater in 1960 to be between 400 and 500 feet below the project site. Based on review of available regional groundwater data, groundwater is expected to be greater than 50 feet below the project site. As such, groundwater is not expected to be a constraint to the proposed development.

2.4 Faulting and Seismicity

In general, the primary seismic hazards for sites in the region include surface rupture along active faults and strong ground shaking. The potential for fault rupture and seismic shaking are discussed below.

2.4.1 Surface Faulting

No active or potentially active faults have been previously mapped across or trending towards the project site nor is the site located within a current Alquist-Priolo or County Earthquake Fault Zone. Based on published mapping and our research, no active faults have been mapped on or trending toward the site. The closest mapped active or potentially active faults are presented in the following table.

Fault Name	Approximate Distance from Site
San Jacinto	6.9 miles to the east
Cucamonga	7.1 to the north
San Andreas	11.1 miles to the northeast

Based on our collected data, the potential for future surface rupture of active faults onsite is considered very low.

2.4.2 Seismic Design Parameters

The site is anticipated to experience strong ground shaking after the proposed project is developed resulting from an earthquake occurring along one or more of the major active or potentially active faults in southern California. Accordingly, the project should be designed in accordance with applicable current codes and standards utilizing the appropriate seismic design parameters to reduce seismic risk as defined by California Geological Survey (CGS) Chapter 2 of Special Publication 117a (CGS, 2008). Through compliance with these regulatory requirements and the utilization of appropriate seismic design parameters selected by the design professionals, potential effects relating to seismic shaking can be reduced.

The following parameters should be considered for design under the 2019 CBC:

2019 CBC Parameters (CBC or ASCE 7-16 reference)	Value 2019 CBC
Site Latitude and Longitude: 34.0694, -117.4416	
Site Class Definition (1613.2.2, ASCE 7-16 Ch 20)	D**
Mapped Spectral Response Acceleration at 0.2s Period (1613.2.1), S_s	1.813 g
Mapped Spectral Response Acceleration at 1s Period (1613.2.1), S_1	0.600 g
Short Period Site Coefficient at 0.2s Period (T1613.2.3(1)), F_a	1.0
Long Period Site Coefficient at 1s Period (T1613.2.3(2)), F_v	*1.7**
Adjusted Spectral Response Acceleration at 0.2s Period (1613.2.3), S_{MS}	1.813 g
Adjusted Spectral Response Acceleration at 1s Period (1613.2.3), S_{M1}	*1.02** g
Design Spectral Response Acceleration at 0.2s Period (1613.2.4), S_{DS}	1.209 g
Design Spectral Response Acceleration at 1s Period (1613.2.4), S_{D1}	*0.68** g
Mapped MCE_G peak ground acceleration (11.8.3.2, Fig 22-9 to 13), ***PGA***	0.740 g
Site Coefficient for Mapped MCE_G *PGA* (11.8.3.2), F_{PGA}	1.1
Site-Modified Peak Ground Acceleration (1803.5.12; 11.8.3.2), PGA_M	0.814 g

* Per Table 11.4-2 of Supplement 1 of ASCE 7-16, this value of F_v may only be used to calculate T_s [that note is not included in Table 1613A.2.3(2)]; note that S_{D1} and S_{M1} are functions of F_v. In addition, per Exception 2 of 11.4.8 of ASCE 7-16, special equations for C_s are required. This is in lieu of a site-specific ground motion hazard analysis per ASCE 7-16 Chapter 21.2.

** Site Class D, and all of the resulting parameters in this table, may only be used for structures without seismic isolation or seismic damping systems.

Based on the 2019 CBC Table 1613.2.3(2) footnote c., F_v should be determined in accordance with Section 11.4.8 of ASCE 7-16, since the mapped spectral response acceleration at 1 second is greater than 0.2g for Site Class D; in accordance with Section 11.4.8 of ASCE 7-16, a site-specific seismic analysis is required. However, the values provided in the table above may be utilized if design is performed in accordance with Exception (2) in Section 11.4.8 of ASCE 7-16, with special requirements for the seismic response coefficient (C_s), and F_v is only used for calculation of T_s. This exception does not apply (and the values in the table above would not be applicable) for proposed structures with seismic isolation or seismic damping systems. The project structural engineer should review the seismic parameters. A site-specific seismic ground motion analysis can be performed upon request.

Hazard deaggregation was estimated using the USGS Interactive Deaggregations utility. The results of this analysis indicate that the predominant modal earthquake has a magnitude of approximately 8.1 (M_W) at a distance on the order of 13 kilometers for the Maximum Considered Earthquake (2% probability of exceedance in 50 years).

2.5 Secondary Seismic Hazards

In general, secondary seismic hazards for sites in the region could include soil liquefaction, earthquake-induced settlement, lateral displacement, landsliding, and earthquake-induced flooding. The potential for secondary seismic hazards at the site is discussed below.

2.5.1 Liquefaction Potential

Liquefaction is the loss of soil strength or stiffness due to a buildup of pore-water pressure during severe ground shaking. Liquefaction is associated primarily with loose (low density), saturated, fine-to-medium grained, cohesionless soils. As the shaking action of an earthquake progresses, the soil grains are rearranged, and the soil densifies within a short period of time. Rapid densification of the soil results in a buildup of pore-water pressure. When the pore-water pressure approaches the total overburden pressure, the soil reduces greatly in strength and temporarily

behaves similarly to a fluid. Effects of liquefaction can include sand boils, settlement, and bearing capacity failures below structural foundations.

The State of California has not assessed liquefaction hazards for this site. The County of San Bernardino has mapped the site to be outside of a zone of liquefaction susceptibility. Based on this and collected historic groundwater data indicating levels deeper than 50 feet bgs, onsite soils are not considered susceptible to liquefaction.

2.5.2 Seismically Induced Settlement

Seismically induced settlement consists of dry dynamic settlement (above groundwater) and liquefaction-induced settlement (below groundwater). During a strong seismic event, seismically induced settlement can occur within loose to moderately dense sandy soil due to reduction in volume during and shortly after an earthquake event. Settlement caused by ground shaking is often nonuniformly distributed, which can result in differential settlement.

We have performed analyses to estimate the potential for seismically induced settlement using the method of Tokimatsu and Seed, and based on Martin and Lew (1999), considering the maximum considered earthquake (MCE) peak ground acceleration (PGA_M) based on data obtained from previous borings that SPC conducted at the project site. Design/historic high groundwater levels of 268 feet below ground surface were used in the analysis. Based on our analysis, a potential for approximately 3.9 inches of seismic settlement is estimated at the site; however, based on our overexcavation recommendations presented later in this report, the estimated potential seismic settlement is reduced to approximately 2.8 inches. Results of our seismic settlement analysis is presented in Appendix D.

If the potential differential settlement is estimated as half of the total seismic settlement over a horizontal distance of 30 feet, this would result in a maximum of 1.4 inches of differential settlement in 30 feet (with overexcavation), or angular distortion of 0.0039L. This is below the differential settlement threshold of 0.010L for “other multi-story structures”

of Risk Category II, as listed in Table 12.13-3 of ASCE 7-16. “Other” buildings are those not constructed with concrete or masonry wall systems (i.e. wood- or steel-framed). The structural engineer should determine Structure Type and Risk Category and evaluate whether the differential settlement estimates described above are tolerable. A copy of ASCE 7-16 Table 12.13-3 is provided as follows for reference.

Table 12.13-3 Differential Settlement Threshold

Structure Type	Risk Category		
	I or II	III	IV
Single-story structures with concrete or masonry wall systems	0.0075L	0.005L	0.002L
Other single-story structures	0.015L	0.010L	0.002L
Multistory structures with concrete or masonry wall systems	0.005L	0.003L	0.002L
Other multistory structures	0.010L	0.006L	0.002L

3.0 CONCLUSIONS AND RECOMMENDATIONS

Based on our review collected data including those presented in SPC's 2019 *Geotechnical Investigation* report, construction of the proposed residential development is feasible from a geotechnical standpoint provided that the recommendations presented in this report are implemented. No severe geologic or soils related issues were identified that would preclude development of the site for the proposed improvements. The most significant geotechnical issues at the site are those related to the potential for strong seismic shaking, presence of undocumented artificial fill and potentially compressible soils. Good planning and design of the project can limit the impact of these constraints. Remedial recommendations for these and other geotechnical issues are provided in the following sections.

The recommendations contained herein are preliminary. Leighton should review site layouts of the proposed development to determine if our recommendations are applicable.

3.1 General Earthwork and Grading

All grading should be performed in accordance with the General Earthwork and Grading Specifications presented in Appendix E unless specifically revised or amended below or by future recommendations based on final development plans.

3.1.1 Site Preparation

Prior to construction, the site should be cleared of debris, which should be disposed of offsite. Any underground obstructions should be removed. Resulting cavities should be properly backfilled and compacted.

3.1.2 Overexcavation and Recompaction

To reduce the potential for adverse differential settlement of the proposed improvements, the underlying subgrade soil should be prepared in such a manner that a uniform response to the applied loads is achieved.

Prior to overexcavation and recompaction of onsite native soils, any clean undocumented artificial fill should be removed and may be used as

compacted fill for the project. Undocumented artificial fill has been estimated, based on observations of our borings, to reach depths of approximately 3.5 feet below the current ground surface. Localized areas of deeper undocumented artificial fill may be encountered during grading.

In addition to the complete removals of undocumented artificial fill onsite and for structures with shallow foundations, we recommend that onsite alluvial soils be overexcavated and recompacted to a minimum depth of 3 feet below the bottom of the proposed footings or 8 feet below existing grade, whichever is deeper. Overexcavation and recompaction should extend a minimum horizontal distance of 8 feet from perimeter edges of the proposed footings (including columns connected to the buildings), or a distance equal to the depth of overexcavation below the footings, where feasible.

Local conditions may require that deeper overexcavation be performed; such areas should be evaluated by Leighton during grading.

Areas outside these overexcavation limits planned for asphalt or concrete pavement, flatwork, and site walls, and areas to receive fill should be overexcavated to a minimum depth of 24 inches below the existing ground surface or 12 inches below the proposed subgrade, whichever is deeper. In addition, all undocumented artificial fill should be overexcavated.

After completion of the overexcavation, and prior to fill placement, the exposed surfaces should be scarified to a minimum depth of 6 inches, moisture conditioned to or slightly above optimum moisture content, and recompacted to a minimum 90 percent relative compaction, relative to the ASTM D 1557 laboratory maximum density.

3.1.3 Fill Placement and Compaction

Onsite soil to be used for compacted structural fill should be free of organic material, debris, and oversized material (greater than 8 inches in largest dimension). Any soil to be placed as fill, whether onsite or imported material, should be reviewed and possibly tested by Leighton.

All fill soil should be placed in thin, loose lifts, moisture conditioned, as necessary to near optimum moisture content, and compacted to a minimum 90 percent relative compaction. Relative compaction should be determined in accordance with ASTM Test Method D1557. Aggregate base for pavement should be compacted to a minimum of 95 percent relative compaction.

3.1.4 Oversized Material

Although materials larger than 2 inches in dimension were not reported by SPC (2019), young alluvial fan deposits in the area have the potential to include cobbles and boulders. If oversized rocks (larger than 12 inches in their largest dimension) are encountered during grading, special handling of these rocks will be recommended.

During fill placement, rocks larger than 12 inches in their largest dimension should be removed from within 3 feet of finish grade. If encountered during grading, no rocks larger than 24 inches should be placed within 10 feet of finish grade. All rocks larger than 24 inches in greatest dimension should be placed in windrows, surrounded with sandy soils and placed with copious amounts of water or disposed of properly. The rock windrows should be placed such that individual rocks are not nested and sandy soil can be worked completely around the rocks.

3.1.5 Import Fill Soil

If import soil is planned to be placed as fill, all import to be placed as fill should be geotechnically accepted by Leighton. Preferably at least 3 working days prior to proposed import to the site, the contractor should provide Leighton pertinent information of the proposed import soil, such as location of the soil, whether stockpiled or native in place, and pertinent geotechnical reports if available.

3.1.6 Shrinkage and Subsidence

The change in volume of excavated and recompacted soil varies according to soil type and location. This volume change is represented as a percentage increase (bulking) or decrease (shrinkage) in volume of fill

after removal and recompaction. Subsidence occurs as in-place soil (e.g., natural ground) is moisture-conditioned and densified to receive fill, such as in processing an overexcavation bottom. Subsidence is in addition to shrinkage due to recompaction of fill soil. Field and laboratory data used in our calculations included laboratory-measured maximum dry densities for soil types encountered at the subject site (SPC, 2019), and our experience. We preliminarily estimate the following earth volume changes will occur during grading:

Shrinkage (Approximate)	15±3 percent
Subsidence (Approximate) (overexcavation bottom processing)	0.10 foot

These estimates do not account for any removal of oversize material. The level of fill compaction, variations in the dry density of the existing soils and other factors influence the amount of volume change.

It should be noted that subsidence, as referred to above, is settlement of in-place earth materials due to heavy equipment processing. It does not refer to potential settlement due to placement of additional loads from new fill (i.e., rising of grades).

These shrinkage values are general guide values. Actual values will vary, due to the varying soil conditions and varying construction techniques. It is not possible to estimate exact values. Therefore, as with any grading project, some earthwork volume adjustments should be anticipated during grading.

3.2 Shallow Foundation Recommendations

Conventional or post-tensioned slab foundations designed in accordance with the current California Building Code (CBC) may be used for the structures onsite. Foundation recommendations are provided in the following sections for a very low expansion potential. Overexcavation and recompaction of the building pad and footing subgrade should be performed as detailed in Section 3.1.

3.2.1 Minimum Embedment and Width

Based on our preliminary investigation, footings should have a minimum embedment per code requirements, with a minimum width of 24 inches for isolated and continuous footings.

3.2.2 Allowable Bearing

An allowable bearing pressure of 2,000 pounds per square foot (psf) may be used, based on an assumed embedment depth of 12 inches and minimum width described above. This allowable bearing value may be increased by 250 psf per foot increase in depth or width to a maximum allowable bearing pressure of 3,500 psf. If higher bearing pressures are required, this should be reviewed on a case-by-case basis and may include additional overexcavation and/or soil reinforcement. These allowable bearing pressures are for total dead load and sustained live loads. Footing reinforcement should be designed by the structural engineer.

3.2.3 Lateral Load Resistance

The soil resistance available to withstand lateral loads on a shallow foundation is a function of the frictional resistance along the base of the footing and the passive resistance that may develop as the face of the structure tends to move into the soil. The allowable frictional resistance between the base of the foundation and the subgrade soil may be computed using a coefficient of friction of 0.35. This value may be increased by one-third when considering loads of short duration, such as those imposed by wind and seismic forces. The allowable passive resistance may be computed using an allowable equivalent fluid pressure of 240 pounds per cubic foot (pcf), assuming there is constant contact between the footing and undisturbed soil.

3.2.4 Increase in Bearing and Friction - Short Duration Loads

The allowable bearing pressure and coefficient of friction values may be increased by one-third when considering loads of short duration, such as those imposed by wind and seismic forces.

3.2.5 Settlement Estimates

The recommended allowable bearing pressure for shallow footings is generally based on a post-construction static settlement of 1 inch. Differential settlement is estimated to be on the order of ½ inch over a horizontal distance of 30 feet for shallow footings. Since settlement is a function of footing size and contact bearing pressure, differential settlement can be expected between adjacent columns or walls where a large differential loading condition exists. These settlement estimates should be considered by the designer during foundation design.

Seismic differential settlement is estimated to be a maximum of approximately 1.4 inches over 30 feet for the design-level earthquake, or angular distortion of 0.0039L. The structural engineer should determine the Structure Type and Risk Category and evaluate whether the differential settlement estimates described above are tolerable.

3.3 Recommendations for Slabs-On-Grade

Concrete slabs-on-grade should be designed by the structural engineer in accordance with the current CBC for soil with a low expansion potential. Where conventional light floor loading conditions exist, the following minimum recommendations should be used. More stringent requirements may be required by local agencies, the structural engineer, the architect, or the CBC. Laboratory testing should be conducted at finish grade to evaluate the expansion index of near-surface subgrade soils. In addition, slabs-on-grade should have the following minimum recommended components:

- Subgrade Moisture Conditioning: The subgrade soil should be moisture conditioned to at least 2 percentage points above optimum moisture content to a minimum depth of 12 inches prior to placing the moisture vapor retarder, steel or concrete.

- Moisture Retarder: A minimum of 15-mil moisture retarder should be placed below slabs where moisture-sensitive floor coverings or equipment is planned. The structural engineer should specify pertinent concrete design parameters and moisture migration prevention measures, such as whether a sand blotter layer should be placed over the vapor retarder. The moisture

barrier may be placed directly on subgrade provided gravel or other protruding objects that could puncture the moisture retarder are removed from the subgrade prior to placement. Moisture retarders can reduce, but not eliminate moisture vapor rise from the underlying soils up through the slab. Moisture retarders should be designed and constructed in accordance with applicable American Concrete Institute, Portland Cement Association, Post-Tensioning Institute, ASTM International, and California Building Code requirements and guidelines.

- Concrete and Structural Design Thickness: Slabs-on-grade should be designed by the structural engineer, but should be at least 4 inches thick (this is referring to the actual minimum thickness, not the nominal thickness). Reinforcing steel should be designed by the structural engineer, but as a minimum (for conventionally reinforced slabs) should be No. 3 rebar placed at 18 inches on center, each direction, mid-depth in the slab.

  Minor cracking of the concrete as it cures, due to drying and shrinkage, is normal and should be expected. However, cracking is often aggravated by a high water/cement ratio, high concrete temperature at the time of placement, small nominal aggregate size, and rapid moisture loss due to hot, dry, and/or windy weather conditions during placement and curing. Cracking due to temperature and moisture fluctuations can also be expected. Low slump concrete can reduce the potential for shrinkage cracking. Additionally, our experience indicates that reinforcement in slabs and foundations can generally reduce the potential for concrete cracking. The structural engineer should consider these components in slab design and specifications.

  Moisture retarders can reduce, but not eliminate moisture vapor rise from the underlying soils up through the slab. Floor covering manufacturers should be consulted for specific recommendations.

  Leighton does not practice in the field of moisture vapor transmission evaluation, since this is not specifically a geotechnical issue. Therefore, we recommend that a qualified person, such as the flooring subcontractor and/or structural engineer, be consulted with to evaluate the general and specific moisture vapor transmission paths and any impact on the proposed construction. That person should provide recommendations for mitigation of

potential adverse impact of moisture vapor transmission on various components of the structures as deemed appropriate.

3.4 Post-Tensioned Foundation Recommendations

Post-tensioned foundations for soils with a *very low potential for expansion* should be designed by a qualified structural engineer in accordance with the 2019 CBC (current code) and may use the spanability method. Expansion index (EI) should be confirmed upon completion of grading.

For post-tension slab foundations, exterior footings (thickened edges) should have a minimum depth of 12 inches below the lowest adjacent soil grade and a minimum width of 12 inches. These footings may be designed for a maximum allowable bearing pressure of 2,000 pounds per square foot. The allowable bearing pressure may be increased by one-third for short-term loading. A lateral sliding coefficient of 0.35 may be used in the design. The recommended slab design parameters are based on the Post-Tensioning Institute Design of Post-Tensioned Slabs-on Ground, 3rd Edition with 2008 supplement (PTI DC10.1-08). The structural engineer should also design the post-tensioned slabs with adequate stiffness to minimize potential cracking in the slabs.

The Post-Tensioning Institute (PTI) has recommended the following guidelines for residential development:

- Initial landscaping should be done on all sides adjacent to the foundation. Positive drainage away from the foundation should be implemented and maintained.
- Irrigation watering should be done in a uniform manner as equally as possible on all sides of the foundation to maintain constant soil moisture content. Ponding of irrigation or rainfall water adjacent to the foundation slab can cause differential soil moisture levels potentially leading to differential movements.
- Planting trees closer to the structure than a distance equal to one-half the mature height of the tree could allow the root system to enter under the foundation. The root system could alter the soil moisture content within the soil and cause soil shrinkage, which may lead to differential movements of

the foundation. A landscape architect should be consulted and made aware of these recommendations.

Based on the time of year and characteristics of onsite materials, near surface soils to a depth of at least 2 feet will dry rapidly during hot windy weather. Therefore, it is critical to long term performance of the foundations that the soil-moisture prior to construction and around the immediate perimeter of the slab after construction be maintained at 2 percent above optimum moisture content up through occupancy of the homes. All fill soils should be compacted to a minimum of 90 percent relative compaction.

3.5 Seismic Design Parameters

Seismic parameters presented in this report should be considered during project design. In order to reduce the effects of ground shaking produced by regional seismic events, seismic design should be performed in accordance with the current CBC. The CBC seismic design parameters listed in Section 2.4 of this report should be considered for the seismic analysis of the subject site.

3.6 Retaining Walls

The location and heights of retaining walls are not known at this time. The recommendation contained herein are applicable for retaining walls lower than 6 feet in retained soil height. We recommend that retaining walls be backfilled with very low expansive soil and constructed with a backdrain in accordance with the recommendations provided on Figure 5 (rear of text). Using expansive soil as retaining wall backfill will result in higher lateral earth pressures exerted on the wall. Based on these recommendations, the following parameters may be used for the design of conventional retaining walls up to 6 feet tall:

Static Equivalent Fluid Weight (pcf)	
Condition	Level Backfill
Active	38 pcf
At-Rest	58 pcf
Passive (allowable)	260 pcf (Maximum of 3,500 psf)

The above values do not contain an appreciable factor of safety, so the structural engineer should apply the applicable factors of safety and/or load factors during design.

Cantilever walls that are designed to yield at least 0.001H, where H is equal to the wall height, may be designed using the active condition. Rigid walls and walls braced at the top should be designed using the at-rest condition.

Passive pressure is used to compute soil resistance to lateral structural movement. In addition, for sliding resistance, a frictional resistance coefficient of 0.35 may be used at the concrete and soil interface. The lateral passive resistance should be taken into account only if it is ensured that the soil providing passive resistance, embedded against the foundation elements, will remain intact with time.

In addition to the above lateral forces due to retained earth, surcharge due to improvements, such as an adjacent structure or traffic loading, should be considered in the design of the retaining wall. Loads applied within a 1:1 projection from the surcharging structure on the stem of the wall should be considered in the design. A third of uniform vertical surcharge-loads should be applied at the surface as a horizontal pressure on cantilever (active) retaining walls, while half of uniform vertical surcharge-loads should be applied as a horizontal pressure on braced (at-rest) retaining walls. To account for automobile parking surcharge, we suggest that a uniform horizontal pressure of 100 psf (for restrained walls) or 70 psf (for cantilever walls) be added for design, where autos are parked within a horizontal distance behind the retaining wall less than the height of the retaining wall stem.

For walls with a retained height over 6 feet, or where otherwise required by Code or deemed appropriate by the structural engineer, we recommend that the wall designs be checked seismically using an additive seismic Equivalent Fluid Pressure (EFP) of 25 pcf, which is added to the active EFP. The additive seismic EFP should be applied at the retained midpoint.

Conventional retaining wall footings should have a minimum width of 24 inches and a minimum embedment of 12 inches below the lowest adjacent grade. An allowable bearing pressure of 2,000 psf may be used for retaining wall footing design, based on the minimum footing width and depth. This bearing value may

be increased by 250 psf per foot increase in width or depth to a maximum allowable bearing pressure of 3,500 psf.

3.7 Pavement Design

Based on the design procedures outlined in the current Caltrans Highway Design Manual, and using an assumed design R-value of 50, flexible pavement sections may consist of the following for the Traffic Indices indicated. Final pavement design should be based on the Traffic Index determined by the project civil engineer and R-value testing provided near the end of grading.

Asphalt Pavement Section Thickness, Type I Subgrade Soil			
Traffic Index (Street Type)*	Asphaltic Concrete (AC) Thickness (inches)	Class 2 Aggregate Base Thickness (inches)	Total Pavement Section Thickness (inches)
5.5 (Local)	3.0	4.0	7.0
6.5 (Collector)	4.5**	4.0	8.5
9.0 (Secondary Highway)	6.5**	5.0	11.5

*As indicated in the City of Fontana's Street Design Requirements, Standard Plan No. 402

** Minimum asphalt thickness is 4.5 inches for collector streets and 6.5 inches for secondary highways as indicated in the City of Fontana's Typical Undivided Street Sections, Standard Plan No. 400

All pavement construction should be performed in accordance with the Standard Specifications for Public Works Construction or Caltrans Specifications. Field observations and periodic testing, as needed during placement of the base course materials, should be undertaken to ensure that the requirements of the standard specifications are fulfilled.

Prior to placement of aggregate base, the subgrade soil should be processed to a minimum depth of 6 inches, moisture-conditioned, as necessary, and recompacted to a minimum of 95 percent relative compaction. Aggregate base should be moisture conditioned, as necessary, and compacted to a minimum of 95 percent relative compaction.

If the pavement is to be constructed prior to construction of the structures, we recommend that the full depth of the pavement section be placed in order to support heavy construction traffic.

3.8 Temporary Excavations

All temporary excavations, including utility trenches, retaining wall excavations and other excavations should be performed in accordance with project plans, specifications and all OSHA requirements.

No surcharge loads should be permitted within a horizontal distance equal to the height of cut or 5 feet, whichever is greater from the top of the slope, unless the cut is shored appropriately. Excavations that extend below an imaginary plane inclined at 45 degrees below the edge of any adjacent existing site foundation should be properly shored to maintain support of the adjacent structures.

Cantilever shoring should be designed based on an active equivalent fluid pressure of 40 pcf. If excavations are braced at the top and at specific design intervals, the active pressure may then be approximated by a rectangular soil pressure distribution with the pressure per foot of width equal to 25H, where H is equal to the depth of the excavation being shored.

During construction, the soil conditions should be regularly evaluated to verify that conditions are as anticipated. The contractor should be responsible for providing the "competent person" required by OSHA, standards to evaluate soil conditions. Close coordination between the competent person and the geotechnical engineer should be maintained to facilitate construction while providing safe excavations.

3.9 Trench Backfill

Utility-type trenches onsite can be backfilled with the onsite material, provided it is free of debris, significant organic material and oversized material. Prior to backfilling the trench, pipes should be bedded and shaded in a granular material that has a sand equivalent of 30 or greater. The sand should extend 12 inches above the top of the pipe. The bedding/shading sand should be densified in-place by mechanical means, or in accordance with Greenbook specifications. If gravel or open-graded rock is used as bedding or shading, it should be wrapped

in Mirafi 140N filter fabric to prevent soil from washing into the rock over the life of the project. The native backfill should be placed in loose layers, moisture conditioned, as necessary, and mechanically compacted using a minimum standard of 90 percent relative compaction. The thickness of layers should be based on the compaction equipment used in accordance with the Standard Specifications for Public Works Construction (Greenbook).

3.10 Surface Drainage

Inadequate control of runoff water and/or poorly controlled irrigation can cause the onsite soils to expand and/or shrink, producing heaving and/or settlement of foundations, flatwork, walls, and other improvements. Maintaining adequate surface drainage, proper disposal of runoff water, and control of irrigation should help reduce the potential for future soil moisture problems.

Positive surface drainage should be designed to be directed away from foundations and toward approved drainage devices, such as gutters, paved drainage swales, or watertight area drains and collector pipes.

Surface drainage should be provided to prevent ponding of water adjacent to the structures. In general, the area around the buildings should slope away from the building. We recommend that unpaved landscaped areas adjacent to the buildings be avoided. Roof runoff should be carried to suitable drainage outlets by watertight drain pipes or over paved areas.

3.11 Sulfate Attack and Corrosion Protection

Based on the results of laboratory testing performed, concrete structures in contact with the onsite soil will have “negligible” exposure (Exposure Class S0) to water-soluble sulfates in the soil. Therefore, concrete structures in contact with the on-site soils may be designed for negligible sulfate exposure (Exposure Class S0) in accordance with ACI 318 (ACI, 2014). If the concrete is expected to be in contact with reclaimed water, Type V cement and a water/cement ratio of 0.45 should be used.

The onsite soil is considered to be moderately corrosive to ferrous metals. Corrosion information presented in this report should be provided to your underground utility subcontractors. Further testing for soluble sulfate content

should be conducted near or at the completion of the rough grading to verify the above.

3.12 Additional Geotechnical Services

The preliminary geotechnical recommendations presented in this report are based on subsurface conditions as interpreted from limited subsurface explorations and limited laboratory testing. Our geotechnical recommendations provided in this report are based on information available at the time the report was prepared and may change as plans are developed. Additional geotechnical investigation and analysis may be required based on final improvement plans. Leighton should review the site and grading plans when available and comment further on the geotechnical aspects of the project. Geotechnical observation and testing should be conducted during excavation and all phases of grading operations. Our conclusions and preliminary recommendations should be reviewed and verified by Leighton and Associates, Inc. during construction and revised accordingly if geotechnical conditions encountered vary from our preliminary findings and interpretations.

Geotechnical observation and testing should be provided:

- After completion of site clearing.
- During overexcavation of compressible soil.
- During compaction of all fill materials.
- After excavation of all footings and prior to placement of concrete.
- During utility trench backfilling and compaction.
- During pavement subgrade and base preparation.
- When any unusual conditions are encountered.

4.0 LIMITATIONS

This due-diligence report was based in part on data obtained from SPC's 2019 *Geotechnical Investigation* report, site visits, samples, and tests. Such information is, by necessity, incomplete. The nature of many sites is such that differing soil or geologic conditions can be present within small distances and under varying climatic conditions. Changes in subsurface conditions can and do occur over time. Therefore, our findings, conclusions, and recommendations presented in this report are based on the assumption that Leighton and Associates, Inc. will provide geotechnical observation and testing during construction.

This report was prepared for the sole use of JPI Companies, for application to the design of the proposed residential development in accordance with generally accepted geotechnical engineering practices at this time in California.

See the GBA insert on the following page for important information about this geotechnical engineering report.

Important Information about This

Geotechnical-Engineering Report

Subsurface problems are a principal cause of construction delays, cost overruns, claims, and disputes.

While you cannot eliminate all such risks, you can manage them. The following information is provided to help.

The Geoprofessional Business Association (GBA) has prepared this advisory to help you – assumedly a client representative – interpret and apply this geotechnical-engineering report as effectively as possible. In that way, clients can benefit from a lowered exposure to the subsurface problems that, for decades, have been a principal cause of construction delays, cost overruns, claims, and disputes. If you have questions or want more information about any of the issues discussed below, contact your GBA-member geotechnical engineer. Active involvement in the Geoprofessional Business Association exposes geotechnical engineers to a wide array of risk-confrontation techniques that can be of genuine benefit for everyone involved with a construction project.

Geotechnical-Engineering Services Are Performed for Specific Purposes, Persons, and Projects

Geotechnical engineers structure their services to meet the specific needs of their clients. A geotechnical-engineering study conducted for a given civil engineer will not likely meet the needs of a civil-works constructor or even a different civil engineer. Because each geotechnical-engineering study is unique, each geotechnical-engineering report is unique, prepared *solely* for the client. *Those who rely on a geotechnical-engineering report prepared for a different client can be seriously misled*. No one except authorized client representatives should rely on this geotechnical-engineering report without first conferring with the geotechnical engineer who prepared it. *And no one – not even you – should apply this report for any purpose or project except the one originally contemplated.*

Read this Report in Full

Costly problems have occurred because those relying on a geotechnical-engineering report did not read it *in its entirety*. Do not rely on an executive summary. Do not read selected elements only. *Read this report in full.*

You Need to Inform Your Geotechnical Engineer about Change

Your geotechnical engineer considered unique, project-specific factors when designing the study behind this report and developing the confirmation-dependent recommendations the report conveys. A few typical factors include:

- the client's goals, objectives, budget, schedule, and risk-management preferences;
- the general nature of the structure involved, its size, configuration, and performance criteria;
- the structure's location and orientation on the site; and
- other planned or existing site improvements, such as retaining walls, access roads, parking lots, and underground utilities.

Typical changes that could erode the reliability of this report include those that affect:

- the site's size or shape;
- the function of the proposed structure, as when it's changed from a parking garage to an office building, or from a light-industrial plant to a refrigerated warehouse;
- the elevation, configuration, location, orientation, or weight of the proposed structure;
- the composition of the design team; or
- project ownership.

As a general rule, *always* inform your geotechnical engineer of project changes – even minor ones – and request an assessment of their impact. *The geotechnical engineer who prepared this report cannot accept responsibility or liability for problems that arise because the geotechnical engineer was not informed about developments the engineer otherwise would have considered.*

This Report May Not Be Reliable

Do not rely on this report if your geotechnical engineer prepared it:

- for a different client;
- for a different project;
- for a different site (that may or may not include all or a portion of the original site); or
- before important events occurred at the site or adjacent to it; e.g., man-made events like construction or environmental remediation, or natural events like floods, droughts, earthquakes, or groundwater fluctuations.

Note, too, that it could be unwise to rely on a geotechnical-engineering report whose reliability may have been affected by the passage of time, because of factors like changed subsurface conditions; new or modified codes, standards, or regulations; or new techniques or tools. *If your geotechnical engineer has not indicated an "apply-by" date on the report, ask what it should be*, and, in general, *if you are the least bit uncertain* about the continued reliability of this report, contact your geotechnical engineer before applying it. A minor amount of additional testing or analysis – if any is required at all – could prevent major problems.

Most of the "Findings" Related in This Report Are Professional Opinions

Before construction begins, geotechnical engineers explore a site's subsurface through various sampling and testing procedures. *Geotechnical engineers can observe actual subsurface conditions only at those specific locations where sampling and testing were performed*. The data derived from that sampling and testing were reviewed by your geotechnical engineer, who then applied professional judgment to form opinions about subsurface conditions throughout the site. Actual sitewide-subsurface conditions may differ – maybe significantly – from those indicated in this report. Confront that risk by retaining your geotechnical engineer to serve on the design team from project start to project finish, so the individual can provide informed guidance quickly, whenever needed.

This Report's Recommendations Are Confirmation-Dependent

The recommendations included in this report – including any options or alternatives – are confirmation-dependent. In other words, *they are not final*, because the geotechnical engineer who developed them relied heavily on judgment and opinion to do so. Your geotechnical engineer can finalize the recommendations *only after observing actual subsurface conditions* revealed during construction. If through observation your geotechnical engineer confirms that the conditions assumed to exist actually do exist, the recommendations can be relied upon, assuming no other changes have occurred. *The geotechnical engineer who prepared this report cannot assume responsibility or liability for confirmation-dependent recommendations if you fail to retain that engineer to perform construction observation.*

This Report Could Be Misinterpreted

Other design professionals' misinterpretation of geotechnical-engineering reports has resulted in costly problems. Confront that risk by having your geotechnical engineer serve as a full-time member of the design team, to:

- confer with other design-team members,
- help develop specifications,
- review pertinent elements of other design professionals' plans and specifications, and
- be on hand quickly whenever geotechnical-engineering guidance is needed.

You should also confront the risk of constructors misinterpreting this report. Do so by retaining your geotechnical engineer to participate in prebid and preconstruction conferences and to perform construction observation.

Give Constructors a Complete Report and Guidance

Some owners and design professionals mistakenly believe they can shift unanticipated-subsurface-conditions liability to constructors by limiting the information they provide for bid preparation. To help prevent the costly, contentious problems this practice has caused, include the complete geotechnical-engineering report, along with any attachments or appendices, with your contract documents, *but be certain to note conspicuously that you've included the material for informational purposes only*. To avoid misunderstanding, you may also want to note that "informational purposes" means constructors have no right to rely on the interpretations, opinions, conclusions, or recommendations in the report, but they may rely on the factual data relative to the specific times, locations, and depths/elevations referenced. Be certain that constructors know they may learn about specific project requirements, including options selected from the report, *only* from the design drawings and specifications. Remind constructors that they may perform their own studies if they want to, and *be sure to allow enough time* to permit them to do so. Only then might you be in a position to give constructors the information available to you, while requiring them to at least share some of the financial responsibilities stemming from unanticipated conditions. Conducting prebid and preconstruction conferences can also be valuable in this respect.

Read Responsibility Provisions Closely

Some client representatives, design professionals, and constructors do not realize that geotechnical engineering is far less exact than other engineering disciplines. That lack of understanding has nurtured unrealistic expectations that have resulted in disappointments, delays, cost overruns, claims, and disputes. To confront that risk, geotechnical engineers commonly include explanatory provisions in their reports. Sometimes labeled "limitations," many of these provisions indicate where geotechnical engineers' responsibilities begin and end, to help others recognize their own responsibilities and risks. *Read these provisions closely*. Ask questions. Your geotechnical engineer should respond fully and frankly.

Geoenvironmental Concerns Are Not Covered

The personnel, equipment, and techniques used to perform an environmental study – e.g., a "phase-one" or "phase-two" environmental site assessment – differ significantly from those used to perform a geotechnical-engineering study. For that reason, a geotechnical-engineering report does not usually relate any environmental findings, conclusions, or recommendations; e.g., about the likelihood of encountering underground storage tanks or regulated contaminants. *Unanticipated subsurface environmental problems have led to project failures*. If you have not yet obtained your own environmental information, ask your geotechnical consultant for risk-management guidance. As a general rule, *do not rely on an environmental report prepared for a different client, site, or project, or that is more than six months old.*

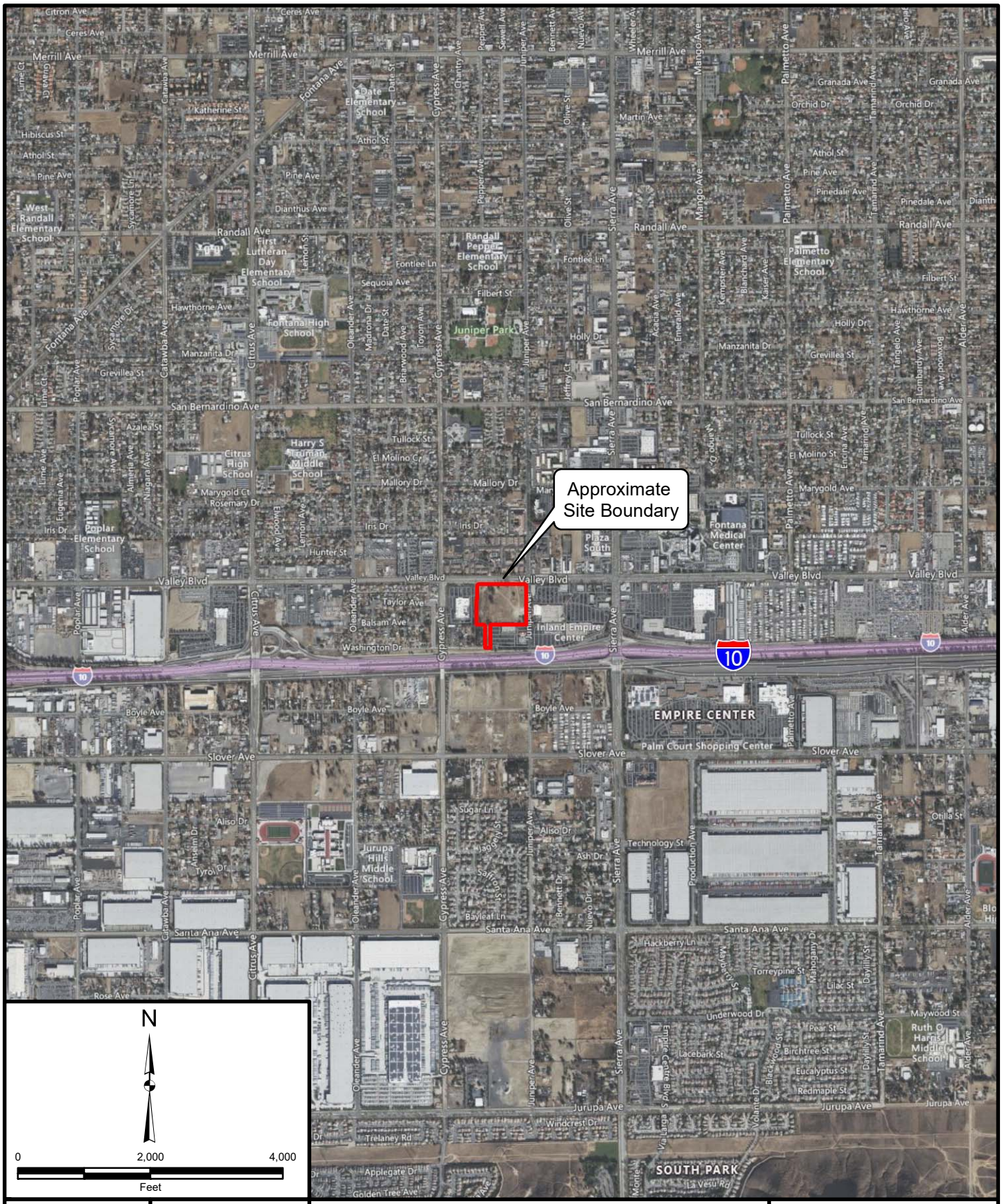
Obtain Professional Assistance to Deal with Moisture Infiltration and Mold

While your geotechnical engineer may have addressed groundwater, water infiltration, or similar issues in this report, none of the engineer's services were designed, conducted, or intended to prevent uncontrolled migration of moisture – including water vapor – from the soil through building slabs and walls and into the building interior, where it can cause mold growth and material-performance deficiencies. Accordingly, ***proper implementation of the geotechnical engineer's recommendations will not of itself be sufficient to prevent moisture infiltration.*** Confront the risk of moisture infiltration by including building-envelope or mold specialists on the design team. ***Geotechnical engineers are not building-envelope or mold specialists.***

GEOPROFESSIONAL BUSINESS ASSOCIATION

Telephone: 301/565-2733
e-mail: info@geoprofessional.org www.geoprofessional.org

Copyright 2016 by Geoprofessional Business Association (GBA). Duplication, reproduction, or copying of this document, in whole or in part, by any means whatsoever, is strictly prohibited, except with GBA's specific written permission. Excerpting, quoting, or otherwise extracting wording from this document is permitted only with the express written permission of GBA, and only for purposes of scholarly research or book review. Only members of GBA may use this document or its wording as a complement to or as an element of a report of any kind. Any other firm, individual, or other entity that so uses this document without being a GBA member could be committing negligent



Project: 13584.001	Eng/Geol: JDH/SGO
Scale:1 " = 2,000 '	Date: June 2022

Reference: © 2022 Microsoft Corporation © 2022 Maxar ©CNES (2022) Distribution Airbus

SITE LOCATION MAP

Proposed Jefferson Fontana Mixed-use Residential Development
Southwest of the Intersection of Juniper Avenue and Valley Boulevard
City of Fontana, California

FIGURE 1

Leighton

Map Saved as J:\Drafting\13584\001\Maps\Geotech Report\13584-001_F01_SLM_2022-06-17.mxd on 6/17/2022 2:24:57 PM Author: KVM (btran)



N

0 100 200

Feet

LEGEND

B-7 — Approximate location of boring

I-3 — Approximate location of infiltration test

Approximate Site Boundary

Project: 13584.001	Eng/Geol: JDH/SGO
Scale: 1 " = 100 '	Date: June 2022

Base Map: Site Plan, Sheet A1.0, dated 05/23/2022 by Architecture Design Collaborative (ADC)

Author: (btran)

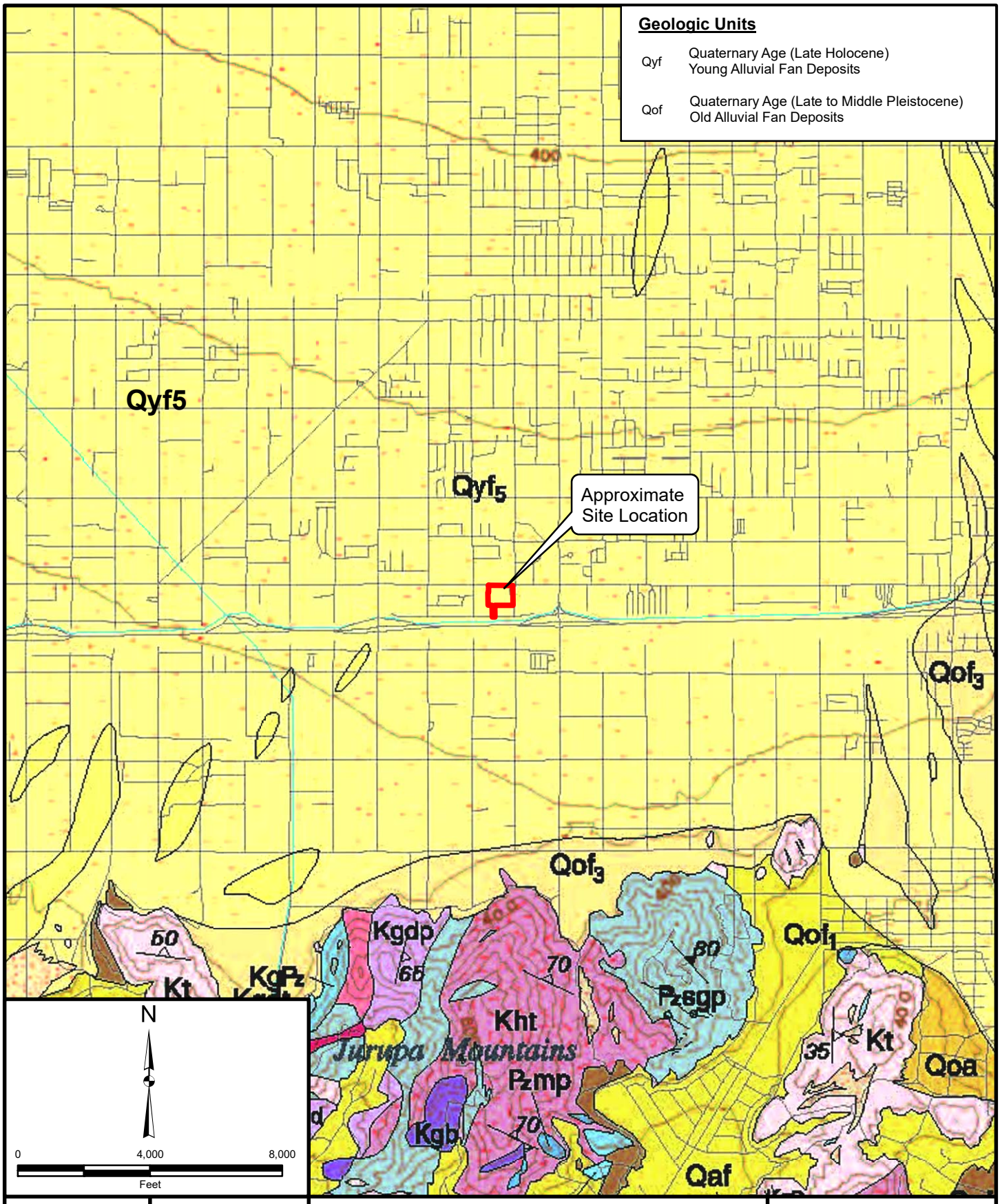
GEOTECHNICAL MAP

Proposed Jefferson Fontana Mixed-use Residential Development
Southwest of the Intersection of Juniper Avenue and Valley Boulevard
City of Fontana, California

FIGURE 2

Leighton

Map Saved as J:\Drafting\13584\001\Maps\Geotech Report\13584-001_F02_GM_2022-06-17.mxd on 6/17/2022 3:49:06 PM



Project: 13584.001	Eng/Geol: JDH/SGO
Scale: 1 " = 4,000 '	Date: June 2022

Reference: Geologic Map of the San Bernardino and Santa Ana Quadrangles, compiled by Douglas M. Morton and Fred K. Miller, 2006

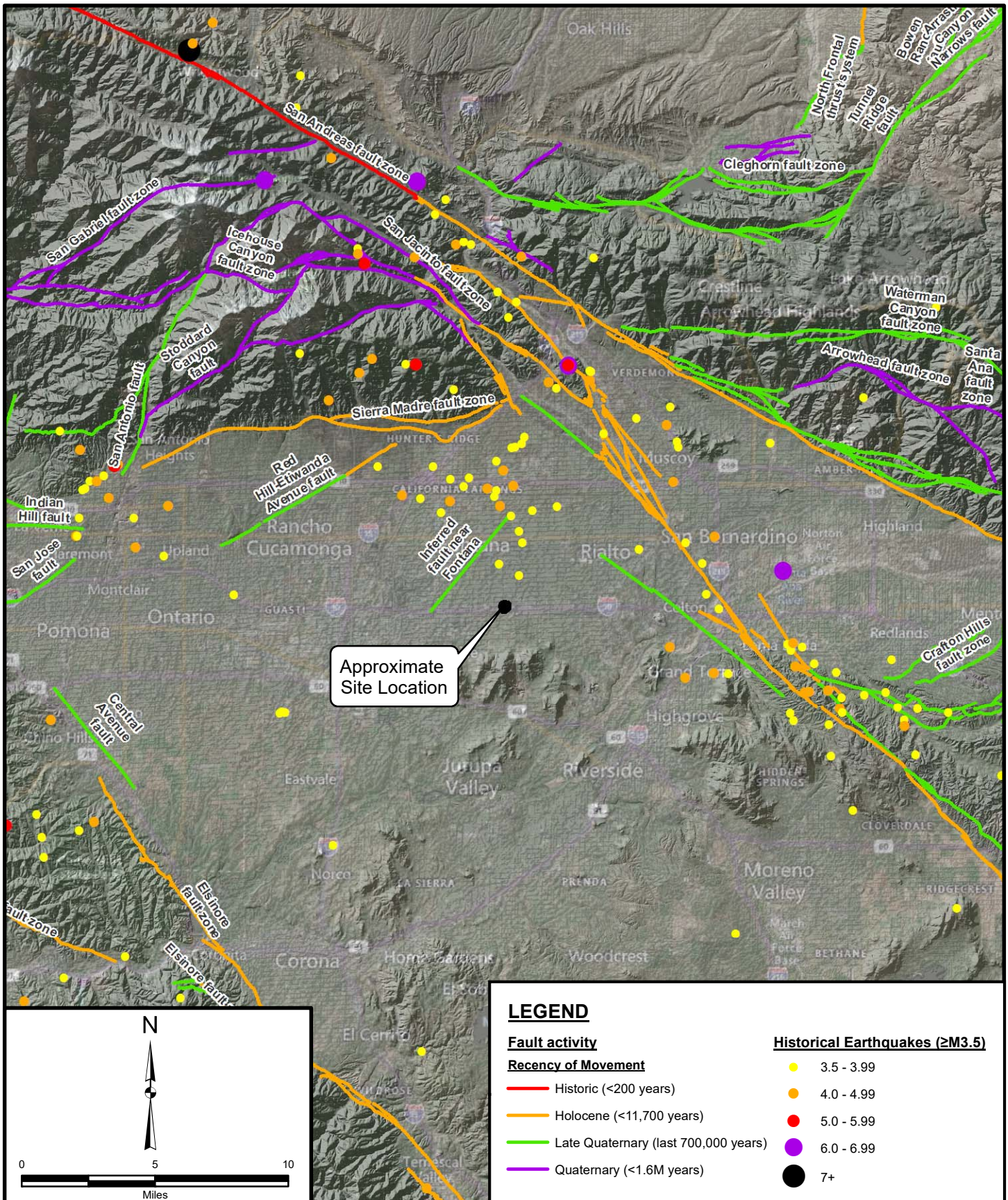
REGIONAL GEOLOGY MAP

Proposed Jefferson Fontana Mixed-use Residential Development
Southwest of the Intersection of Juniper Avenue and Valley Boulevard
City of Fontana, California

FIGURE 3

Leighton

Map Saved as J:\Drafting\13584\001\Maps\Geotech Report\13584-001_F03_RGM_2022-06-17.mxd on 6/17/2022 2:29:19 PM Author: KVM (btran)



N

0 5 10

Miles

LEGEND

Fault activity

Recency of Movement

- Historic (<200 years)
- Holocene (<11,700 years)
- Late Quaternary (last 700,000 years)
- Quaternary (<1.6M years)

Historical Earthquakes (≥M3.5)

- 3.5 - 3.99
- 4.0 - 4.99
- 5.0 - 5.99
- 6.0 - 6.99
- 7+

Project: 13584.001	Eng/Geol: JDH/SGO
Scale: 1 " = 5 miles	Date: June 2022

Basemap Reference: © 2022 Microsoft Corporation
Earthstar Geographics SIO © 2022 TomTom
Seismicity Data Reference: maps.conservation.ca.gov

REGIONAL FAULT AND HISTORIC SEISMICITY MAP

Proposed Jefferson Fontana Mixed-use Residential Development
Southwest of the Intersection of
Juniper Avenue and Valley Boulevard
City of Fontana, California

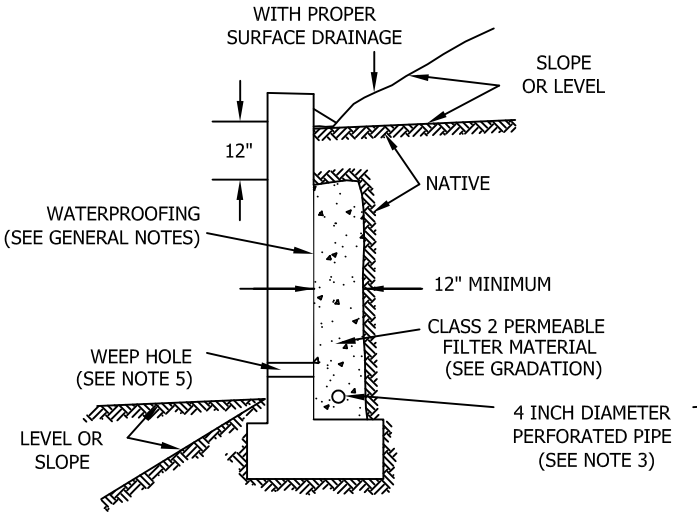
FIGURE 4

Leighton

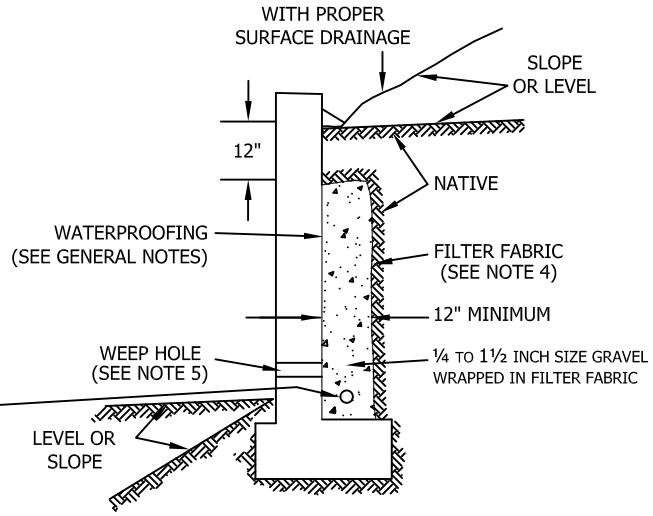
Map Saved as J:\Drafting\13584\001\Maps\Geotech Report\13584-001_F04_RFHSM_2022-06-17.mxd on 6/17/2022 2:32:54 PM Author: KVM (btran)

SUBDRAIN OPTIONS AND BACKFILL WHEN NATIVE MATERIAL HAS EXPANSION INDEX OF ≤50

OPTION 1: PIPE SURROUNDED WITH CLASS 2 PERMEABLE MATERIAL



OPTION 2: GRAVEL WRAPPED IN FILTER FABRIC



Class 2 Filter Permeable Material Gradation
Per Caltrans Specifications

Sieve Size	Percent Passing
1"	100
3/4"	90-100
3/8"	40-100
No. 4	25-40
No. 8	18-33
No. 30	5-15
No. 50	0-7
No. 200	0-3

GENERAL NOTES:

* Waterproofing should be provided where moisture nuisance problem through the wall is undesirable.
* Water proofing of the walls is not under purview of the geotechnical engineer
* All drains should have a gradient of 1 percent minimum
*Outlet portion of the subdrain should have a 4-inch diameter solid pipe discharged into a suitable disposal area designed by the project engineer. The subdrain pipe should be accessible for maintenance (rodding)
*Other subdrain backfill options are subject to the review by the geotechnical engineer and modification of design parameters.

Notes:
1) Sand should have a sand equivalent of 30 or greater and may be densified by water jetting.
2) 1 Cu. ft. per ft. of 1/4- to 1 1/2-inch size gravel wrapped in filter fabric
3) Pipe type should be ASTM D1527 Acrylonitrile Butadiene Styrene (ABS) SDR35 or ASTM D1785 Polyvinyl Chloride plastic (PVC), Schedule 40, Armco A2000 PVC, or approved equivalent. Pipe should be installed with perforations down. Perforations should be 3/8 inch in diameter placed at the ends of a 120-degree arc in two rows at 3-inch on center (staggered)
4) Filter fabric should be Mirafi 140NC or approved equivalent.
5) Weephole should be 3-inch minimum diameter and provided at 10-foot maximum intervals. If exposure is permitted, weepholes should be located 12 inches above finished grade. If exposure is not permitted such as for a wall adjacent to a sidewalk/curb, a pipe under the sidewalk to be discharged through the curb face or equivalent should be provided. For a basement-type wall, a proper subdrain outlet system should be provided.
6) Retaining wall plans should be reviewed and approved by the geotechnical engineer.
7) Walls over six feet in height are subject to a special review by the geotechnical engineer and modifications to the above requirements.

RETAINING WALL BACKFILL AND SUBDRAIN DETAIL FOR WALLS 6 FEET OR LESS IN HEIGHT

WHEN NATIVE MATERIAL HAS EXPANSION INDEX OF ≤50

Leighton

Figure 5

P:\Drafting\templates\details\retain-wall-backfill-and subdrain.dwg (7/00)

APPENDIX A

REFERENCES

APPENDIX A

References

American Concrete Institute (ACI), 2014, Building Code Requirements for Structural Concrete (ACI 318-14) and Commentary (ACE 318R-14), an ACI Standard.

California Building Standards Commission, 2019, 2019 California Building Code, California Code of Regulations, Title 24, Part 2, Volume 2 of 2, Based on 2018 International Building Code, Effective January 1, 2020.

California Department of Water Resources, 2022, California Statewide Groundwater Elevation Monitoring (CASGEM) Program, website: https://www.casgem.water.ca.gov/OSS/, accessed June 15, 2022.

Fife, D.L., Morton, D.M., 1976, Geologic Hazards in Southwestern San Bernardino County, California, California Division of Mines and Geology Special Report 113.

Morton, D.M., 2003, Preliminary Geologic Map of the Fontana 7.5' Quadrangle, Riverside and San Bernardino Counties, California, U.S. Geological Survey Open-File Report OF-2003-418, scale 1:24,000.

Office of Statewide Health Planning and Development (OSHPD) and Structural Engineers Association of California (SEAOC), 2021, Seismic Design Maps website: https://seismicmaps.org, accessed June 15, 2022.

Public Works Standard, Inc., 2018, Greenbook, Standard Specifications for Public Works Construction: BNI Building News, Anaheim, California.

SPC Geotechnical Inc., Geotechnical Investigation, AutoFit Fontana, 16655 Valley Boulevard, Fontana, 92335, Project No. SPC 8505-01, dated March 27, 2019.

United States Geologic Survey (USGS), 2021, Earthquake Hazards Program, Unified Hazard Tool, website: https://earthquake.usgs.gov/hazards/interactive, accessed June 22, 2022.

Youd, T.L., Idriss, I.M., Andrus, R.D., Arango, I., Castro, G., Christian, J.T., Dobry, R., Finn, L., Harder, L.F., Hynes, M.E., Ishihara, K., Koester, J.P., Liao, S.C., Marcuson, W.F. III, Martin, G.R., Mitchell, J.K., Moriwaki, Y., Power, M.S., Robertson, P.K., Seed, R.B., Stokoe, K.H. II, 2001, "Liquefaction Resistance of Soils: Summary Report from the 1996 NCEER and 1998 NCEER/NSF Workshops on Evaluation of Liquefaction Resistance of Soils", Journal of Geotechnical and Geoenvironmental Engineering, Vol. 127, No. 10, October 2001.

APPENDIX B

SPC (2019) EXPLORATORY LOGS AND INFILTRATION LOGS

BORING LOG B-1

Project/Client: **Valley Boulevard / AutoFit Inc.** **SPC 8505-01**

Site Location: **16655 Valley Boulevard, Fontana, CA 92335** Sheet: **1** of **1**

Estimated Surface Elevation: **1114'** Total Depth: **4.5'** Water Depth: **N/A** Start: **25 Feb 19**

Hole Diameter: **8"** Equipment: **CME-45 / Hollow Stem Auger** Logged By: **PC** End: **25 Feb 19**

Depth (Ft.)	Sample Type (RING / BULK)	Field Blow Counts / Foot	Dry Density, Pcf	Moisture Content %	Relative Compaction %	Saturation %	Graphic Log	Description
								Boring Location: **Near northwest corner of site, see Geotechnical Map, Plate 3.**
0 – 3	BULK							**FILL:** Silty SAND (SM): Brown, moist, loose to medium dense, fine-grained sand, non-plastic fines
3 – 4	RING	30	118	3.9		26		**ALLUVIUM:** SAND with Gravel (SW): Brown, moist, medium dense, fine to coarse-grained sand, well-graded sand, rounded fine to coarse gravel, 2.5" maximum particle size

Notes:
1.) Boring drilled to 4.5'.
2.) No seepage or groundwater encountered.
3.) Excavation backfilled with cuttings and tamped.

BORING LOG B-2

Project/Client: **Valley Boulevard / AutoFit Inc.** **SPC 8505-01**

Site Location: **16655 Valley Boulevard, Fontana, CA 92335** Sheet: **1** of **2**

Estimated Surface Elevation: **1112'** Total Depth: **31.5'** Water Depth: **N/A** Start: **25 Feb 19**

Hole Diameter: **8"** Equipment: **CME-45 / Hollow Stem Auger** Logged By: **PC** End: **25 Feb 19**

Depth (Ft.)	Sample Type (RING / BULK)	Field Blow Counts / Foot	Dry Density, Pcf	Moisture Content %	Relative Compaction %	Saturation %	Graphic Log	Description
								Boring Location: **Near northwest corner of site, see Geotechnical Map, Plate 3.**
0–2	RING / BULK							**FILL:** Silty SAND (SM): Dark brown, moist, loose to medium dense, non-plastic fines, trace rounded gravel, 2" maximum particle size @ 2': Increase in gravel content
3–4	RING / BULK	46	124	2.9		23		**ALLUVIUM:** SAND with Gravel (SW): Brown, dry to moist, medium dense, well-graded sand, fine to coarse rounded gravel
5–6	RING / BULK	20	111	2.9		16		
7–9								@ 7': Similar to above
10	RING / BULK	36	116	3.3		21		
11								Silty SAND (SM): Brown, moist, medium dense, fine-grained sand, non- to low plasticity fines
12–14								SAND with Gravel (SW): Brown, dry to moist, very dense, fine to coarse-grained sand, well-graded sand, rounded to subrounded fine to coarse gravel
15–16	RING / BULK	62	129	1.8		17		@ 15': Change in color to dark grayish brown, increase in gravel content, cobble in sampler
17–20								

BORING LOG B-2

Project/Client: **Valley Boulevard / AutoFit Inc.** **SPC 8505-01**

Site Location: **16655 Valley Boulevard, Fontana, CA 92335** Sheet: **2** of **2**

Estimated Surface Elevation: **1112'** Total Depth: **31.5'** Water Depth: **N/A** Start: **25 Feb 19**

Hole Diameter: **8"** Equipment: **CME-45 / Hollow Stem Auger** Logged By: **PC** End: **25 Feb 19**

Depth (Ft.)	Sample Type (RING / BULK)	Field Blow Counts / Foot	Dry Density, Pcf	Moisture Content %	Relative Compaction %	Saturation %	Graphic Log	Description
								Boring Location: **Near northwest corner of site, see Geotechnical Map, Plate 3.**
20	RING	68	124	2.2		17		@ 20': Similar to above
21								
22								
23								
24								
25	RING	50 /4"						@ 25': No recovery
26								
27								
28								
29								
30	RING	39	107	2.2		11		SAND with Silt (SP-SM): Brown, dry to moist, dense, fine to medium-grained sand, poorly graded sand, predominantly fine-grained sand, coarse gravel, 1.5" maximum particle size
31								

Notes:
1.) Boring drilled to 31.5'.
2.) No seepage or groundwater encountered.
3.) Excavation backfilled with cuttings and tamped.

BORING LOG B-3

Project/Client: **Valley Boulevard / AutoFit Inc.** **SPC 8505-01**

Site Location: **16655 Valley Boulevard, Fontana, CA 92335** Sheet: **1** of **2**

Estimated Surface Elevation: **1106'** Total Depth: **31.5'** Water Depth: **N/A** Start: **25 Feb 19**

Hole Diameter: **8"** Equipment: **CME-45 / Hollow Stem Auger** Logged By: **PC** End: **25 Feb 19**

Depth (Ft.)	Sample Type (RING / BULK)	Field Blow Counts / Foot	Dry Density, Pcf	Moisture Content %	Relative Compaction %	Saturation %	Graphic Log	Description
								Boring Location: **Near southeast corner of site, see Geotechnical Map, Plate 3.**
0–2	RING / BULK							**FILL:** Silty SAND (SM): Brown, moist, loose, fine to medium-grained sand, non-plastic fines. @ 1': Becomes medium dense
3	RING / BULK	12	110	4.8		25		**ALLUVIUM:** SAND with Silt (SW-SM): Brown, moist, loose to medium dense, fine to coarse-grained sand, well-graded sand, non-plastic fines
5	RING / BULK	15	111	4.5		24		@ 5': Increase in gravel content
10	RING / BULK	18	109	13.5		69		Silty SAND (SM): Dark brown, wet, medium dense, fine to medium-grained sand, non-plastic fines
15	RING / BULK	40	114	7.1		42		SAND (SW): Grayish brown, moist, medium dense, fine to coarse-grained sand, well-graded sand, few rounded fine gravel

BORING LOG B-3

Project/Client: **Valley Boulevard / AutoFit Inc.** **SPC 8505-01**

Site Location: **16655 Valley Boulevard, Fontana, CA 92335** Sheet: **2** of **2**

Estimated Surface Elevation: **1106'** Total Depth: **31.5'** Water Depth: **N/A** Start: **25 Feb 19**

Hole Diameter: **8"** Equipment: **CME-45 / Hollow Stem Auger** Logged By: **PC** End: **25 Feb 19**

Depth (Ft.)	Sample Type (RING / BULK)	Field Blow Counts / Foot	Dry Density, Pcf	Moisture Content %	Relative Compaction %	Saturation %	Graphic Log	Description
								Boring Location: **Near southeast corner of site, see Geotechnical Map, Plate 3.**
20–24	RING	19	101	3.5		15		SAND (SP) interbedded with Lean CLAY (CL): Light brown, moist, medium dense, fine-grained sand, poorly graded sand, low plasticity fines
25–29	RING	18	99	6.4		25		Silty SAND (SM): Light brown, moist, medium dense, fine-grained sand, low plasticity fines
30–31	RING	21	102	6.9		30		@ 30': Similar to above

Notes:
1.) Boring drilled to 31.5'.
2.) Isolated seepage encountered at 10'.
3.) Excavation backfilled with cuttings and tamped.

BORING LOG B-4

Project/Client: **Valley Boulevard / AutoFit Inc.** **SPC 8505-01**

Site Location: **16655 Valley Boulevard, Fontana, CA 92335** Sheet: **1** of **2**

Estimated Surface Elevation: **1113'** Total Depth: **31.5'** Water Depth: **N/A** Start: **25 Feb 19**

Hole Diameter: **8"** Equipment: **CME-45 / Hollow Stem Auger** Logged By: **PC** End: **25 Feb 19**

Depth (Ft.)	Sample Type (RING / BULK)	Field Blow Counts / Foot	Dry Density, Pcf	Moisture Content %	Relative Compaction %	Saturation %	Graphic Log	Description
								Boring Location: **Near northeast corner of site, see Geotechnical Map, Plate 3.**
0–3	BULK							**FILL:** Silty SAND (SM): Brown, moist, loose to medium dense, non-plastic fines; @ 1.5': Increase in gravel content, scattered rootlets
3	RING	22	115	4.4		27		**ALLUVIUM:** SAND with Gravel (SW): Dark grayish brown, moist, medium dense, rounded gravel, fine to coarse grained-sand, well-graded sand, 2" maximum particle size
5	RING	19	110	5.6		29		@ 5': Similar to above
10	RING	15	102	5.2		22		Silty SAND (SM): Brown, moist, medium dense, fine-grained sand, non-plastic fines; @ 11': Decrease in moisture content
15	RING	46	109	3.4		17		@ 15': Increase in density

SPC Geotechnical, Inc.
Consulting Engineers

Plate A-5

BORING LOG B-4

Project/Client: **Valley Boulevard / AutoFit Inc.** **SPC 8505-01**

Site Location: **16655 Valley Boulevard, Fontana, CA 92335** Sheet: **2** of **2**

Estimated Surface Elevation: **1113'** Total Depth: **31.5'** Water Depth: **N/A** Start: **25 Feb 19**

Hole Diameter: **8"** Equipment: **CME-45 / Hollow Stem Auger** Logged By: **PC** End: **25 Feb 19**

Depth (Ft.)	Sample Type (RING / BULK)	Field Blow Counts / Foot	Dry Density, Pcf	Moisture Content %	Relative Compaction %	Saturation %	Graphic Log	Description
								Boring Location: **Near northeast corner of site, see Geotechnical Map, Plate 3.**
20–24	RING	58	102	2.1		9		Silty SAND with Gravel (SM): Dark grayish brown, dry to moist, medium dense to very dense, fine to coarse-grained sand, subrounded fine to coarse gravel, predominantly fine gravel
25–29	RING	73	118	2.2		15		SAND with Gravel (SW): Dark grayish brown, moist, medium dense, fine to coarse-grained sand, well-graded sand, rounded fine to coarse gravel
30–31	RING	28	108	10.5		53		Silty SAND (SM): Brown, moist, medium dense, fine-grained sand, non-plastic fines

Notes:
1.) Boring drilled to 31.5'.
2.) No seepage or groundwater encountered.
3.) Excavation backfilled with cuttings and tamped.

BORING LOG B-5

Project/Client: **Valley Boulevard / AutoFit Inc.** **SPC 8505-01**

Site Location: **16655 Valley Boulevard, Fontana, CA 92335** Sheet: **1** of **2**

Estimated Surface Elevation: **1109'** Total Depth: **20.9'** Water Depth: **N/A** Start: **25 Feb 19**

Hole Diameter: **8"** Equipment: **CME-45 / Hollow Stem Auger** Logged By: **PC** End: **25 Feb 19**

Depth (Ft.)	Sample Type (RING / BULK)	Field Blow Counts / Foot	Dry Density, Pcf	Moisture Content %	Relative Compaction %	Saturation %	Graphic Log	Description
								Boring Location: **Near center of site, see Geotechnical Map, Plate 3.**
0–2	BULK							**FILL:** Silty SAND (SM): Dark brown, moist, medium dense
2–5	RING	28						**ALLUVIUM:** SAND with Silt and Gravel (SW-SM): Brown, moist, medium dense, fine to-coarse grained sand, well-graded sand, rounded fine to coarse gravel, 2" maximum particle size @ 5': No recovery, cobble in shoe
10	RING	26	126	5.2		44		GRAVEL with Silt and Sand (GP): Gray, moist, medium dense, rounded fine to coarse gravel, poorly graded gravel, fine to coarse-grained sand, non-plastic fines
15	RING	20	107	13.5		65		Silty SAND (SM): Light brown, moist, medium dense, fine-grained sand, non- to low plasticity fines

BORING LOG B-5

Project/Client: **Valley Boulevard / AutoFit Inc.** **SPC 8505-01**

Site Location: **16655 Valley Boulevard, Fontana, CA 92335** Sheet: **2** of **2**

Estimated Surface Elevation: **1109'** Total Depth: **20.9'** Water Depth: **N/A** Start: **25 Feb 19**

Hole Diameter: **8"** Equipment: **CME-45 / Hollow Stem Auger** Logged By: **PC** End: **25 Feb 19**

Depth (Ft.)	Sample Type RING	Sample Type BULK	Field Blow Counts / Foot	Dry Density, Pcf	Moisture Content %	Relative Compaction %	Saturation %	Graphic Log	Description
									Boring Location: **Near center of site, see Geotechnical Map, Plate 3.**
20	■		68	119	3.1		21		GRAVEL with Silt and Sand (GP): Gray, moist, medium dense, rounded fine to coarse gravel, poorly graded gravel, fine to coarse-grained sand, non-plastic fines

Notes:
1.) Boring drilled to 20.9'.
2.) No seepage or groundwater encountered.
3.) Excavation backfilled with cuttings and tamped.

BORING LOG B-6

Project/Client: **Valley Boulevard / AutoFit Inc.** **SPC 8505-01**

Site Location: **16655 Valley Boulevard, Fontana, CA 92335** Sheet: **1** of **1**

Estimated Surface Elevation: **1109'** Total Depth: **11.5'** Water Depth: **N/A** Start: **25 Feb 19**

Hole Diameter: **8"** Equipment: **CME-45 / Hollow Stem Auger** Logged By: **PC** End: **25 Feb 19**

Depth (Ft.)	Sample Type (RING / BULK)	Field Blow Counts / Foot	Dry Density, Pcf	Moisture Content %	Relative Compaction %	Saturation %	Graphic Log	Description
								Boring Location: **At east side of site, see Geotechnical Map, Plate 3.**
0–2	RING / BULK							**FILL:** Silty SAND (SM): Brown, moist, loose to medium dense, non-plastic fines, fine to coarse grained-sand
3–9	RING	9	106	7.1		34		**ALLUVIUM:** Silty SAND (SM): Brown, moist, medium dense, non-plastic fines, fine to coarse-grained sand, scattered gravel
10–11	RING	11	110	11.6		60		@ 10': Increase in fines content

Notes:
1.) Boring drilled to 11.5'.
2.) No seepage or groundwater encountered.
3.) Excavation backfilled with cuttings and tamped.

BORING LOG B-7

Project/Client: **Valley Boulevard / AutoFit Inc.** **SPC 8505-01**

Site Location: **16655 Valley Boulevard, Fontana, CA 92335** Sheet: **1** of **2**

Estimated Surface Elevation: **1106'** Total Depth: **31.5'** Water Depth: **N/A** Start: **25 Feb 19**

Hole Diameter: **8"** Equipment: **CME-45 / Hollow Stem Auger** Logged By: **PC** End: **25 Feb 19**

Depth (Ft.)	Sample Type (RING / BULK)	Field Blow Counts / Foot	Dry Density, Pcf	Moisture Content %	Relative Compaction %	Saturation %	Graphic Log	Description
								Boring Location: **Near southwest corner of site, see Geotechnical Map, Plate 3**
0–3	RING / BULK	16	119	9.2		62		**FILL:** Silty SAND (SM): Olive brown, moist, loose to medium dense, fine to coarse-grained sand, predominantly fine to medium-grained, with rounded fine to coarse gravel, 2" maximum particle size
4–7	RING / BULK	14	114	6.7		40		**ALLUVIUM:** SAND with Silt and Gravel (SW): Brown, moist, medium dense, medium to coarse-grained sand, well-graded sand, decrease in fines content
8–9								Silty SAND (SM): Brown, moist, medium dense, fine to medium-grained sand, non- to low plasticity fines, slate fragment in shoe
10–11	RING / BULK	17	108	10.7		53		@ 10': Similar to above
15–16	RING / BULK	32	106	10.4		50		@ 15': Increase in fines content, sand becomes fine-grained

BORING LOG B-7

Project/Client: **Valley Boulevard / AutoFit Inc.** **SPC 8505-01**

Site Location: **16655 Valley Boulevard, Fontana, CA 92335** Sheet: **2** of **2**

Estimated Surface Elevation: **1106'** Total Depth: **31.5'** Water Depth: **N/A** Start: **25 Feb 19**

Hole Diameter: **8"** Equipment: **CME-45 / Hollow Stem Auger** Logged By: **PC** End: **25 Feb 19**

Depth (Ft.)	Sample Type (RING / BULK)	Field Blow Counts / Foot	Dry Density, Pcf	Moisture Content %	Relative Compaction %	Saturation %	Graphic Log	Description
								Boring Location: **Near southwest corner of site, see Geotechnical Map, Plate 3**
20	RING	70						@ 20': No recovery, likely due to presence of gravel/cobbles
21								
22								
23								
24								
25	RING	40	107	4.2		21		SAND with Gravel (SW): Brown, dry to moist, dense, fine to coarse-grained sand, well-graded sand, rounded fine to coarse gravel, 2" maximum particle size
26								
27								Sandy SILT (ML): Brown, moist, hard, non- to low plasticity fines, fine-grained sand
28								
29								
30	RING	26	103	7.1		31		@ 30': Similar to above
31								

Notes:
1.) Boring drilled to 31.5'.
2.) No seepage or groundwater encountered.
3.) Excavation backfilled with cuttings and tamped.

BORING LOG I-1

Project/Client: **Valley Boulevard / AutoFit Inc.** **SPC 8505-01**

Site Location: **16655 Valley Boulevard, Fontana, CA 92335** Sheet: **1** of **1**

Estimated Surface Elevation: **1108'** Total Depth: **3.1'** Water Depth: **N/A** Start: **25 Feb 19**

Hole Diameter: **8"** Equipment: **CME-45 / Hollow Stem Auger** Logged By: **PC** End: **25 Feb 19**

Depth (Ft.)	Sample Type (RING / BULK)	Field Blow Counts / Foot	Dry Density, Pcf	Moisture Content %	Relative Compaction %	Saturation %	Graphic Log	Description
								Boring Location: **At west side of site, see Geotechnical Map, Plate 3.**
0 – 1	BULK							**FILL:** Silty SAND (SM): Brown, moist, loose to medium dense
2 – 3								**ALLUVIUM:** Silty SAND (SM): Brown, moist, medium dense, scattered fine to coarse gravel

Notes:
1.) Boring drilled to 3.1'.
2.) No seepage or groundwater encountered.
3.) Boring utilized for infiltration testing.
4.) Excavation backfilled with cuttings and tamped on 2/26/2019.

BORING LOG I-2

Project/Client: **Valley Boulevard / AutoFit Inc.** **SPC 8505-01**

Site Location: **16655 Valley Boulevard, Fontana, CA 92335** Sheet: **1** of **1**

Estimated Surface Elevation: **1105'** Total Depth: **3.1'** Water Depth: **N/A** Start: **25 Feb 19**

Hole Diameter: **8"** Equipment: **CME-45 / Hollow Stem Auger** Logged By: **PC** End: **25 Feb 19**

Depth (Ft.)	Sample Type: RING	Sample Type: BULK	Field Blow Counts / Foot	Dry Density, Pcf	Moisture Content %	Relative Compaction %	Saturation %	Graphic Log	Description
									Boring Location: **At south side of site, see Geotechnical Map, Plate 3.**
0									**FILL:** Silty SAND (SM): Brown, moist, loose to medium dense; fine to coarse-grained sand, predominantly fine to medium-grained sand, non-plastic fines
1									
2									**ALLUVIUM:** Silty SAND (SM): Brown, moist, medium dense; fine to coarse-grained sand, predominantly fine to medium-grained sand, non-plastic fines, scattered fine to coarse gravel
3									

Notes:
1.) Boring drilled to 3.1'.
2.) No seepage or groundwater encountered.
3.) Boring utilized for infiltration testing.
4.) Excavation backfilled with cuttings and tamped on 2/26/2019.

BORING LOG I-3

Project/Client: **Valley Boulevard / AutoFit Inc.** **SPC 8505-01**

Site Location: **16655 Valley Boulevard, Fontana, CA 92335** Sheet: **1** of **1**

Estimated Surface Elevation: **1101'** Total Depth: **3'** Water Depth: **N/A** Start: **25 Feb 19**

Hole Diameter: **8"** Equipment: **CME-45 / Hollow Stem Auger** Logged By: **PC** End: **25 Feb 19**

Depth (Ft.)	Sample Type: RING	Sample Type: BULK	Field Blow Counts / Foot	Dry Density, Pcf	Moisture Content %	Relative Compaction %	Saturation %	Graphic Log	Description
									Boring Location: **At far south side of site, see Geotechnical Map, Plate 3.**
0									**FILL:** Silty SAND (SM): Brown, moist, loose to medium dense; fine to coarse-grained sand, non-plastic fines
1									
2									**ALLUVIUM:** Silty SAND (SM): Brown, moist, medium dense; fine to coarse-grained sand, non-plastic fines, scattered fine to coarse gravel
3									

Notes:
1.) Boring drilled to 3.0'.
2.) No seepage or groundwater encountered.
3.) Boring utilized for infiltration testing.
4.) Excavation backfilled with cuttings and tamped on 2/26/2019.

APPENDIX C

SPC (2019) LABORATORY TEST RESULTS

EXPANSION INDEX of SOILS
ASTM D 4829

Project Name:	JPL Fontana	Tested By:	OHF/GEB	Date:	06/21/22
Project No.:	13584.001	Checked By:	J. Ward	Date:	06/22/22
Boring No.:	N/A	Depth (ft.):	FG		
Sample No.:	B-1				
Soil Identification:	Olive poorly-graded sand with silt (SP-SM)				

Dry Wt. of Soil + Cont. (g)	1000.00
Wt. of Container No. (g)	0.00
Dry Wt. of Soil (g)	1000.00
Weight Soil Retained on #4 Sieve	0.00
Percent Passing # 4	100.00

MOLDED SPECIMEN	Before Test	After Test
Specimen Diameter (in.)	4.01	4.01
Specimen Height (in.)	1.0000	1.0010
Wt. Comp. Soil + Mold (g)	597.10	421.80
Wt. of Mold (g)	198.00	0.00
Specific Gravity (Assumed)	2.70	2.70
Container No.	O	O
Wet Wt. of Soil + Cont. (g)	804.40	619.80
Dry Wt. of Soil + Cont. (g)	733.30	561.81
Wt. of Container (g)	0.00	198.00
Moisture Content (%)	9.70	15.94
Wet Density (pcf)	120.4	127.1
Dry Density (pcf)	109.7	109.6
Void Ratio	0.536	0.538
Total Porosity	0.349	0.350
Pore Volume (cc)	72.2	72.5
Degree of Saturation (%) [S_{meas}]	**48.8**	80.0

SPECIMEN INUNDATION in distilled water for the period of 24 h or expansion rate < 0.0002 in./h

Date	Time	Pressure (psi)	Elapsed Time (min.)	Dial Readings (in.)
06/21/22	15:10	1.0	0	0.5045
06/21/22	15:20	1.0	10	0.5040
Add Distilled Water to the Specimen				
06/21/22	17:12	1.0	112	0.5045
06/22/22	5:55	1.0	875	0.5055
06/22/22	7:46	1.0	986	0.5055

Expansion Index (EI_{meas}) = ((Final Rdg - Initial Rdg) / Initial Thick.) x 1000	**2**

TESTS for SULFATE CONTENT
CHLORIDE CONTENT and pH of SOILS

Project Name: JPL Fontana | Tested By : G. Berdy | Date: 06/14/22

Project No. : 13584.001 | Checked By: J. Ward | Date: 06/17/22

Boring No.	N/A			
Sample No.	B-1			
Sample Depth (ft)	FG			
Soil Identification:	Olive SP-SM			
Wet Weight of Soil + Container (g)	0.00			
Dry Weight of Soil + Container (g)	0.00			
Weight of Container (g)	1.00			
Moisture Content (%)	0.00			
Weight of Soaked Soil (g)	100.61			

SULFATE CONTENT, DOT California Test 417, Part II

Beaker No.	303, 63			
Crucible No.	9			
Furnace Temperature (°C)	860			
Time In / Time Out	10:00/10:45			
Duration of Combustion (min)	45			
Wt. of Crucible + Residue (g)	22.4956			
Wt. of Crucible (g)	22.4938			
Wt. of Residue (g) (A)	0.0018			
PPM of Sulfate (A) x 41150	74.07			
PPM of Sulfate, Dry Weight Basis	**74**			

CHLORIDE CONTENT, DOT California Test 422

ml of Extract For Titration (B)	15			
ml of AgNO3 Soln. Used in Titration (C)	1.5			
PPM of Chloride (C -0.2) * 100 * 30 / B	260			
PPM of Chloride, Dry Wt. Basis	**260**			

pH TEST, DOT California Test 643

pH Value	**6.66**			
Temperature °C	21.7			

SOIL RESISTIVITY TEST

DOT CA TEST 643

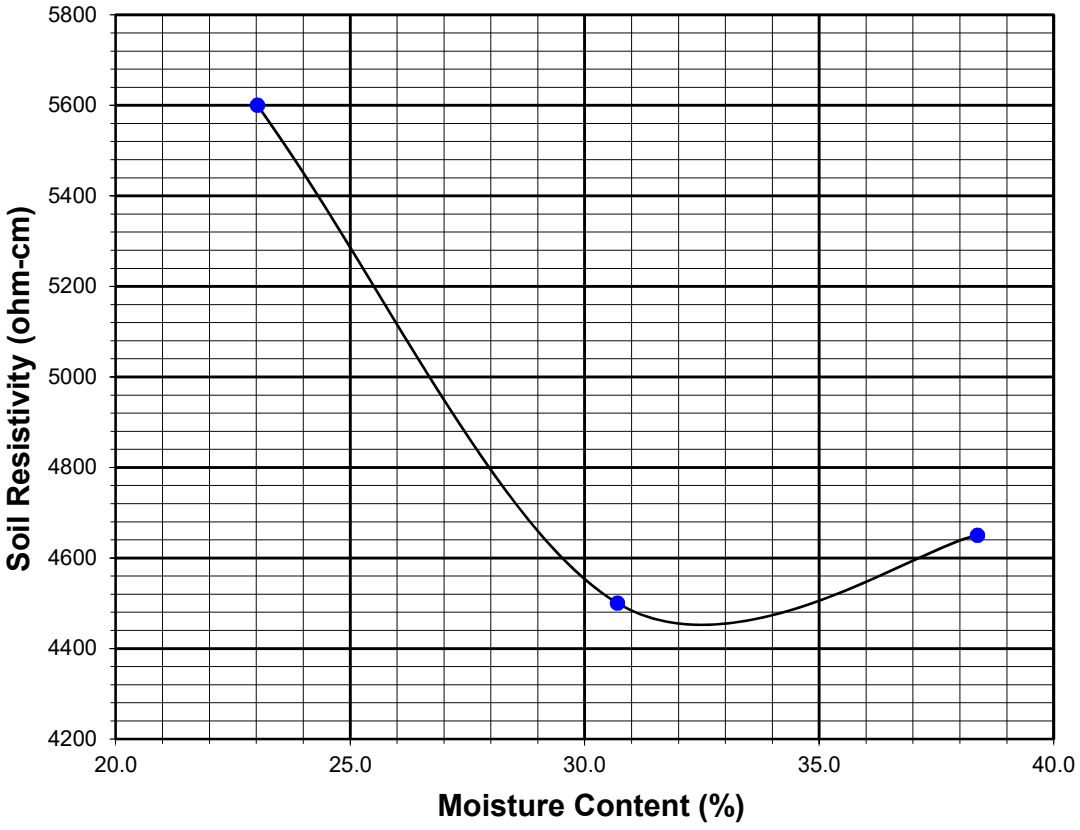
Project Name:	JPL Fontana		Tested By :	A. Santos	Date: 06/17/22
Project No. :	13584.001		Checked By:	J. Ward	Date: 06/17/22
Boring No.:	N/A		Depth (ft.) :	FG	
Sample No. :	B-1				
Soil Identification:*	Olive SP-SM				

*California Test 643 requires soil specimens to consist only of portions of samples passing through the No. 8 US Standard Sieve before resistivity testing. Therefore, this test method may not be representative for coarser materials.

Specimen No.	Water Added (ml) (Wa)	Adjusted Moisture Content (MC)	Resistance Reading (ohm)	Soil Resistivity (ohm-cm)
1	30	23.02	5600	5600
2	40	30.70	4500	4500
3	50	38.37	4650	4650
4				
5				

Moisture Content (%) (MCi)	0.00
Wet Wt. of Soil + Cont. (g)	0.00
Dry Wt. of Soil + Cont. (g)	0.00
Wt. of Container (g)	1.00
Container No.	
Initial Soil Wt. (g) (Wt)	130.30
Box Constant	1.000
MC =(((1+Mci/100)x(Wa/Wt+1))-1)x100	

Min. Resistivity (ohm-cm)	Moisture Content (%)	Sulfate Content (ppm)	Chloride Content (ppm)	Soil pH	
				pH	Temp. (°C)
DOT CA Test 643		DOT CA Test 417 Part II	DOT CA Test 422	DOT CA Test 643	
4440	**32.5**	**74**	**260**	**6.66**	**21.7**



COMPACTION TEST (ASTM D 1557)

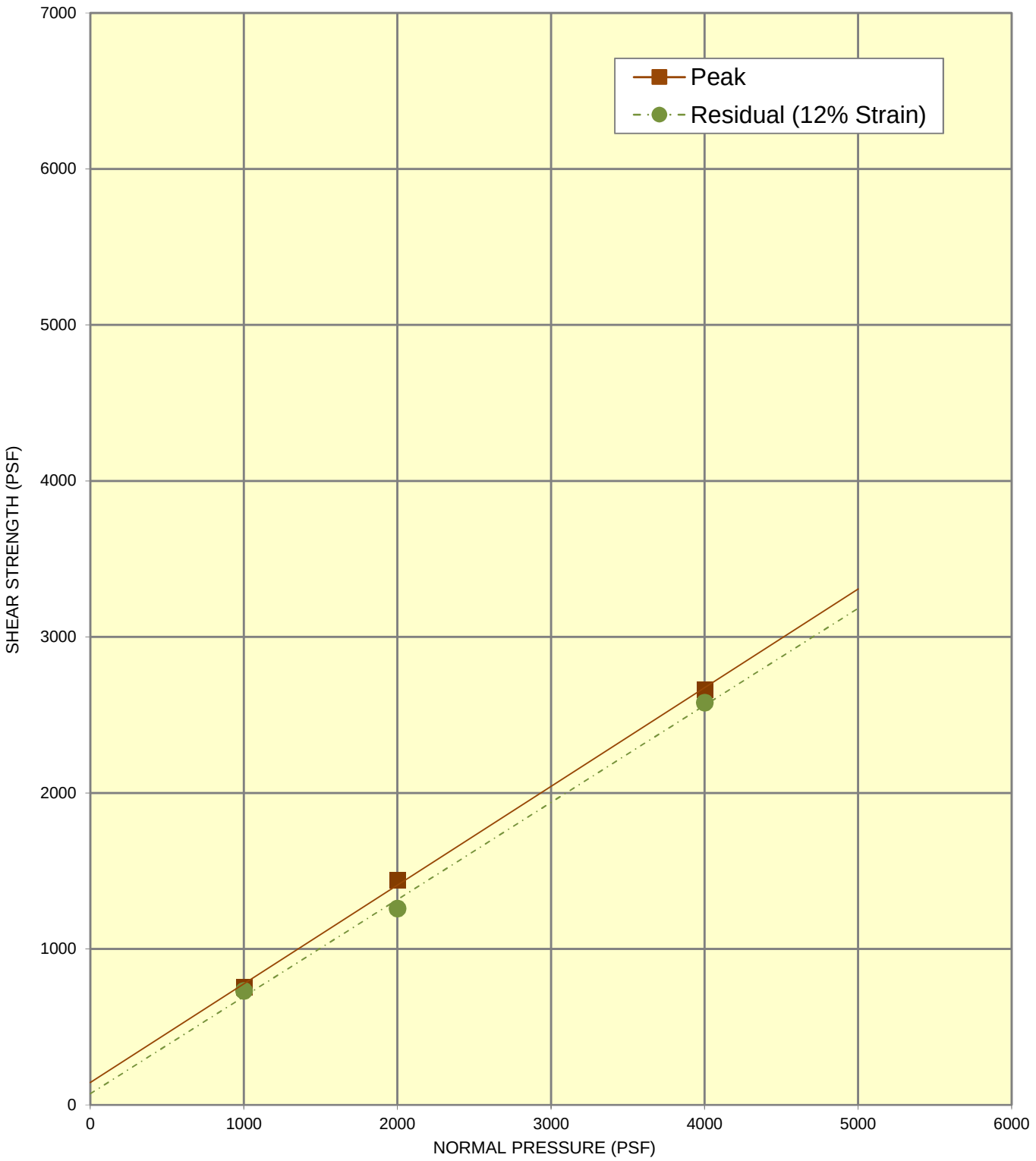
Representative soil samples were collected in the field and tested in the laboratory to determine the maximum dry density and optimum moisture content that can be achieved under the ASTM D 1557 Compaction Test Method, Procedure B. This method requires 25 blows of a 10-pound hammer free falling from a height of 18 inches on each of the five soil layers in a 1/30-cubic foot mold. The results of the tests are presented below:

Excavation No.	B-2	B-3
Depth (Ft):	0.5-3	0.5-3.5
Soil Type:	Silty SAND with Gravel (SM)	Silty SAND (SM)
Oversize-Corrected Maximum Dry Density (Pcf):	132.0	129.0
Oversize-Corrected Optimum Moisture Content (%):	8.0	8.5

DIRECT SHEAR TEST (ASTM D 3080)

The direct shear test is a measure of the soil strength and was performed on remolded ring samples. The test is performed in a shear machine that operates at a constant rate of strain. Prior to testing, the soil sample was soaked for a 24-hour period. Following the test, the angle of internal friction and the cohesion intercept were evaluated for both the peak strength and residual strength, based on the resistance of the soil particles to slide past each other during testing. The shear testing results are presented on Plate B-1.

Excavation No.:	B-3	
Depth (Ft):	0.5-3.5	
Soil Type:	Silty SAND (SM) Remolded to 90%	
Strength Type:	Peak	Residual
C (Pcf):	100	50
ϕ (º):	32	32

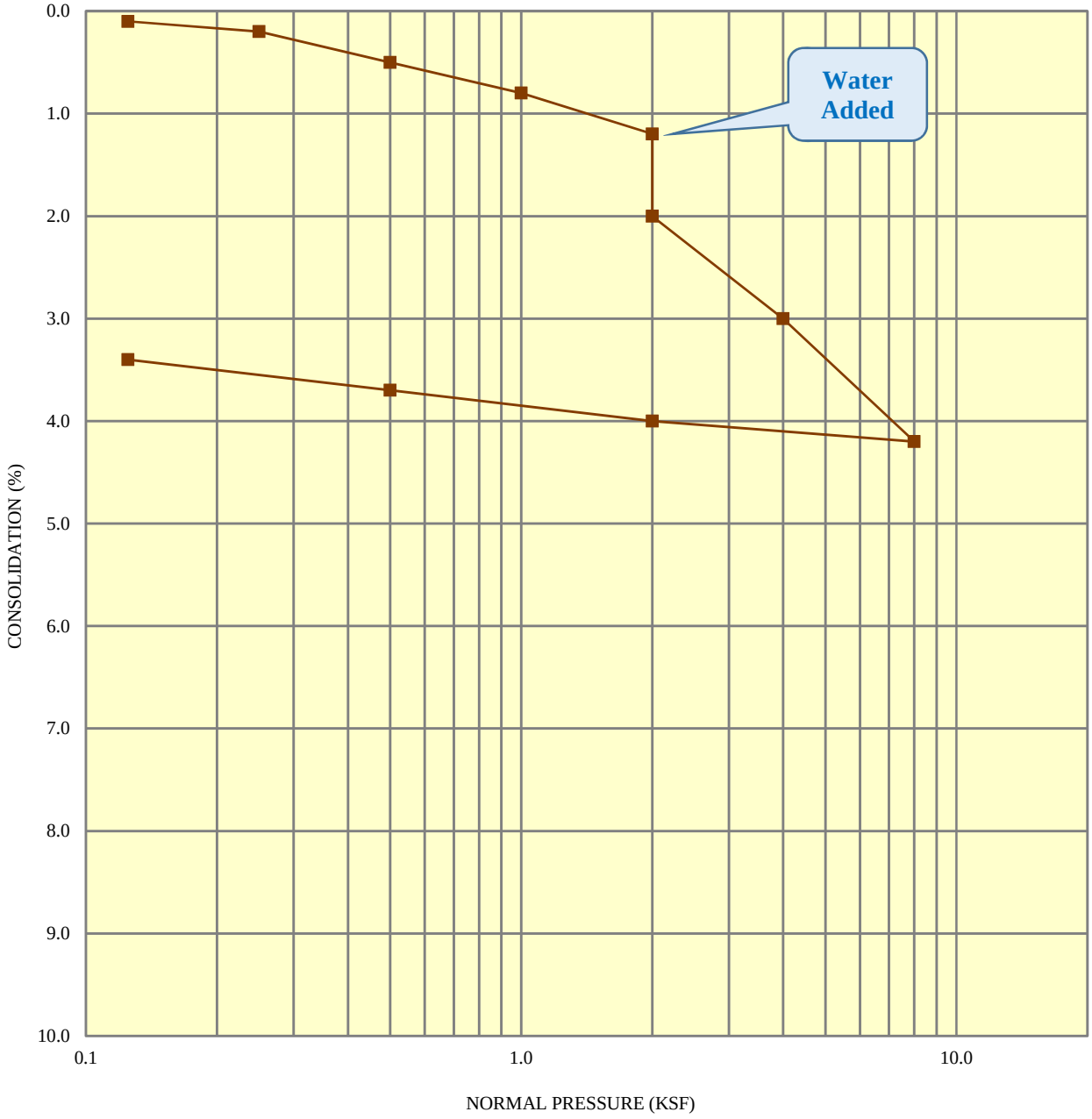


Excav. No.	Depth (Ft.)	Sample Description	Type	C (Psf)	ϕ (Deg)	Moisture Content (%)	
						Pre-Test	Test
B-3	0.5 - 3.5	Fill (SM) - Remolded to 90% RC	Peak	100	32	9.0	14.7
			Residual	50	32		

DIRECT SHEAR DIAGRAM

Plate B-1

SPC Geotechnical, Inc. | SPC 8505-01 | March 2019



Excav. No.	Depth (Ft.)	Sample Description	Moisture Content (%)	
			In Situ	Test
B-2	7.0	Alluvium (SW) - Undisturbed, saturated at 2 Ksf	2.9	15.9

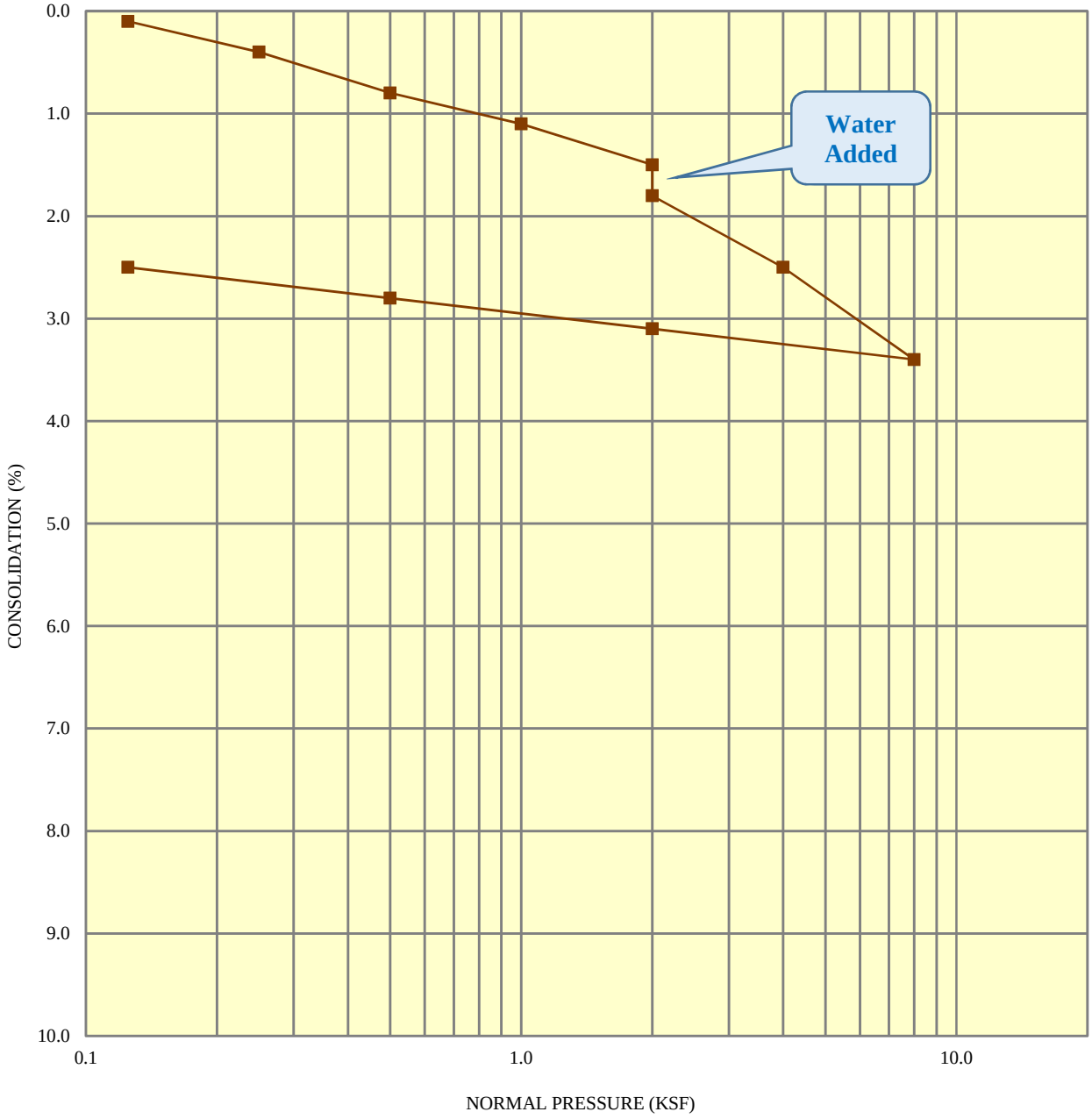
CONSOLIDATION - PRESSURE CURVE

SPC Geotechnical, Inc.

SPC 8505-01

March 2019

Plate B-2



Excav. No.	Depth (Ft.)	Sample Description	Moisture Content (%)	
			In Situ	Test
B-6	6.0	Alluvium (SM) - Undisturbed, saturated at 2 Ksf	7.1	18.2

CONSOLIDATION - PRESSURE CURVE

SPC Geotechnical, Inc.

SPC 8505-01

March 2019

Plate B-3

APPENDIX D

SEISMIC

Latitude, Longitude: 34.0694, -117.4416



Date	6/15/2022, 12:00:01 PM
Design Code Reference Document	ASCE7-16
Risk Category	II
Site Class	D - Stiff Soil

Type	Value	Description
S_S	1.813	MCE_R ground motion. (for 0.2 second period)
S_1	0.6	MCE_R ground motion. (for 1.0s period)
S_{MS}	1.813	Site-modified spectral acceleration value
S_{M1}	null -See Section 11.4.8	Site-modified spectral acceleration value
S_{DS}	1.209	Numeric seismic design value at 0.2 second SA
S_{D1}	null -See Section 11.4.8	Numeric seismic design value at 1.0 second SA

Type	Value	Description
SDC	null -See Section 11.4.8	Seismic design category
F_a	1	Site amplification factor at 0.2 second
F_v	null -See Section 11.4.8	Site amplification factor at 1.0 second
PGA	0.74	MCE_G peak ground acceleration
F_{PGA}	1.1	Site amplification factor at PGA
PGA_M	0.814	Site modified peak ground acceleration
T_L	12	Long-period transition period in seconds
SsRT	1.881	Probabilistic risk-targeted ground motion. (0.2 second)
SsUH	2.021	Factored uniform-hazard (2% probability of exceedance in 50 years) spectral acceleration
SsD	1.813	Factored deterministic acceleration value. (0.2 second)
S1RT	0.709	Probabilistic risk-targeted ground motion. (1.0 second)
S1UH	0.783	Factored uniform-hazard (2% probability of exceedance in 50 years) spectral acceleration.
S1D	0.6	Factored deterministic acceleration value. (1.0 second)
PGAd	0.74	Factored deterministic acceleration value. (Peak Ground Acceleration)
C_{RS}	0.931	Mapped value of the risk coefficient at short periods
C_{R1}	0.906	Mapped value of the risk coefficient at a period of 1 s

DISCLAIMER

While the information presented on this website is believed to be correct, SEAOC /OSHPD and its sponsors and contributors assume no responsibility or liability for its accuracy. The material presented in this web application should not be used or relied upon for any specific application without competent examination and verification of its accuracy, suitability and applicability by engineers or other licensed professionals. SEAOC / OSHPD do not intend that the use of this information replace the sound judgment of such competent professionals, having experience and knowledge in the field of practice, nor to substitute for the standard of care required of such professionals in interpreting and applying the results of the seismic data provided by this website. Users of the information from this website assume all liability arising from such use. Use of the output of this website does not imply approval by the governing building code bodies responsible for building code approval and interpretation for the building site described by latitude/longitude location in the search results of this website.

U.S. Geological Survey - Earthquake Hazards Program

Unified Hazard Tool

Please do not use this tool to obtain ground motion parameter values for the design code reference documents covered by the U.S. Seismic Design Maps web tools (e.g., the International Building Code and the ASCE 7 or 41 Standard). The values returned by the two applications are not identical.

Input

Edition

Dynamic: Conterminous U.S. 2014 (u…

Spectral Period

Peak Ground Acceleration

Latitude

Decimal degrees

34.0694

Time Horizon

Return period in years

2475

Longitude

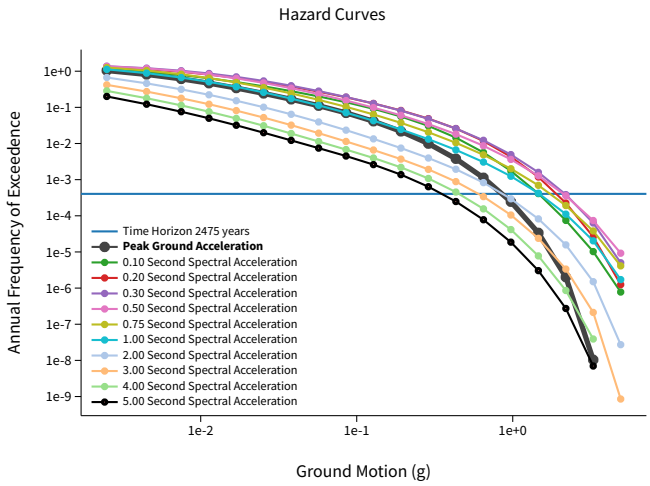
Decimal degrees, negative values for western longitudes

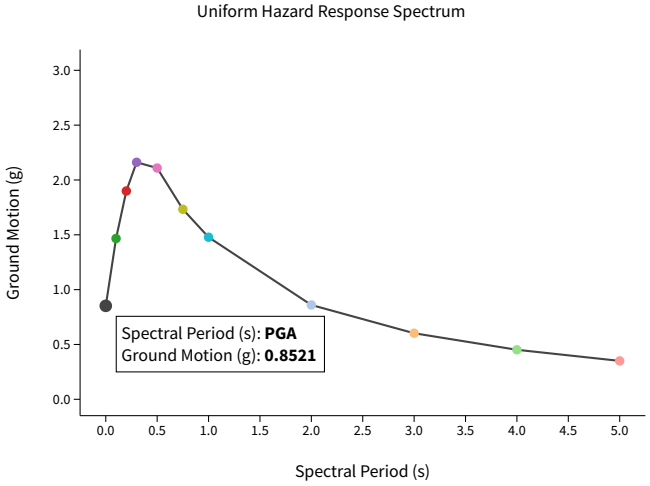
-117.4416

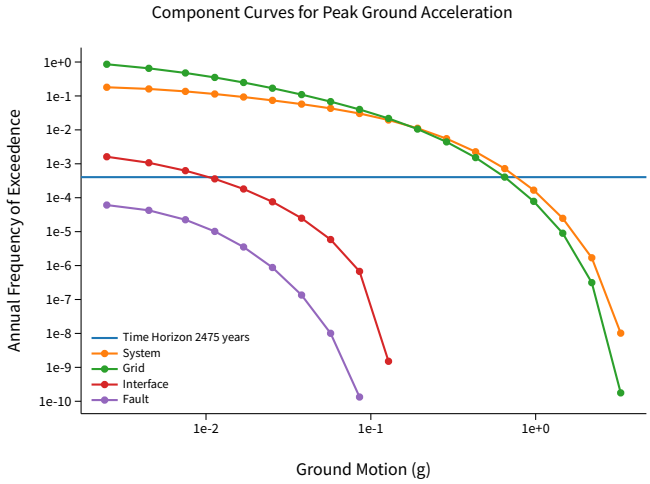
Site Class

259 m/s (Site class D)

Hazard Curve





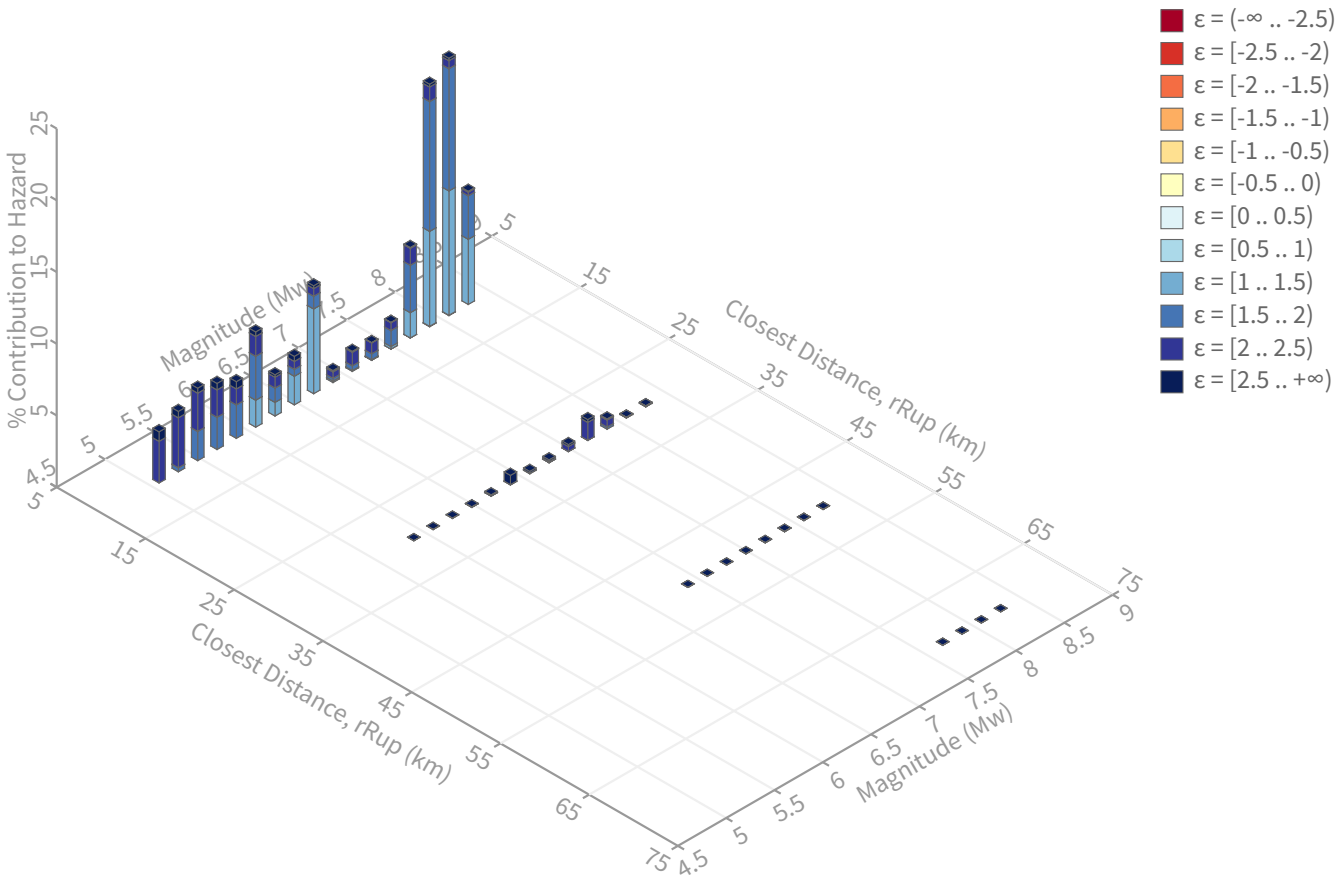


View Raw Data

Deaggregation

Component

Total



Summary statistics for, Deaggregation: Total

Deaggregation targets

Return period: 2475 yrs
Exceedance rate: 0.0004040404 yr^{-1}
PGA ground motion: 0.85210267 g

Recovered targets

Return period: 3177.3278 yrs
Exceedance rate: 0.00031472988 yr^{-1}

Totals

Binned: 100 %
Residual: 0 %
Trace: 0.03 %

Mean (over all sources)

m: 7.09
r: 11.85 km
ε_0: 1.76 σ

Mode (largest m-r bin)

m: 8.1
r: 13.28 km
ε_0: 1.54 σ
Contribution: 17.93 %

Mode (largest m-r-ε_0 bin)

m: 7.91
r: 16.15 km
ε_0: 1.78 σ
Contribution: 9.05 %

Discretization

r: min = 0.0, max = 1000.0, Δ = 20.0 km
m: min = 4.4, max = 9.4, Δ = 0.2
ε: min = -3.0, max = 3.0, Δ = 0.5 σ

Epsilon keys

ε0: [-∞ .. -2.5)
ε1: [-2.5 .. -2.0)
ε2: [-2.0 .. -1.5)
ε3: [-1.5 .. -1.0)
ε4: [-1.0 .. -0.5)
ε5: [-0.5 .. 0.0)
ε6: [0.0 .. 0.5)
ε7: [0.5 .. 1.0)
ε8: [1.0 .. 1.5)
ε9: [1.5 .. 2.0)
ε10: [2.0 .. 2.5)
ε11: [2.5 .. +∞]

Deaggregation Contributors

Source Set ↳ Source	Type	r	m	ε_0	lon	lat	az	%
UC33brAvg_FM31	System							34.13
San Jacinto (San Bernardino) [3]		11.09	8.04	1.47	117.338°W	34.120°N	59.42	11.44
San Andreas (San Bernardino N) [3]		17.98	7.86	1.89	117.341°W	34.208°N	30.81	9.82
Fontana (Seismicity) [0]		4.09	6.61	1.33	117.470°W	34.094°N	316.11	4.13
San Jacinto (Lytle Creek connector) [2]		9.68	8.00	1.38	117.374°W	34.134°N	41.05	3.48
Cucamonga [0]		12.70	7.42	1.77	117.480°W	34.178°N	343.58	1.26
UC33brAvg_FM32	System							33.31
San Jacinto (San Bernardino) [3]		11.09	8.03	1.47	117.338°W	34.120°N	59.42	11.35
San Andreas (San Bernardino N) [3]		17.98	7.86	1.89	117.341°W	34.208°N	30.81	9.98
San Jacinto (Lytle Creek connector) [2]		9.68	7.99	1.38	117.374°W	34.134°N	41.05	3.50
Fontana (Seismicity) [0]		4.09	6.61	1.33	117.470°W	34.094°N	316.11	3.38
Cucamonga [0]		12.70	7.44	1.76	117.480°W	34.178°N	343.58	1.19
UC33brAvg_FM31 (opt)	Grid							16.29
PointSourceFinite: -117.442, 34.119		7.47	5.64	1.87	117.442°W	34.119°N	0.00	3.52
PointSourceFinite: -117.442, 34.119		7.47	5.64	1.87	117.442°W	34.119°N	0.00	3.52
PointSourceFinite: -117.442, 34.128		8.10	5.67	1.95	117.442°W	34.128°N	0.00	1.71
PointSourceFinite: -117.442, 34.128		8.10	5.67	1.95	117.442°W	34.128°N	0.00	1.71
PointSourceFinite: -117.442, 34.146		9.11	5.88	2.01	117.442°W	34.146°N	0.00	1.27
PointSourceFinite: -117.442, 34.146		9.11	5.88	2.01	117.442°W	34.146°N	0.00	1.27
UC33brAvg_FM32 (opt)	Grid							16.26
PointSourceFinite: -117.442, 34.119		7.47	5.64	1.87	117.442°W	34.119°N	0.00	3.52
PointSourceFinite: -117.442, 34.119		7.47	5.64	1.87	117.442°W	34.119°N	0.00	3.52
PointSourceFinite: -117.442, 34.128		8.10	5.67	1.95	117.442°W	34.128°N	0.00	1.71
PointSourceFinite: -117.442, 34.128		8.10	5.67	1.95	117.442°W	34.128°N	0.00	1.71
PointSourceFinite: -117.442, 34.146		9.11	5.88	2.01	117.442°W	34.146°N	0.00	1.27
PointSourceFinite: -117.442, 34.146		9.11	5.88	2.01	117.442°W	34.146°N	0.00	1.27

U.S. Geological Survey - Earthquake Hazards Program

2008 National Seismic Hazard Maps - Source Parameters

New Search

Distance in Miles	Name	State	Pref Slip Rate (mm/yr)	Dip (degrees)	Dip Dir	Slip Sense	Rupture Top (km)	Rupture Bottom (km)	Length (km)
6.86	San Jacinto;SBV+SJV+A+C	CA	n/a	90	V	strike slip	0	17	181
6.86	San Jacinto;SBV+SJV+A+CC	CA	n/a	90	V	strike slip	0	16	181
6.86	San Jacinto;SBV	CA	6	90	V	strike slip	0	16	45
6.86	San Jacinto;SBV+SJV+A+CC+B+SM	CA	n/a	90	V	strike slip	0.1	15	241
6.86	San Jacinto;SBV+SJV+A+CC+B	CA	n/a	90	V	strike slip	0.1	15	215
6.86	San Jacinto;SBV+SJV	CA	n/a	90	V	strike slip	0	16	88
6.86	San Jacinto;SBV+SJV+A	CA	n/a	90	V	strike slip	0	16	134
7.05	Cucamonga	CA	5	45	N	thrust	0	8	28
11.14	S. San Andreas;NM+SM+NSB+SSB+BG	CA	n/a	83		strike slip	0	14	271
11.14	S. San Andreas;NM+SM+NSB	CA	n/a	90	V	strike slip	0	13	170
11.14	S. San Andreas;BB+NM+SM+NSB+SSB+BG+CO	CA	n/a	85		strike slip	0.1	13	390
11.14	S. San Andreas;BB+NM+SM+NSB+SSB+BG	CA	n/a	84		strike slip	0	14	321
11.14	S. San Andreas;BB+NM+SM+NSB+SSB	CA	n/a	90	V	strike slip	0	14	263
11.14	S. San Andreas;CC+BB+NM+SM+NSB+SSB	CA	n/a	90	V	strike slip	0	14	322
11.14	S. San Andreas;CC+BB+NM+SM+NSB+SSB+BG	CA	n/a	85		strike slip	0	14	380
11.14	S. San Andreas;CC+BB+NM+SM+NSB+SSB+BG+CO	CA	n/a	86		strike slip	0.1	13	449
11.14	S. San Andreas;CH+CC+BB+NM+SM+NSB	CA	n/a	90	V	strike slip	0	14	341

11.14	S. San Andreas;CH+CC+BB+NM+SM+NSB+SSB	CA	n/a	90	V	strike slip	0	14	384
11.14	S. San Andreas;NSB+SSB+BG	CA	n/a	75		strike slip	0	14	136
11.14	S. San Andreas;NSB+SSB	CA	n/a	90	V	strike slip	0	13	79
11.14	S. San Andreas;NSB	CA	22	90	V	strike slip	0	13	35
11.14	S. San Andreas;NSB+SSB+BG+CO	CA	n/a	79		strike slip	0.2	12	206
11.14	S. San Andreas;CH+CC+BB+NM+SM+NSB+SSB+BG+CO	CA	n/a	86		strike slip	0.1	13	512
11.14	S. San Andreas;CH+CC+BB+NM+SM+NSB+SSB+BG	CA	n/a	86		strike slip	0	14	442
11.14	S. San Andreas;NM+SM+NSB+SSB+BG+CO	CA	n/a	84		strike slip	0.1	13	340
11.14	S. San Andreas;NM+SM+NSB+SSB	CA	n/a	90	V	strike slip	0	13	213
11.14	S. San Andreas;SM+NSB+SSB+BG+CO	CA	n/a	83		strike slip	0.1	13	303
11.14	S. San Andreas;SM+NSB+SSB+BG	CA	n/a	81		strike slip	0	13	234
11.14	S. San Andreas;SM+NSB+SSB	CA	n/a	90	V	strike slip	0	13	176
11.14	S. San Andreas;SM+NSB	CA	n/a	90	V	strike slip	0	13	133
11.14	S. San Andreas;BB+NM+SM+NSB	CA	n/a	90	V	strike slip	0	14	220
11.14	S. San Andreas;PK+CH+CC+BB+NM+SM+NSB+SSB+BG+CO	CA	n/a	86		strike slip	0.1	13	548
11.14	S. San Andreas;PK+CH+CC+BB+NM+SM+NSB+SSB+BG	CA	n/a	86		strike slip	0.1	13	479
11.14	S. San Andreas;PK+CH+CC+BB+NM+SM+NSB+SSB	CA	n/a	90	V	strike slip	0.1	13	421
11.14	S. San Andreas;PK+CH+CC+BB+NM+SM+NSB	CA	n/a	90	V	strike slip	0.1	13	377
11.14	S. San Andreas;CC+BB+NM+SM+NSB	CA	n/a	90	V	strike slip	0	14	279
12.23	San Jacinto;SJV+A+CC+B+SM	CA	n/a	90	V	strike slip	0.1	15	196
12.23	San Jacinto;SJV+A	CA	n/a	90	V	strike slip	0	17	89

12.23	San Jacinto;SJV+A+C	CA	n/a	90	V	strike slip	0	17	136
12.23	San Jacinto;SJV	CA	18	90	V	strike slip	0	16	43
12.23	San Jacinto;SJV+A+CC+B	CA	n/a	90	V	strike slip	0.1	15	170
12.23	San Jacinto;SJV+A+CC	CA	n/a	90	V	strike slip	0	16	136
13.72	S. San Andreas;SSB+BG+CO	CA	n/a	77		strike slip	0.2	12	170
13.72	S. San Andreas;SSB+BG	CA	n/a	71		strike slip	0	13	101
13.72	S. San Andreas;SSB	CA	16	90	V	strike slip	0	13	43
14.62	San Jose	CA	0.5	74	NW	strike slip	0	15	20
15.23	Cleghorn	CA	3	90	V	strike slip	0	16	25
16.30	Chino, alt 2	CA	1	65	SW	strike slip	0	14	29
16.31	Chino, alt 1	CA	1	50	SW	strike slip	0	9	24
17.56	Sierra Madre	CA	2	53	N	reverse	0	14	57
17.56	Sierra Madre Connected	CA	2	51		reverse	0	14	76
18.11	S. San Andreas;BB+NM+SM	CA	n/a	90	V	strike slip	0	14	184
18.11	S. San Andreas;NM+SM	CA	n/a	90	V	strike slip	0	14	134
18.11	S. San Andreas;CH+CC+BB+NM+SM	CA	n/a	90	V	strike slip	0	14	306
18.11	S. San Andreas;SM	CA	29	90	V	strike slip	0	13	98
18.11	S. San Andreas;CC+BB+NM+SM	CA	n/a	90	V	strike slip	0	14	243
18.11	S. San Andreas;PK+CH+CC+BB+NM+SM	CA	n/a	90	V	strike slip	0.1	13	342
18.64	Elsinore;W+GI+T+J	CA	n/a	84	NE	strike slip	0	16	199
18.64	Elsinore;W+GI+T+J+CM	CA	n/a	84	NE	strike slip	0	16	241
18.64	Elsinore;GI	CA	5	90	V	strike slip	0	13	37

18.64	Elsinore;GI+T	CA	5	90	V	strike slip	0	14	78
18.64	Elsinore;GI+T+J	CA	n/a	86	NE	strike slip	0	17	153
18.64	Elsinore;GI+T+J+CM	CA	n/a	86	NE	strike slip	0	16	195
18.64	Elsinore;W	CA	2.5	75	NE	strike slip	0	14	46
18.64	Elsinore;W+GI	CA	n/a	81	NE	strike slip	0	14	83
18.64	Elsinore;W+GI+T	CA	n/a	84	NE	strike slip	0	14	124
19.70	North Frontal (West)	CA	1	49	S	reverse	0	16	50
22.72	San Jacinto;A+CC+B	CA	n/a	90	V	strike slip	0.1	15	152
22.72	San Jacinto;A	CA	9	90	V	strike slip	0	17	71
22.72	San Jacinto;A+CC+B+SM	CA	n/a	90	V	strike slip	0.1	15	178
22.72	San Jacinto;A+C	CA	n/a	90	V	strike slip	0	17	118
22.72	San Jacinto;A+CC	CA	n/a	90	V	strike slip	0	16	118
26.03	Clamshell-Sawpit	CA	0.5	50	NW	reverse	0	14	16
27.20	Puente Hills (Coyote Hills)	CA	0.7	26	N	thrust	2.8	15	17
27.84	Elsinore;T	CA	5	90	V	strike slip	0	14	52
27.84	Elsinore;T+J+CM	CA	n/a	85	NE	strike slip	0	16	169
27.84	Elsinore;T+J	CA	n/a	86	NE	strike slip	0	17	127
32.14	Raymond	CA	1.5	79	N	strike slip	0	16	22
33.70	San Joaquin Hills	CA	0.5	23	SW	thrust	2	13	27
34.47	Puente Hills (Santa Fe Springs)	CA	0.7	29	N	thrust	2.8	15	11
37.56	S. San Andreas;BG+CO	CA	n/a	72		strike slip	0.3	12	125
37.56	S. San Andreas;BG	CA	n/a	58		strike slip	0	13	56
37.80	Elysian Park (Upper)	CA	1.3	50	NE	reverse	3	15	20

38.17	Helendale-So Lockhart	CA	0.6	90	V	strike slip	0	13	114
39.94	Puente Hills (LA)	CA	0.7	27	N	thrust	2.1	15	22
41.08	North Frontal (East)	CA	0.5	41	S	thrust	0	16	27
41.09	Verdugo	CA	0.5	55	NE	reverse	0	15	29
41.33	Pinto Mtn	CA	2.5	90	V	strike slip	0	16	74
41.74	Newport Inglewood Connected alt 2	CA	1.3	90	V	strike slip	0	11	208
41.82	Newport Inglewood Connected alt 1	CA	1.3	89		strike slip	0	11	208
41.82	Newport-Inglewood, alt 1	CA	1	88		strike slip	0	15	65
42.77	Newport-Inglewood (Offshore)	CA	1.5	90	V	strike slip	0	10	66
45.40	Hollywood	CA	1	70	N	strike slip	0	17	17
48.44	Santa Monica Connected alt 2	CA	2.4	44		strike slip	0.8	11	93
49.60	Lenwood-Lockhart-Old Woman Springs	CA	0.9	90	V	strike slip	0	13	145
51.02	Sierra Madre (San Fernando)	CA	2	45	N	thrust	0	13	18
51.03	San Gabriel	CA	1	61	N	strike slip	0	15	71
51.74	Palos Verdes	CA	3	90	V	strike slip	0	14	99
51.74	Palos Verdes Connected	CA	3	90	V	strike slip	0	10	285
53.63	Johnson Valley (No)	CA	0.6	90	V	strike slip	0	16	35
55.69	Santa Monica, alt 1	CA	1	75	N	strike slip	0	18	14
55.69	Santa Monica Connected alt 1	CA	2.6	51		strike slip	0	16	79
56.05	Elsinore;J	CA	3	84	NE	strike slip	0	19	75
56.05	Elsinore;J+CM	CA	3	84	NE	strike slip	0	17	118
56.18	Northridge	CA	1.5	35	S	thrust	7.4	17	33
58.20	Landers	CA	0.6	90	V	strike slip	0	15	95

58.97	Burnt Mtn	CA	0.6	67	W	strike slip	0	16	21
60.10	Eureka Peak	CA	0.6	90	V	strike slip	0	15	19
60.51	So Emerson-Copper Mtn	CA	0.6	90	V	strike slip	0	14	54
60.94	Coronado Bank	CA	3	90	V	strike slip	0	9	186
62.27	Malibu Coast, alt 1	CA	0.3	75	N	strike slip	0	8	38
62.27	Malibu Coast, alt 2	CA	0.3	74	N	strike slip	0	16	38
62.75	Gravel Hills-Harper Lk	CA	0.7	90	V	strike slip	0	11	65
62.91	Santa Susana, alt 1	CA	5	55	N	reverse	0	16	27
63.85	Anacapa-Dume, alt 2	CA	3	41	N	thrust	1.2	12	65
65.25	Rose Canyon	CA	1.5	90	V	strike slip	0	8	70
66.20	San Jacinto;CC+B+SM	CA	n/a	90	V	strike slip	0.2	14	103
66.20	San Jacinto;CC	CA	4	90	V	strike slip	0	16	43
66.20	San Jacinto;CC+B	CA	n/a	90	V	strike slip	0.2	14	77
66.48	Calico-Hidalgo	CA	1.8	90	V	strike slip	0	14	117
66.67	San Jacinto;C	CA	14	90	V	strike slip	0	17	47
67.78	Holser, alt 1	CA	0.4	58	S	reverse	0	19	20
69.08	Blackwater	CA	0.5	90	V	strike slip	0	12	60
71.31	S. San Andreas;CO	CA	20	90	V	strike slip	0.6	11	69
71.86	Pisgah-Bullion Mtn-Mesquite Lk	CA	0.8	90	V	strike slip	0	13	88
72.23	Anacapa-Dume, alt 1	CA	3	45	N	thrust	0	16	51
73.70	Simi-Santa Rosa	CA	1	60		strike slip	1	12	39
74.88	S. San Andreas;CC+BB+NM	CA	n/a	90	V	strike slip	0	15	146

74.88	S. San Andreas;PK+CH+CC+BB+NM	CA	n/a	90	V	strike slip	0.1	12	245
74.88	S. San Andreas;BB+NM	CA	n/a	90	V	strike slip	0	15	87
74.88	S. San Andreas;CH+CC+BB+NM	CA	n/a	90	V	strike slip	0	14	208
74.88	S. San Andreas;NM	CA	27	90	V	strike slip	0	15	37
76.81	Oak Ridge Connected	CA	3.6	53		reverse	0.6	15	94
76.81	Oak Ridge (Onshore)	CA	4	65	S	reverse	1	19	49
78.63	Earthquake Valley	CA	2	90	V	strike slip	0	19	20
79.74	San Cayetano	CA	6	42	N	thrust	0	16	42
85.88	Garlock;GE+GC+GW	CA	n/a	90	V	strike slip	0.3	12	256
85.88	Garlock;GW	CA	6	90	V	strike slip	0.7	14	98
85.88	Garlock;GC+GW	CA	n/a	90	V	strike slip	0.4	12	210
90.04	Garlock;GC	CA	7	90	V	strike slip	0	12	111
90.04	Garlock;GE+GC	CA	n/a	90	V	strike slip	0	12	156
90.71	So Sierra Nevada	CA	0.1	50	E	normal	0	14	112
90.88	Santa Ynez (East)	CA	2	70	S	strike slip	0	13	68
90.88	Santa Ynez Connected	CA	2	70		strike slip	0	11	132
92.79	San Jacinto;B	CA	4	90	V	strike slip	0.7	13	34
92.79	San Jacinto;B+SM	CA	n/a	90	V	strike slip	0.4	12	61
97.16	S. San Andreas;PK+CH+CC+BB	CA	n/a	90	V	strike slip	0.1	12	208
97.16	S. San Andreas;CH+CC+BB	CA	n/a	90	V	strike slip	0	14	171
97.16	S. San Andreas;BB	CA	34	90	V	strike slip	0	15	50
97.16	S. San Andreas;CC+BB	CA	n/a	90	V	strike slip	0	15	109
98.75	Elsinore;CM	CA	3	82	NE	strike	0	13	39

						slip			
99.19	Ventura-Pitas Point	CA	1	64	N	reverse	1	15	44
99.19	Pitas Point Connected	CA	1	55		reverse	1.2	13	78

Liquefaction Susceptibility Analysis: SPT Method

Leighton

Youd and Idriss (2001), Martin and Lew (1999)

Description: JPI Fontana; Case 1; PGAm 0.81; design GW 268; No overex 0

Project No.: 13584.001

Jun 2022

General Boring Information:

Boring No.	Existing GW Depth (ft)	Design GW Depth (ft)	Design Fill Height (ft)	Overex. depth bgs (ft)	Ground Surface Elev (ft)	design gw elve
B-2	268	268		0	1112	844
B-3	268	268		0	1106	838
B-4	268	268		0	1113	845
B-5	268	268		0	1109	841
B-7	268	268		0	1106	838
						0
						0
						0
						0
						0
						0
						0
						0
						0
						0
						0

Boring Location Coordinates	
X (ft)	Y (ft)
188	-108
692	-516
697	-96
336	-298
221	-521

General Parameters:

a_{max} = 0.81g

M_W = 8.1

MSF eq: 1

MSF = 0.82

Hammer Efficiency = 84

C_E = 1.40

C_B = 1

C_S for SPT? TRUE

Unlined, but room for liner

Rod Stickup (feet) = 3

Ring sample correction = 0.65

Summary of Liquefaction Susceptibility Analysis: SPT Method

Leighton

Liquefaction Method: Youd and Idriss (2001). Seismic Settlement Method: Tokimatsu and Seed (1987) and Martin and Lew (1999).

Project: JPI Fontana; Case 1; PGAm 0.81; design GW 268; No overex 0

Project No.: 13584.001

Boring No.	Approx. Layer Depth (ft)	SPT Depth (ft)	Approx Layer Thick-ness (ft)	Plasticity ("n"=non susc. to liq.)	Estimated Fines Cont (%)	γ_t (pcf)	N_m or B (blows/ft)	Sampler Type (enter 2 if mod CA Ring)	Cs	N_m (corrected for Cs and ring->SPT) (blows/ft)	Exist σ_{vo}' (psf)	$(N_1)_{60}$	$(N_1)_{60CS}$	**$CRR_{7.5}$**	Design σ_{vo}' (psf)	$CSR_{7.5}$	CSR_M	**Liquefaction Factor of Safety**	$(N_1)_{60CS}$ (for Settle-ment) (blows/ft)	Dry Sand Strain (%) (Tok/ Seed 87) (%)	Sat Sand Strain (%) (Tok/ Seed 87) (%)	Seismic Sett. of Layer (in.)	**Cummulative Seismic Settlement** (in.)
B-2	0 to 4.5	3	4.5		5	120	46	2	1	29.9	360	53.4	53.4	>Range	360	0.52	0.64	**NonLiq**	53.4	0.02		0.01	0.7
B-2	4.5 to 8.0	6	3.5		5	120	20	2	1	13.0	720	23.2	23.2	0.260	720	0.52	0.63	**NonLiq**	23.2	0.37		0.16	0.6
B-2	8.0 to 12.5	10	4.5		5	120	36	2	1	23.4	1200	36.7	36.7	>Range	1200	0.51	0.63	**NonLiq**	36.7	0.28		0.15	0.5
B-2	12.5 to 17.5	15	5.0		5	120	62	2	1	40.3	1800	51.7	51.7	>Range	1800	0.51	0.62	**NonLiq**	51.7	0.04		0.02	0.3
B-2	17.5 to 22.5	20	5.0		5	120	68	2	1	44.2	2400	54.8	54.8	>Range	2400	0.50	0.61	**NonLiq**	54.8	0.05		0.03	0.3
B-2	22.5 to 27.5	25	5.0		5	120	100	2	1	65.0	3000	72.1	72.1	>Range	3000	0.50	0.60	**NonLiq**	72.1	0.06		0.03	0.3
B-2	27.5 to 32.0	30	4.5		10	120	39	2	1	25.4	3600	27.0	28.5	0.388	3600	0.49	0.60	**NonLiq**	28.5	0.47		0.25	0.3
B-3	0 to 4.0	3	4.0		10	120	12	2	1	7.8	360	13.9	15.1	0.161	360	0.52	0.64	**NonLiq**	15.1	1.03		0.49	3.9
B-3	4.0 to 7.5	5	3.5		10	120	15	2	1	9.8	600	17.4	18.6	0.199	600	0.52	0.63	**NonLiq**	18.6	1.50		0.63	3.4
B-3	7.5 to 12.5	10	5.0		25	120	18	2	1	11.7	1200	18.4	24.8	0.287	1200	0.51	0.63	**NonLiq**	24.8	0.70		0.42	2.8
B-3	12.5 to 17.5	15	5.0		5	120	40	2	1	26.0	1800	33.3	33.3	>Range	1800	0.51	0.62	**NonLiq**	33.3	0.18		0.11	2.4
B-3	17.5 to 22.5	20	5.0		10	120	19	2	1	12.4	2400	15.3	16.5	0.176	2400	0.50	0.61	**NonLiq**	16.5	1.49		0.89	2.3
B-3	22.5 to 27.5	25	5.0		25	120	18	2	1	11.7	3000	13.0	18.8	0.201	3000	0.50	0.60	**NonLiq**	18.8	1.61		0.97	1.4
B-3	27.5 to 32.0	30	4.5		25	120	21	2	1	13.7	3600	14.6	20.5	0.222	3600	0.49	0.60	**NonLiq**	20.5	0.75		0.40	0.4
B-4	0 to 4.0	3	4.0		5	120	22	2	1	14.3	360	25.5	25.5	0.303	360	0.52	0.64	**NonLiq**	25.5	0.32		0.15	1.4
B-4	4.0 to 7.5	5	3.5		5	120	19	2	1	12.4	600	22.0	22.0	0.243	600	0.52	0.63	**NonLiq**	22.0	0.95		0.40	1.3
B-4	7.5 to 12.5	10	5.0		25	120	15	2	1	9.8	1200	15.3	21.4	0.233	1200	0.51	0.63	**NonLiq**	21.4	0.81		0.48	0.9
B-4	12.5 to 17.5	15	5.0		25	120	46	2	1	29.9	1800	38.3	47.0	>Range	1800	0.51	0.62	**NonLiq**	47.0	0.04		0.02	0.4
B-4	17.5 to 22.5	20	5.0		25	120	58	2	1	37.7	2400	46.8	56.4	>Range	2400	0.50	0.61	**NonLiq**	56.4	0.05		0.03	0.4
B-4	22.5 to 27.5	25	5.0		5	120	73	2	1	47.5	3000	52.6	52.6	>Range	3000	0.50	0.60	**NonLiq**	52.6	0.09		0.05	0.3
B-4	27.5 to 32.0	30	4.5		25	120	28	2	1	18.2	3600	19.4	25.9	0.311	3600	0.49	0.60	**NonLiq**	25.9	0.52		0.28	0.3
B-5	0 to 7.5	5	7.5		10	120	28	2	1	18.2	600	32.5	34.1	>Range	600	0.52	0.63	**NonLiq**	34.1	0.34		0.31	1.1
B-5	7.5 to 12.5	10	5.0		5	120	26	2	1	16.9	1200	26.5	26.5	0.326	1200	0.51	0.63	**NonLiq**	26.5	0.65		0.39	0.8
B-5	12.5 to 17.5	15	5.0		25	120	20	2	1	13.0	1800	16.7	22.9	0.255	1800	0.51	0.62	**NonLiq**	22.9	0.56		0.34	0.4
B-5	17.5 to 22.0	20	4.5		5	120	68	2	1	44.2	2400	54.8	54.8	>Range	2400	0.50	0.61	**NonLiq**	54.8	0.05		0.03	0.0
B-7	0 to 4.5	3	4.5		25	120	16	2	1	10.4	360	18.6	25.0	0.292	360	0.52	0.64	**NonLiq**	25.0	0.34		0.18	1.9
B-7	4.5 to 8.0	6	3.5		5	120	14	2	1	9.1	720	16.2	16.2	0.173	720	0.52	0.63	**NonLiq**	16.2	0.86		0.36	1.7
B-7	8.0 to 12.5	10	4.5		25	120	17	2	1	11.1	1200	17.3	23.6	0.267	1200	0.51	0.63	**NonLiq**	23.6	0.73		0.39	1.3
B-7	12.5 to 17.5	15	5.0		25	120	32	2	1	20.8	1800	26.7	34.0	>Range	1800	0.51	0.62	**NonLiq**	34.0	0.18		0.11	1.0
B-7	17.5 to 22.5	20	5.0		25	120	70	2	1	45.5	2400	56.4	67.2	>Range	2400	0.50	0.61	**NonLiq**	67.2	0.04		0.03	0.8
B-7	22.5 to 27.5	25	5.0		5	120	40	2	1	26.0	3000	28.8	28.8	0.403	3000	0.50	0.60	**NonLiq**	28.8	0.92		0.55	0.8
B-7	27.5 to 32.0	30	4.5		60	120	26	2	1	16.9	3600	18.0	26.6	0.328	3600	0.49	0.60	**NonLiq**	26.6	0.51		0.27	0.3

Liquefaction Susceptibility Analysis: SPT Method

Leighton

Youd and Idriss (2001), Martin and Lew (1999)

Description: JPI Fontana; Case 4; PGAm 0.81; existing GW 322; Overex. 8

Project No.: 13584.001

Jun 2022

General Boring Information:

Boring No.	Existing GW Depth (ft)	Design GW Depth (ft)	Design Fill Height (ft)	Overex. depth bgs (ft)	Ground Surface Elev (ft)	design gw elve
B-2	268	322		8	1112	790
B-3	268	322		8	1106	784
B-4	268	322		8	1113	791
B-5	268	322		8	1109	787
B-7	268	322		8	1106	784
						0
						0
						0
						0
						0
						0
						0
						0
						0
						0
						0

Boring Location Coordinates	
X (ft)	Y (ft)
188	-108
692	-516
697	-96
336	-298
221	-521

General Parameters:

a_{max} = 0.81g

M_W = 8.1

MSF eq: 1

MSF = 0.82

Hammer Efficiency = 84

C_E = 1.40

C_B = 1

C_S for SPT? TRUE

Unlined, but room for liner

Rod Stickup (feet) = 3

Ring sample correction = 0.65

Summary of Liquefaction Susceptibility Analysis: SPT Method

Leighton

Liquefaction Method: Youd and Idriss (2001). Seismic Settlement Method: Tokimatsu and Seed (1987) and Martin and Lew (1999).

Project: JPI Fontana; Case 4; PGAm 0.81; existing GW 322; Overex. 8

Project No.: 13584.001

Boring No.	Approx. Layer Depth (ft)	SPT Depth (ft)	Approx Layer Thick-ness (ft)	Plasticity ("n"=non susc. to liq.)	Estimated Fines Cont (%)	γ_t (pcf)	N_m or B (blows/ft)	Sampler Type (enter 2 if mod CA Ring)	Cs	N_m (corrected for Cs and ring->SPT) (blows/ft)	Exist σ_{vo}' (psf)	$(N_1)_{60}$	$(N_1)_{60CS}$	**$CRR_{7.5}$**	Design σ_{vo}' (psf)	$CSR_{7.5}$	CSR_M	**Liquefaction Factor of Safety**	$(N_1)_{60CS}$ (for Settle-ment) (blows/ft)	Dry Sand Strain (%) (Tok/ Seed 87) (%)	Sat Sand Strain (%) (Tok/ Seed 87) (%)	Seismic Sett. of Layer (in.)	**Cummulative Seismic Settlement** (in.)
B-2	0 to 4.5	3	4.5	OX	5	120	50	1	1.3	65.0	360	116.0	116.0	>Range	360	0.52	0.64	**NonLiq**	116.0	0.00		0.00	0.5
B-2	4.5 to 8.0	6	3.5	OX	5	120	50	1	1.3	65.0	720	116.0	116.0	>Range	720	0.52	0.63	**NonLiq**	116.0	0.00		0.00	0.5
B-2	8.0 to 12.5	10	4.5		5	120	36	2	1	23.4	1200	36.7	36.7	>Range	1200	0.51	0.63	**NonLiq**	36.7	0.28		0.15	0.5
B-2	12.5 to 17.5	15	5.0		5	120	62	2	1	40.3	1800	51.7	51.7	>Range	1800	0.51	0.62	**NonLiq**	51.7	0.04		0.02	0.3
B-2	17.5 to 22.5	20	5.0		5	120	68	2	1	44.2	2400	54.8	54.8	>Range	2400	0.50	0.61	**NonLiq**	54.8	0.05		0.03	0.3
B-2	22.5 to 27.5	25	5.0		5	120	100	2	1	65.0	3000	72.1	72.1	>Range	3000	0.50	0.60	**NonLiq**	72.1	0.06		0.03	0.3
B-2	27.5 to 32.0	30	4.5		10	120	39	2	1	25.4	3600	27.0	28.5	0.388	3600	0.49	0.60	**NonLiq**	28.5	0.47		0.25	0.3
B-3	0 to 4.0	3	4.0	OX	10	120	50	1	1.3	65.0	360	116.0	119.4	>Range	360	0.52	0.64	**NonLiq**	119.4	0.00		0.00	2.8
B-3	4.0 to 7.5	5	3.5	OX	10	120	50	1	1.3	65.0	600	116.0	119.4	>Range	600	0.52	0.63	**NonLiq**	119.4	0.00		0.00	2.8
B-3	7.5 to 8.0	10	0.5	OX	25	120	50	1	1.3	65.0	1200	102.0	118.1	>Range	1200	0.51	0.63	**NonLiq**	118.1	0.00		0.00	2.8
B-3	8.0 to 12.5	10	4.5		25	120	18	2	1	11.7	1200	18.4	24.8	0.287	1200	0.51	0.63	**NonLiq**	24.8	0.70		0.38	2.8
B-3	12.5 to 17.5	15	5.0		5	120	40	2	1	26.0	1800	33.3	33.3	>Range	1800	0.51	0.62	**NonLiq**	33.3	0.18		0.11	2.4
B-3	17.5 to 22.5	20	5.0		10	120	19	2	1	12.4	2400	15.3	16.5	0.176	2400	0.50	0.61	**NonLiq**	16.5	1.49		0.89	2.3
B-3	22.5 to 27.5	25	5.0		25	120	18	2	1	11.7	3000	13.0	18.8	0.201	3000	0.50	0.60	**NonLiq**	18.8	1.61		0.97	1.4
B-3	27.5 to 32.0	30	4.5		25	120	21	2	1	13.7	3600	14.6	20.5	0.222	3600	0.49	0.60	**NonLiq**	20.5	0.75		0.40	0.4
B-4	0 to 4.0	3	4.0	OX	5	120	50	1	1.3	65.0	360	116.0	116.0	>Range	360	0.52	0.64	**NonLiq**	116.0	0.00		0.00	0.8
B-4	4.0 to 7.5	5	3.5	OX	5	120	50	1	1.3	65.0	600	116.0	116.0	>Range	600	0.52	0.63	**NonLiq**	116.0	0.00		0.00	0.8
B-4	7.5 to 8.0	10	0.5	OX	25	120	50	1	1.3	65.0	1200	102.0	118.1	>Range	1200	0.51	0.63	**NonLiq**	118.1	0.00		0.00	0.8
B-4	8.0 to 12.5	10	4.5		25	120	15	2	1	9.8	1200	15.3	21.4	0.233	1200	0.51	0.63	**NonLiq**	21.4	0.81		0.44	0.8
B-4	12.5 to 17.5	15	5.0		25	120	46	2	1	29.9	1800	38.3	47.0	>Range	1800	0.51	0.62	**NonLiq**	47.0	0.04		0.02	0.4
B-4	17.5 to 22.5	20	5.0		25	120	58	2	1	37.7	2400	46.8	56.4	>Range	2400	0.50	0.61	**NonLiq**	56.4	0.05		0.03	0.4
B-4	22.5 to 27.5	25	5.0		5	120	73	2	1	47.5	3000	52.6	52.6	>Range	3000	0.50	0.60	**NonLiq**	52.6	0.09		0.05	0.3
B-4	27.5 to 32.0	30	4.5		25	120	28	2	1	18.2	3600	19.4	25.9	0.311	3600	0.49	0.60	**NonLiq**	25.9	0.52		0.28	0.3
B-5	0 to 7.5	5	7.5	OX	10	120	50	1	1.3	65.0	600	116.0	119.4	>Range	600	0.52	0.63	**NonLiq**	119.4	0.00		0.00	0.7
B-5	7.5 to 8.0	10	0.5	OX	5	120	50	1	1.3	65.0	1200	102.0	102.0	>Range	1200	0.51	0.63	**NonLiq**	102.0	0.00		0.00	0.7
B-5	8.0 to 12.5	10	4.5		5	120	26	2	1	16.9	1200	26.5	26.5	0.326	1200	0.51	0.63	**NonLiq**	26.5	0.65		0.35	0.7
B-5	12.5 to 17.5	15	5.0		25	120	20	2	1	13.0	1800	16.7	22.9	0.255	1800	0.51	0.62	**NonLiq**	22.9	0.56		0.34	0.4
B-5	17.5 to 22.0	20	4.5		5	120	68	2	1	44.2	2400	54.8	54.8	>Range	2400	0.50	0.61	**NonLiq**	54.8	0.05		0.03	0.0
B-7	0 to 4.5	3	4.5	OX	25	120	50	1	1.3	65.0	360	116.0	133.7	>Range	360	0.52	0.64	**NonLiq**	133.7	0.00		0.00	1.3
B-7	4.5 to 8.0	6	3.5	OX	5	120	50	1	1.3	65.0	720	116.0	116.0	>Range	720	0.52	0.63	**NonLiq**	116.0	0.00		0.00	1.3
B-7	8.0 to 12.5	10	4.5		25	120	17	2	1	11.1	1200	17.3	23.6	0.267	1200	0.51	0.63	**NonLiq**	23.6	0.73		0.39	1.3
B-7	12.5 to 17.5	15	5.0		25	120	32	2	1	20.8	1800	26.7	34.0	>Range	1800	0.51	0.62	**NonLiq**	34.0	0.18		0.11	1.0
B-7	17.5 to 22.5	20	5.0		25	120	70	2	1	45.5	2400	56.4	67.2	>Range	2400	0.50	0.61	**NonLiq**	67.2	0.04		0.03	0.8

Boring No.	Approx. Layer Depth (ft)	SPT Depth (ft)	Approx Layer Thick-ness (ft)	Plasticity ("n"=non susc. to liq.)	Estimated Fines Cont (%)	γ_t (pcf)	N_m or B (blows/ft)	Sampler Type (enter 2 if mod CA Ring)	Cs	N_m (corrected for Cs and ring->SPT) (blows/ft)	Exist σ_{vo}' (psf)	$(N_1)_{60}$	$(N_1)_{60CS}$	**$CRR_{7.5}$**	Design σ_{vo}' (psf)	$CSR_{7.5}$	CSR_M	**Liquefaction Factor of Safety**	$(N_1)_{60CS}$ (for Settle-ment) (blows/ft)	Dry Sand Strain (%) (Tok/ Seed 87) (%)	Sat Sand Strain (%) (Tok/ Seed 87) (%)	Seismic Sett. of Layer (in.)	**Cummulative Seismic Settlement** (in.)
B-7	22.5 to 27.5	25	5.0		5	120	40	2	1	26.0	3000	28.8	28.8	0.403	3000	0.50	0.60	**NonLiq**	28.8	0.92		0.55	0.8
B-7	27.5 to 32.0	30	4.5		60	120	26	2	1	16.9	3600	18.0	26.6	0.328	3600	0.49	0.60	**NonLiq**	26.6	0.51		0.27	0.3

APPENDIX E

GENERAL EARTHWORK AND GRADING SPECIFICATIONS

LEIGHTON AND ASSOCIATES, INC.

GENERAL EARTHWORK AND GRADING SPECIFICATIONS FOR ROUGH GRADING

Table of Contents

Section			Page
1.0	GENERAL		1
	1.1	Intent	1
	1.2	The Geotechnical Consultant of Record	1
	1.3	The Earthwork Contractor	2
2.0	PREPARATION OF AREAS TO BE FILLED		2
	2.1	Clearing and Grubbing	2
	2.2	Processing	3
	2.3	Overexcavation	3
	2.4	Benching	3
	2.5	Evaluation/Acceptance of Fill Areas	3
3.0	FILL MATERIAL		4
	3.1	General	4
	3.2	Oversize	4
	3.3	Import	4
4.0	FILL PLACEMENT AND COMPACTION		4
	4.1	Fill Layers	4
	4.2	Fill Moisture Conditioning	4
	4.3	Compaction of Fill	5
	4.4	Compaction of Fill Slopes	5
	4.5	Compaction Testing	5
	4.6	Frequency of Compaction Testing	5
	4.7	Compaction Test Locations	5
5.0	SUBDRAIN INSTALLATION		6
6.0	EXCAVATION		6
7.0	TRENCH BACKFILLS		6
	7.1	Safety	6
	7.2	Bedding and Backfill	6
	7.3	Lift Thickness	6
	7.4	Observation and Testing	6

1.0 General

1.1 Intent: These General Earthwork and Grading Specifications are for the grading and earthwork shown on the approved grading plan(s) and/or indicated in the geotechnical report(s). These Specifications are a part of the recommendations contained in the geotechnical report(s). In case of conflict, the specific recommendations in the geotechnical report shall supersede these more general Specifications. Observations of the earthwork by the project Geotechnical Consultant during the course of grading may result in new or revised recommendations that could supersede these specifications or the recommendations in the geotechnical report(s).

1.2 The Geotechnical Consultant of Record: Prior to commencement of work, the owner shall employ the Geotechnical Consultant of Record (Geotechnical Consultant). The Geotechnical Consultants shall be responsible for reviewing the approved geotechnical report(s) and accepting the adequacy of the preliminary geotechnical findings, conclusions, and recommendations prior to the commencement of the grading.

Prior to commencement of grading, the Geotechnical Consultant shall review the "work plan" prepared by the Earthwork Contractor (Contractor) and schedule sufficient personnel to perform the appropriate level of observation, mapping, and compaction testing.

During the grading and earthwork operations, the Geotechnical Consultant shall observe, map, and document the subsurface exposures to verify the geotechnical design assumptions. If the observed conditions are found to be significantly different than the interpreted assumptions during the design phase, the Geotechnical Consultant shall inform the owner, recommend appropriate changes in design to accommodate the observed conditions, and notify the review agency where required. Subsurface areas to be geotechnically observed, mapped, elevations recorded, and/or tested include natural ground after it has been cleared for receiving fill but before fill is placed, bottoms of all "remedial removal" areas, all key bottoms, and benches made on sloping ground to receive fill.

The Geotechnical Consultant shall observe the moisture-conditioning and processing of the subgrade and fill materials and perform relative compaction testing of fill to determine the attained level of compaction. The Geotechnical Consultant shall provide the test results to the owner and the Contractor on a routine and frequent basis.

1.3 The Earthwork Contractor: The Earthwork Contractor (Contractor) shall be qualified, experienced, and knowledgeable in earthwork logistics, preparation and processing of ground to receive fill, moisture-conditioning and processing of fill, and compacting fill. The Contractor shall review and accept the plans, geotechnical report(s), and these Specifications prior to commencement of grading. The

Contractor shall be solely responsible for performing the grading in accordance with the plans and specifications.

The Contractor shall prepare and submit to the owner and the Geotechnical Consultant a work plan that indicates the sequence of earthwork grading, the number of "spreads" of work and the estimated quantities of daily earthwork contemplated for the site prior to commencement of grading. The Contractor shall inform the owner and the Geotechnical Consultant of changes in work schedules and updates to the work plan at least 24 hours in advance of such changes so that appropriate observations and tests can be planned and accomplished. The Contractor shall not assume that the Geotechnical Consultant is aware of all grading operations.

The Contractor shall have the sole responsibility to provide adequate equipment and methods to accomplish the earthwork in accordance with the applicable grading codes and agency ordinances, these Specifications, and the recommendations in the approved geotechnical report(s) and grading plan(s). If, in the opinion of the Geotechnical Consultant, unsatisfactory conditions, such as unsuitable soil, improper moisture condition, inadequate compaction, insufficient buttress key size, adverse weather, etc., are resulting in a quality of work less than required in these specifications, the Geotechnical Consultant shall reject the work and may recommend to the owner that construction be stopped until the conditions are rectified.

2.0 Preparation of Areas to be Filled

2.1 Clearing and Grubbing: Vegetation, such as brush, grass, roots, and other deleterious material shall be sufficiently removed and properly disposed of in a method acceptable to the owner, governing agencies, and the Geotechnical Consultant.

The Geotechnical Consultant shall evaluate the extent of these removals depending on specific site conditions. Earth fill material shall not contain more than 1 percent of organic materials (by volume). No fill lift shall contain more than 5 percent of organic matter. Nesting of the organic materials shall not be allowed.

If potentially hazardous materials are encountered, the Contractor shall stop work in the affected area, and a hazardous material specialist shall be informed immediately for proper evaluation and handling of these materials prior to continuing to work in that area.

As presently defined by the State of California, most refined petroleum products (gasoline, diesel fuel, motor oil, grease, coolant, etc.) have chemical constituents that are considered to be hazardous waste. As such, the indiscriminate dumping or spillage of these fluids onto the ground may constitute a misdemeanor, punishable by fines and/or imprisonment, and shall not be allowed.

2.2 Processing: Existing ground that has been declared satisfactory for support of fill by the Geotechnical Consultant shall be scarified to a minimum depth of 6 inches. Existing ground that is not satisfactory shall be overexcavated as specified in the following section. Scarification shall continue until soils are broken down and free of large clay lumps or clods and the working surface is reasonably uniform, flat, and free of uneven features that would inhibit uniform compaction.

2.3 Overexcavation: In addition to removals and overexcavations recommended in the approved geotechnical report(s) and the grading plan, soft, loose, dry, saturated, spongy, organic-rich, highly fractured or otherwise unsuitable ground shall be overexcavated to competent ground as evaluated by the Geotechnical Consultant during grading.

2.4 Benching: Where fills are to be placed on ground with slopes steeper than 5:1 (horizontal to vertical units), the ground shall be stepped or benched. Please see the Standard Details for a graphic illustration. The lowest bench or key shall be a minimum of 15 feet wide and at least 2 feet deep, into competent material as evaluated by the Geotechnical Consultant. Other benches shall be excavated a minimum height of 4 feet into competent material or as otherwise recommended by the Geotechnical Consultant. Fill placed on ground sloping flatter than 5:1 shall also be benched or otherwise overexcavated to provide a flat subgrade for the fill.

2.5 Evaluation/Acceptance of Fill Areas: All areas to receive fill, including removal and processed areas, key bottoms, and benches, shall be observed, mapped, elevations recorded, and/or tested prior to being accepted by the Geotechnical Consultant as suitable to receive fill. The Contractor shall obtain a written acceptance from the Geotechnical Consultant prior to fill placement. A licensed surveyor shall provide the survey control for determining elevations of processed areas, keys, and benches.

3.0 Fill Material

3.1 General: Material to be used as fill shall be essentially free of organic matter and other deleterious substances evaluated and accepted by the Geotechnical Consultant prior to placement. Soils of poor quality, such as those with unacceptable gradation, high expansion potential, or low strength shall be placed in areas acceptable to the Geotechnical Consultant or mixed with other soils to achieve satisfactory fill material.

3.2 Oversize: Oversize material defined as rock, or other irreducible material with a maximum dimension greater than 8 inches, shall not be buried or placed in fill unless location, materials, and placement methods are specifically accepted by the Geotechnical Consultant. Placement operations shall be such that nesting of oversized material does not occur and such that oversize material is completely surrounded by compacted or densified fill. Oversize material shall not be placed within 10 vertical feet of finish grade or within 2 feet of future utilities or underground construction.

3.3 Import: If importing of fill material is required for grading, proposed import material shall meet the requirements of Section 3.1. The potential import source shall be given to the Geotechnical Consultant at least 48 hours (2 working days) before importing begins so that its suitability can be determined and appropriate tests performed.

4.0 Fill Placement and Compaction

4.1 Fill Layers: Approved fill material shall be placed in areas prepared to receive fill (per Section 3.0) in near-horizontal layers not exceeding 8 inches in loose thickness. The Geotechnical Consultant may accept thicker layers if testing indicates the grading procedures can adequately compact the thicker layers. Each layer shall be spread evenly and mixed thoroughly to attain relative uniformity of material and moisture throughout.

4.2 Fill Moisture Conditioning: Fill soils shall be watered, dried back, blended, and/or mixed, as necessary to attain a relatively uniform moisture content at or slightly over optimum. Maximum density and optimum soil moisture content tests shall be performed in accordance with the American Society of Testing and Materials (ASTM Test Method D1557-91).

4.3 Compaction of Fill: After each layer has been moisture-conditioned, mixed, and evenly spread, it shall be uniformly compacted to not less than 90 percent of maximum dry density (ASTM Test Method D1557-91). Compaction equipment shall be adequately sized and be either specifically designed for soil compaction or of proven reliability to efficiently achieve the specified level of compaction with uniformity.

4.4 Compaction of Fill Slopes: In addition to normal compaction procedures specified above, compaction of slopes shall be accomplished by backrolling of slopes with sheepsfoot rollers at increments of 3 to 4 feet in fill elevation, or by other methods producing satisfactory results acceptable to the Geotechnical Consultant. Upon completion of grading, relative compaction of the fill, out to the slope face, shall be at least 90 percent of maximum density per ASTM Test Method D1557-91.

4.5 Compaction Testing: Field tests for moisture content and relative compaction of the fill soils shall be performed by the Geotechnical Consultant. Location and frequency of tests shall be at the Consultant's discretion based on field conditions encountered. Compaction test locations will not necessarily be selected on a random basis. Test locations shall be selected to verify adequacy of compaction levels in areas that are judged to be prone to inadequate compaction (such as close to slope faces and at the fill/bedrock benches).

4.6 Frequency of Compaction Testing: Tests shall be taken at intervals not exceeding 2 feet in vertical rise and/or 1,000 cubic yards of compacted fill soils embankment. In addition, as a guideline, at least one test shall be taken on slope faces for each 5,000 square feet of slope face and/or each 10 feet of vertical height of slope. The Contractor shall assure that fill construction is such that the testing schedule can be accomplished by the Geotechnical Consultant. The Contractor shall stop or slow down the earthwork construction if these minimum standards are not met.

4.7 Compaction Test Locations: The Geotechnical Consultant shall document the approximate elevation and horizontal coordinates of each test location. The Contractor shall coordinate with the project surveyor to assure that sufficient grade stakes are established so that the Geotechnical Consultant can determine the test locations with sufficient accuracy. At a minimum, two grade stakes within a horizontal distance of 100 feet and vertically less than 5 feet apart from potential test locations shall be provided.

5.0 Subdrain Installation

Subdrain systems shall be installed in accordance with the approved geotechnical report(s), the grading plan, and the Standard Details. The Geotechnical Consultant may recommend additional subdrains and/or changes in subdrain extent, location, grade, or material depending on conditions encountered during grading. All subdrains shall be surveyed by a land surveyor/civil engineer for line and grade after installation and prior to burial. Sufficient time should be allowed by the Contractor for these surveys.

6.0 Excavation

Excavations, as well as over-excavation for remedial purposes, shall be evaluated by the Geotechnical Consultant during grading. Remedial removal depths shown on geotechnical plans are estimates only. The actual extent of removal shall be determined by the Geotechnical Consultant based on the field evaluation of exposed conditions during grading. Where fill-over-cut slopes are to be graded, the cut portion of the slope shall be made, evaluated, and accepted by the Geotechnical Consultant prior to placement of materials for construction of the fill portion of the slope, unless otherwise recommended by the Geotechnical Consultant.

7.0 Trench Backfills

7.1 Safety: The Contractor shall follow all OHSA and Cal/OSHA requirements for safety of trench excavations.

7.2 Bedding and Backfill: All bedding and backfill of utility trenches shall be done in accordance with the applicable provisions of Standard Specifications of Public Works Construction. Bedding material shall have a Sand Equivalent greater than 30 (SE>30). The bedding shall be placed to 1 foot over the top of the conduit and densified by jetting. Backfill shall be placed and densified to a minimum of 90 percent of maximum from 1 foot above the top of the conduit to the surface.

The Geotechnical Consultant shall test the trench backfill for relative compaction. At least one test should be made for every 300 feet of trench and 2 feet of fill.

7.3 Lift Thickness: Lift thickness of trench backfill shall not exceed those allowed in the Standard Specifications of Public Works Construction unless the Contractor can demonstrate to the Geotechnical Consultant that the fill lift can be compacted to the minimum relative compaction by his alternative equipment and method.

7.4 Observation and Testing: The jetting of the bedding around the conduits shall be observed by the Geotechnical Consultant.

Appendix F-1
Phase I ESA

DRAFT PHASE I ENVIRONMENTAL SITE ASSESSMENT

PROPOSED JEFFERSON FONTANA MIXED-USE RESIDENTIAL DEVELOPMENT SOUTHWEST OF THE INTERSECTION OF JUNIPER AVENUE AND VALLEY BOULEVARD FONTANA, CALIFORNIA

Prepared For: **JPI COMPANIES**
11988 EL CAMINO REAL, SUITE 200
SAN DIEGO, CALIFORNIA 92130

Prepared By: **LEIGHTON AND ASSOCIATES, INC.**
10532 ACACIA STREET SUITE B6
RANCHO CUCAMONGA, CALIFORNIA 91730

Project No. 13584.001

June 24, 2022

Leighton and Associates, Inc.
A Leighton Group Company

June 24, 2022

Project No. 13584.001

JPI Companies
11988 El Camino Real, Suite 200
San Diego, California 92130

Attention: Mr. Jay Adamowitz

Subject: Draft Phase I Environmental Site Assessment
Proposed Fontana Mixed- Use Residential Development
Southwest of the Intersection of Juniper Avenue and Valley Boulevard
Fontana, California

Leighton and Associates, Inc. (Leighton) is pleased to present this Phase I Environmental Site Assessment Report for the Proposed Mixed-Use Residential Development located at the Southwest of the Intersection of Juniper Avenue and Valley Boulevard in the city of Fontana, California (Site). Leighton declares that, to the best of our professional knowledge and belief, we meet the definition of Environmental Professional as defined in §312.10 of 40 Code of Federal Regulations (CFR) 312, ASTM International (ASTM) Standard E1527-13, and the recently published ASTM Standard E1527-21.

Leighton has the specific qualifications based on education, training, and experience to assess a property of the nature, history, and setting of the Site. Leighton has developed and performed the all-appropriate inquiries in conformance with the standards and practices set forth in 40 CFR Part 312.

If you have questions regarding this report, please contact us. We appreciate the opportunity to be of service to JPI COMPANIES.

Respectfully submitted,
LEIGHTON AND ASSOCIATES, INC.

Tracy Roberts
Staff Geologist

James P. Cunneen, JD, PE
Managing Director

TMR/JPC/rsm
Distribution: (1 PDF) Address

TABLE OF CONTENTS

Section Page

1.0 INTRODUCTION 1
1.1 Authorization 1
1.2 Purpose 1
1.3 Scope of Work 2
1.4 Significant Assumptions 2
1.5 Limitations and Exceptions 2
1.6 Special Terms and Conditions 3
1.7 User Reliance 4
1.8 Important Information about Geoenvironmental Reports 4
2.0 SITE DESCRIPTION 5
2.1 Location and Legal Description 5
2.2 Subject Site Vicinity General Characteristics 5
2.3 Current Use of the Subject Site 5
2.4 Descriptions of Structures, Roads and Other Improvements on the Property 5
2.5 Current Uses of Adjoining Properties 6
3.0 USER PROVIDED INFORMATION 7
3.1 Environmental Liens or Activity and Use Limitations 7
3.2 Specialized Knowledge 7
3.3 Commonly Known or Reasonably Ascertainable Information 7
3.4 Valuation Reduction for Environmental Issues 7
3.5 Owner, Property Manager, and Occupant Information 7
3.6 Reason for Performing Phase I ESA 7
3.7 Other 7
4.0 RECORDS REVIEW 8
4.1 Physical Setting Source(s) 8
4.1.1 Topography 8
4.1.2 Surface Water 8
4.1.3 Geology and Soils 8
4.1.4 Hydrogeology 9
4.1.5 Oil and Gas Fields 9
4.1.6 Radon 9
4.2 Standard Environmental Record Sources 9

TABLE OF CONTENTS (Continued)

Section Page

4.2.1 Subject Site 10
4.2.2 Offsite 10
4.2.3 Regulatory Agency Contacts 13
A copy of agency requests and responses is provided in Appendix E. 16
4.2.4 Other Reports 16
4.2.5 Vapor Encroachment 19
4.3 Historical Use Information on the Property 20
5.0 SITE RECONNAISSANCE 26
5.1 Methodology and Limiting Conditions 26
5.2 General Property Setting 26
5.3 Exterior and Interior Observations 26
5.3.1 Hazardous Substances, Drums, and Other Chemical Containers 26
5.3.2 Storage Tanks 27
5.3.3 Polychlorinated Biphenyls (PCBs) 27
5.3.4 Waste Disposal 27
5.3.5 Dumping 27
5.3.6 Pits, Ponds, Lagoons, Septic Systems, Wastewater, Drains, Cisterns, and Sumps 28
5.3.7 Pesticide Use 28
5.3.8 Staining, Discolored Soils and Corrosion 28
5.3.9 Stressed Vegetation 28
5.3.10 Unusual Odors 28
5.3.11 Onsite Wells 28
5.3.12 Other Observations 29
6.0 INTERVIEWS 30
6.1 Interview with Owner 30
6.2 Interview with Property Manager 30
6.3 Interviews with Occupants 30
6.4 Interviews with Local Government Officials 30
6.5 Interviews with Others 30
7.0 FINDINGS 31
7.1 Onsite 31

TABLE OF CONTENTS (Continued)

Section Page

7.2 Offsite 33
7.3 Data Gaps 34
8.0 CONCLUSIONS AND RECOMMENDATIONS 35
9.0 DEVIATIONS 37
10.0 ADDITIONAL SERVICES 38
11.0 QUALIFICATIONS OF ENVIRONMENTAL PROFESSIONALS 39
11.1 Corporate 39
11.2 Individual 39
11.3 Environmental Professional Statement 39

List of Accompanying Illustrations and Appendices

Figure 1 – Site Location Map
Figure 2 – Site and Adjoining Properties

Appendix A – References
Appendix B – Site Reconnaissance Photos
Appendix C – Interview Forms
Appendix D – Environmental Radius Report and Vapor Encroachment Screen
Appendix E – Agency Records
Appendix F – Historical Research Documentation
Appendix G – GBA Geoenvironmental Report

1.0 INTRODUCTION

1.1 Authorization

Leighton and Associates, Inc. (Leighton) performed a Phase I Environmental Site Assessment (ESA) of the property located southwest of the intersection of Juniper Avenue and Valley Boulevard in the city of Fontana, California (Site – Figure 1). The Phase I ESA was prepared in accordance with the authorization of JPI COMPANIES.

1.2 Purpose

The purpose of the Phase I ESA was to identify, to the extent feasible and pursuant to the processes prescribed in ASTM International (ASTM) Standards E1527-13 and E1527-21, recognized environmental conditions (RECs), historical RECs (HRECs), or controlled RECs (CRECs) in connection with the Site. The definition of RECs, HRECs, CRECs, and *de minimis* conditions presented below are in accordance with ASTM E1527-13, the current EPA recognized standard for Comprehensive Environmental Response, Compensation and Liability Act (CERCLA) liability protections.

RECs are defined, according to ASTM E1527-13 as "*the presence or likely presence of any hazardous substances or petroleum products in, on, or at a property: (1) due to any release to the environment; (2) under conditions indicative of a release to the environment; or (3) under conditions that pose a material threat of a future release to the environment. De minimis conditions are not RECs."*

HRECs are defined, according to ASTM E1527-13 as "*a past release of any hazardous substances or petroleum products that has occurred in connection with the property and has been addressed to the satisfaction of the applicable regulatory authority or meeting unrestricted use criteria established by a regulatory authority, without subjecting the property to any required controls.*"

CRECs are defined, according to ASTM E1527-13 as "*a REC resulting from a past release of hazardous substances or petroleum products that has been addressed to the satisfaction of the applicable regulatory authority, with hazardous substances or petroleum products allowed to remain in place subject to the implementation of required controls.*" (ASTM E1527-13, 2013).

DRAFT

De minimis conditions are defined by ASTM 1527-13 as *"a condition that generally does not present a threat to human health or the environment and that generally would not be the subject of an enforcement action if brought to the attention of appropriate governmental agencies. Conditions determined to be de minimis conditions are not RECs nor CRECs."* (ASTM E1527-12, 2013).

1.3 Scope of Work

The scope of work was performed in accordance with Leighton's proposal, RC22-234, dated May 25, 2022 and included the following tasks:

- A reconnaissance-level visit of the Site for evidence of the release(s) of hazardous materials and petroleum products and to assess the potential for onsite releases of hazardous materials and petroleum products;
- Records review (including review of previous environmental reports, selected governmental databases, and historical review);
- Interviews; and
- Preparation of this report presenting our findings.

1.4 Significant Assumptions

Leighton assumes that the purpose of this Phase I ESA is to provide appropriate inquiry into the previous ownership and use of the Site so that the Client may qualify for the CERCLA landowner liability protections as defined in CERCLA, 42 USC §9601(35)(B). Leighton also assumes that the information provided by the Client and its agents, regulatory database provider, and regulatory agencies is true and reliable.

1.5 Limitations and Exceptions

Leighton performed the Phase I ESA of the Site in conformance with the scope and limitations of ASTM E1527-13, also incorporating procedures as prescribed in the new ASTM Standard E1527-21. Other than the non-scope items shown in Section 1.6 that were not applicable, there were no exceptions to, or deletions from, this practice.

DRAFT

This Phase I ESA was conducted in a manner consistent with the level of care and skill ordinarily exercised by members of the profession currently practicing in the same locality under similar conditions.

The observations and conclusions presented in this report are professional opinions based on the scope of activities, work schedule, and information obtained through the Phase I ESA described herein. Opinions presented herein apply to property conditions existing at the time of our study and cannot necessarily be taken to apply to property conditions or changes that we are not aware of or have not had the opportunity to evaluate. It must be recognized that conclusions drawn from these data are limited to the amount, type, distribution, and integrity of the information collected at the time of the investigation, the methods utilized to collect and evaluate the data, and that a full and complete determination of environmental risks cannot be made. Although Leighton has taken steps to obtain true copies of available information, we make no representation or warranty with respect to the accuracy or completeness of this information.

This practice does not address whether requirements in addition to all appropriate inquiry have been met in order to qualify for the landowner liability protections including the continuing obligation not to impede the integrity and effectiveness of activity and use limitations, or the duty to take reasonable steps to prevent releases, or the duty to comply with legally required release reporting obligations. Users should also be aware that there are likely to be other legal obligations with regard to hazardous substances or petroleum products discovered on the Site that are not addressed in this practice and that may pose risks of civil and/or criminal sanctions for non-compliance.

1.6 Special Terms and Conditions

The scope of work for this Phase I ESA did not include testing of electrical equipment for the presence of PCBs or collection of other environmental samples such as soil, groundwater, air, building materials, paint, or other media; assessment of natural hazards such as naturally occurring asbestos, radon gas or methane gas; assessment of the potential presence of radionuclides; or assessment of nonchemical hazards such as the potential for damage from earthquakes or floods, or the presence of endangered species or wildlife habitats. This Phase I ESA also did not include an extensive assessment of the

DRAFT

environmental compliance status of the Site or of businesses operating at the Site.

1.7 User Reliance

This report is for the exclusive use of the JPI COMPANIES (JPI). Use of this report by any other party shall be at such party's sole risk.

1.8 Important Information about Geoenvironmental Reports

JPI is referred to Appendix H regarding important information provided by Geoprofessional Business Association (GBA) on geoenvironmental studies and reports.

DRAFT

2.0 SITE DESCRIPTION

2.1 Location and Legal Description

The Site is located southwest of the intersection of Juniper Avenue and Valley Boulevard in the city of Fontana, California (Figure 1). The San Bernardino County Assessor's office has designated the Site as Assessor Parcel Numbers (APNs) 025132135; 025132117, -18, -19, -20, -21, -22, -23, -24, -25, -26, and -27; and 025117119. There are no current addresses associated with the Site; however, addresses historically associated with the Site consist of the following: 16605, 16617, 16627, 16637, 16649, and 16655 Valley Boulevard; and 10172, 10182, and 10120 Juniper Avenue.

2.2 Subject Site Vicinity General Characteristics

The Site vicinity is generally developed with an apartment complex, a retail shopping center, restaurants, a gym, and single-family residences.

2.3 Current Use of the Subject Site

The Site is an approximate 11.5-acre lot that is currently vacant (Appendix B, Photos 6 through 22).

2.4 Descriptions of Structures, Roads and Other Improvements on the Property

The Site is vacant with no structures. A large concrete pad was observed in the southeastern portion of the Site. Asphalt paved areas were observed in the northwestern portion of the Site.

DRAFT

2.5 Current Uses of Adjoining Properties

Properties adjoining the Site are described in the table below.

PROPERTIES ADJOINING SUBJECT SITE		
Direction	**Address**	**Company Name/Site Use**
North	Various	Paseo Verde Apartments (**Photo 1, Appendix B**).
East	Various	Retail Shopping Center: The Spot Barber Shop, Cardenas Markets, and Pep Boys, and various others (**Photo 2, Appendix B**).
South and East	10200 Juniper Ave; 10210 Juniper Ave.	Planet Fitness; Pancho Villa's Fresh Grill, Tequila & Entertainment (**Photo 3, Appendix B**).
South	N/A	A concrete lined channel, and I-10 Freeway further south.
South and West	16592 Washington Dr.	Single Family Residence (**Photo 4, Appendix B**).
West	16593 Valley Blvd.	Deseret Industries Thrift Store & Donation Center (**Photo 5, Appendix B**).

DRAFT

3.0 USER PROVIDED INFORMATION

The User of this Phase I ESA is identified as JPI COMPANIES, (JPI). As a part of the ASTM E1527-13/-21 process, a User Questionnaire was forwarded to JPI. As of the date of this report, a completed questionnaire has not been received by the client. Considering all other information gathered in this assessment, this is a data gap of low significance.

3.1 Environmental Liens or Activity and Use Limitations

A completed copy of the User Questionnaire has not been received by the client.

3.2 Specialized Knowledge

A completed copy of the User Questionnaire has not been received by the client.

3.3 Commonly Known or Reasonably Ascertainable Information

A completed copy of the User Questionnaire has not been received by the client.

3.4 Valuation Reduction for Environmental Issues

A completed copy of the User Questionnaire has not been received by the client.

3.5 Owner, Property Manager, and Occupant Information

A completed copy of the User Questionnaire has not been received by the client.

3.6 Reason for Performing Phase I ESA

A completed copy of the User Questionnaire has not been received by the client.

3.7 Other

No additional information was provided by JPI, with the exception of a previous Phase I ESA completed for the Site by EBI Consulting and further discussed in Section 4.2.4.

DRAFT

4.0 RECORDS REVIEW

4.1 Physical Setting Source(s)

Leighton reviewed pertinent maps and readily available literature for information on the physiography and hydrogeology of the Site. A summary of this information is presented in the following subsections.

4.1.1 Topography

The Site is located in Section 19 of Township 01 South, Range 05 West of the San Bernardino Baseline and Meridian. Topographic map coverage of the Site vicinity is provided by the United States Geological Survey (USGS) Fontana, California Quadrangle (2018). The elevation of the Site is approximately 1115 feet above mean sea level and the topography is relatively flat with a gentle slope to the south-southwest.

4.1.2 Surface Water

Surface water was not observed on the Site. The nearest surface water feature is a concrete lined channel located adjoining the southernmost portion of the Site approximately 70 feet across Washington Drive.

4.1.3 Geology and Soils

The site is located on a gently sloping alluvial plain descending southward from the San Gabriel and San Bernardino Mountains. This area is within the Chino Basin in the northern portion of the Peninsular Ranges geomorphic province of California. The region is an area of crustal disturbance as the relatively northwestward-migrating Peninsular Ranges Province interacts with the Transverse Ranges Province (which includes the San Gabriel Mountains) to the north. Several active or potentially active faults have been mapped in the region and are believed to accommodate compression and lateral displacement associated with this crustal interaction.

The site region is underlain by thick accumulation of young alluvial fan deposits (Morton, 2003) consisting of pebbly and cobbly deposits that have been eroded and transported via Lytle Creek from the San Gabriel Mountains and deposited in the site vicinity.

DRAFT

4.1.4 Hydrogeology

The Site is located in the Upper Santa Ana Valley Groundwater Basin, within the Chino subbasin. Existing beneficial uses of groundwater in this subbasin include: municipal, agricultural, industrial and process supply (SARWQCB, 2019).

Information provided in the Geotracker database for a LUST case for Valley Texaco Station (10115 Sierra Avenue), approximately 1425 feet east of the Site, estimated groundwater to be greater than 300 feet bgs in 2006 (Geotracker, 2022). Based on the topography of the Site and general vicinity, groundwater is estimated to flow south-southwest.

4.1.5 Oil and Gas Fields

Leighton reviewed the California Geologic Energy Management Division (CalGEM) Well Finder online database on June 20, 2022.

The Site is not mapped within an oil field and no oil wells were identified on the Site or within 0.50-miles of the Site.

4.1.6 Radon

Radon is not regulated within the State of California. Nonetheless, the California Department of Public Health (CDPH) and the United States Environmental Protection Agency (US EPA) both recommend a threshold of 4 picocuries per liter (pCi/L) above which certain precautions be taken to mitigate radon buildup in structures.

The CDPH maintains a database of indoor radon levels that are sorted by zip code. According to the most recent update prepared in February 2016, 59 tests were completed in the Site zip code of 92335 and none of the tests exceeded 4 pCi/L. Therefore, there appears to be low potential for radon to adversely affect the Site.

4.2 Standard Environmental Record Sources

A search of selected government databases was conducted by Leighton using the EDR Radius Map™ Report with GeoCheck® environmental database report system, dated June 7, 2022. Details and descriptions of the database search are provided in the EDR database report. The database report meets the government

DRAFT

records search requirements of ASTM E1527-13/-21 Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process. The database listings were reviewed within the specified radii established by the ASTM E1527-13/-21. A copy of this report is included in Appendix D.

4.2.1 Subject Site

The Site was not identified in the EDR database report.

4.2.2 Offsite

Information in the EDR database report was reviewed for facilities of potential environmental concern to the Site. Additionally, the SWRCB Geotracker website and Department of Toxic Substances Control (DTSC) Envirostor website were used to supplement the information in the EDR database report.

Provided below is a brief summary of some of the more notable offsite database listings, either due to their proximity to the Site and/or nature of their listing:

NOTABLE LISTINGS	
LISTING NAME	**ADDRESS / LOCATION**
DESERET INDUSTRIES	**16593 Valley BLVD**
Desert Industries is located on the western adjoining property and is listed in the RCRA NONGEN/NLR database as a RCRA Non generator. No violations or evaluations are found in the database listing. Based on the database listing type, and since no violations are identified in the listing information, i**t is our opinion this offsite listing is unlikely to have created a REC on the Site.**	
PEP BOYS #680 **PEP BOYS STORE#0680** **IEH AUTO PARTS LLC DBA AUTO PLUS #680 (IEH AUTO PARTS)**	**16711 Valley BLVD**
Pep Boys #680 and IEH Auto Parts are located on the eastern adjoining property approximately 110 feet across Juniper Avenue. Pep Boys #680 is listed in the CERS HAZ WASTE, FINDS, SAN BERN. CO. PERMIT, CERS, and RCRA-SQG databases for general automotive repair, parts, and accessories. CERS reviewed in the database listing for Pep Boys #680 included operational and maintenance violations for	

recordkeeping, reporting, and labelling. One notable violation, dated 10/8/2014, reported small spills in the hazardous materials storage area related to the transfer of oil to the main waste oil storage tank (returned to compliance on 10/08/2014). Another notable violation, dated 11/8/2017, reported a spill of petroleum in one corner of the hazardous material storage room (returned to compliance on 09/23/2020).

IEH Auto Parts is listed in the RCRA NONGEN/NLR database as a RCRA Non generator. No violations or evaluations are found in the database listing for IEH Auto Parts.

Based on the database listings reviewed, and given the CERS violations reported under Pep Boys #680 revealed spills that were localized to the hazardous materials storage area and later returned to compliance, **it is our opinion these off-Site database listings are unlikely to have created a REC on the Site. However, due to the automotive nature of the business operating near the Site, a Vapor Encroachment Condition (VEC) cannot be ruled out.**

CARDENAS MARKETS #7 EXPO NUMBER 600	**16721 Valley BLVD**

Cardenas Markets is located on the eastern adjoining property approximately 220 feet across Juniper Avenue and is listed in the CERS HAZ WASTE, SAN BERN CO PERMIT, CERS, and RCRA NONGEN/NLR databases as an active, hazardous waste generator, and chemical storage facility. No violations are indicated in the listings reviewed.

Expo Number 600 is listed in the RCRA-SQG, FINDS, and ECHO databases as a small quantity generator with no violations or evaluations found in the database listings.

It is our opinion these off-Site listings are unlikely to have created a REC on the Site.

ACT COMPLIANCE DBA FLEETSERV	**16516 WASHINGTON DR.**

ACT Compliance DBA Fleetserv is located approximately 310 feet southwest of the Site and is listed in the CERS HAZ WASTE, HAZNET, SAN BERN. CO, PERMIT, CERS, HWTS, and RCRA NONGEN/NLR databases as a hazardous waste generator, chemical storage facility, and has an active Hazardous Materials 1-3 Chemicals permit. The facility has numerous CERS violations reported for recordkeeping, labelling, reporting, and training violations. **It is our opinion these off-Site database listings are unlikely to have created a REC on the Site.**

PREMIER TRANSMISSION	**16584 Valley Boulevard**
Premier Transmission is plotted approximately 380 feet north of the Site and is listed in the EDR HIST AUTO database for a former automotive transmission repair shop from at least 2006 through 2012 with no additional information available for review. **Given this database listing is plotted in an area that has been redeveloped into an apartment complex, and since there are no other database listings indicating a reported release of petroleum or other hazardous materials from this facility, it is our opinion this database listing is unlikely to have created a REC on the Site. However, based on the automotive nature of the listing, a VEC cannot be ruled out.**	
LONSDALE TRUCKING	**16556 Valley Boulevard**
Lonsdale Trucking is plotted approximately 440 feet northwest of the Site and is listed in the SAN BERN CO. PERMIT and HWTS databases for inactive permits for former trucking operations that include: special generator, special handler, and conditionally exempt small quantity generator. **Given this database listing is plotted in an area that has been redeveloped into an apartment complex, and since there are no other database listings indicating a reported release of petroleum or other hazardous materials from this facility, it is our opinion this database listing is unlikely to have created a REC on the Site. However, due to the automotive nature of the listing, a VEC cannot be ruled out.**	
SIERRA ASSEMBLAGE ZONE 1 – PROPERTY 12	**16628 BOYLE AVENUE**
Sierra Assemblage Zone 1- Property 12 is plotted approximately 440 feet south of the southernmost portion of the Site and is listed in the RCRA NONGEN/NLR database as a RCRA Non generator. No violations or evaluations are found in the database listing. **Based on the database listing type, and since no violations are identified in the listing information, it is our opinion this offsite listing is unlikely to have created a REC on the Site.**	
INTERNATIONAL RADIATIOR	**16770 VALLEY BLVD**
International Radiator is located approximately 520 feet northeast of the Site and is listed in the CERS HAZ WASTE, HAZNET, SAN BERN CO PERMIT CERS, and HWTS databases as a hazardous waste generator, an active permit for Hazardous Materials 1-3 Chemicals, a Small Quantity Generator, and Chemical Storage Facility for general automotive repair operations. A review of CERS violations revealed operational violations, recordkeeping violations, reporting violations, and labelling violations. Based on the distance from the Site, and the lack of information indicating a release of petroleum or other hazardous materials, it is our opinion these listings are unlikely to have created a REC on the Site.	

The remaining listings identified in the EDR database report were reviewed and not interpreted to pose an adverse risk to the Site at the time of this report preparation based on one or more of the following:

- Type of release (soil);
- Closure received from regulatory agency;
- Distance of the facility to the Site; and
- Direction of groundwater flow (S-SW) and location of the facility to the Site (cross-gradient/down-gradient).

A review of reported "Orphan" facilities also indicated no concerns.

4.2.3 Regulatory Agency Contacts

Leighton researched other reasonably ascertainable, local and regional regulatory agency records. The results are summarized below:

SAN BERNARDINO COUNTY FIRE PROTECTION DISTRICT – HAZARDOUS MATERIALS DIVISION (SBCFPD)
A request for records search was made to the SBCFPD using the Site APNs of 025132135, & -17 through -27, and 025117119, and historic addresses of 16605, 16617, 16627, 16637, 16649, and 16655 Valley Blvd; and 10172, 10182, and 10120 Juniper Avenue. On June 23, 2022, the SBCFPD responded in a letter stating that no records were found for the Site.
STATE OF CALIFORNIA DEPARTMENT OF TOXIC CONTROL SUBSTANCES (DTSC)
A request for records search was made to the DTSC Cypress office using the Site APNs of 025132135, & -17 through -27, and 025117119, and historic addresses of 16605, 16617, 16627, 16637, 16649, and 16655 Valley Blvd; and 10172, 10182, and 10120 Juniper Avenue. The DTSC Cypress office responded by indicating no site records were found pertaining to the Site.

DTSC ENVIROSTOR DATABASE (ENVIROSTOR)
An online review of the Envirostor database on June 20, 2022 revealed no listings on the Site. One listing was identified within a .50-mile radius of the Site: Kaiser Permanente – Fontana (9961 Sierra Avenue) – This database record is for a tiered permit and is listed as Inactive – Needs Evaluation. **Given the nature of the listing and the distance from the Site, it is our opinion that this listing does not affect the Site with a REC.**
SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT (SCAQMD)
An online records search was completed using the SCAQMD F.I.N.D database on June 20, 2022. The database reported no records associated with the Site or immediately adjoining properties (SCAQMD, 2022).
CITY OF FONTANA – BUILDING AND SAFETY/CITY CLERK (COF)
A request for records search was made to the COF, Building and Safety Department/ City Clerk using the Site APNs of 025132135, & -17 through -27, and 025117119, and historic addresses of 16605, 16617, 16627, 16637, 16649, and 16655 Valley Blvd; and 10172, 10182, and 10120 Juniper Avenue. The COF responded by indicating various permits were found pertaining to the Site. Permits reviewed did not reveal items of environmental concern; however, one permit issued 11/15/2000, was to repair a failed seepage pit for a 1,000-gallon septic tank on APN 025132127. **Septic tanks are not generally considered a REC associated with the Site; however, based on the age of the former structures on this APN and the age and use of the former structures north of this property location, care should be taken during grading operations to look for any evidence of dumping associated with the seepage pit.**

SANTA ANA REGIONAL WATER QUALITY CONTROL BOARD (SARWQCB)

A request for records search was made to the SARWQCB using the Site historic addresses of 16605, 16617, 16627, 16637, 16649, and 16655 Valley Blvd; and 10172, 10182, and 10120 Juniper Avenue. The SARWQCB responded by indicating no files were found pertaining to the Site.

GEOTRACKER

A review of the Geotracker database on June 20, 2022 revealed no listings associated with the Site. Three closed LUST cases, and three permitted UST facilities were identified within a 0.50-mile radius of the Site (Geotracker, 2022).

Valley Texaco Station (10115 Sierra Avenue) – This facility is located approximately 1425 feet east of the Site. Two database records exist for this facility. One record is listed as Completed – Case Closed as of 11/22/2006 for diesel-impacted soil. A review of the case closure summary revealed that the concentrations of TPH-d detected were minor and an estimated depth to groundwater was indicated to be greater than 300 feet bgs. Another database record is listed as Completed – Case Closed as of 03/28/1995 for gasoline-impacted soil discovered in June 1993. No additional information is provided. **Based on the distance from the Site, the localized soil impacts, information indicating a depth of groundwater of at least 300 feet bgs, and the agency closure status, it is our opinion this database listing does not have the potential to affect the Site with a REC.**

Arco #1815 (10087 Sierra Blvd) – This facility is located approximately 1440 feet northeast of the Site and is listed as Completed – Case Closed as of 01/29/1991. No potential contaminants of concern and no media of concern are identified for a leak reported in September 1990. **Based on the distance from the Site and the agency's closure status, it is our opinion this listing does not affect the Site with a REC.**

Based on the distance of the UST permits, it is our opinion these permits are not likely to have created a REC associated with the Site.

NATIONAL PIPELINE MAPPING SYSTEM (NPMS)

An online review of the NPMS database on June 20, 2022 revealed no natural gas transmission pipelines, and no reported accidents (gas or liquids) on the Site or within 0.50-mile radius of the Site. A hazardous liquid pipeline, operated by SFPP, LP, for a Non-HVL product, was identified approximately 515 feet south of the southernmost portion of the Site. **Given there are no indications of an accident or release related to the pipeline, it is our opinion, this database listing is unlikely to have created a REC on the Site.**

DRAFT

A copy of agency requests and responses is provided in Appendix E.

4.2.4 Other Reports

The client provided the following one historical environmental report for review:

Report of Phase I Environmental Site Assessment, Juniper Valley, Valley Boulevard & Juniper Avenue, Fontana, California – This Phase I was prepared by EBI Consulting (EBI), for JG Management Co., Inc.; Juniper Valley, LLC; The Baralat Company; Key Bank National Association and Key Corporate Capital, Inc.; its Successors and/or Assigns, and is dated January 29, 2008. It was prepared for approximately 11.80 acres that at the time of the report encompassed San Bernardino County Assessor Parcel Numbers: 0257-171-19, 0251-321-02, 0251-321-15 through 0251-321-27, and portions of Parcels 0251-321-01, -03, and -14. At the time of this report, the subject property was improved with a single-story; single-family home with an area of approximately 1,000+/- feet and with the exception of a street to be abandoned and a concrete pad in the southeastern portion of the subject property, the remaining portions of the subject property consisted of undeveloped land. This assessment was completed in conformance with a prior version of Phase I ESA standards/guidelines (i.e. ASTM E 1527-05) (EBI, 2008).

This prior Phase I stated that three previous reports had been prepared for the subject property that included: Results of Focused Subsurface Investigation, Thompson Building Materials Site, 10172 Juniper Avenue, Fontana, California, prepared by Environmental Audit, Inc. (EAI), dated April 24, 1992; a Phase I ESA Report, Proposed Rotolo Chevrolet Facility, Southwest Corner of Valley Boulevard and Juniper Avenue, Fontana, California prepared by Enviropro, Inc. dated November 25, 1997; and a Soil Gas Investigation Report, Proposed Rotolo Chevrolet Facility, Southwest Corner of Valley Boulevard and Juniper Avenue, Fontana, California prepared by Enviropro, Inc. However, a copy of these reports was not available for review by Leighton, nor were they provided by the client or owner representative.

EBI reported the following *recognized environmental condition* (REC), *de minimus conditio*ns, and *condition outside of the scope of* ASTM Practice E 1527-05 in connection with the subject property:

- EBI identified an unlabeled, abandoned 55-gallon drum located in the western portion of the Subject Property. The drum was partially full of an unknown substance and was tipped on it's side. A soil stain, approximately twelve square feet in size, was observed beneath the drum. The stained soil exhibited a petroleum odor to a depth of approximately six inched below ground surface. EBI recommended that the contents of the drum be characterized and properly disposed of in accordance with applicable state and local requirements and that the contaminated soil in the area of the drum be excavated and that a clearance sample be collected to ensure that all contaminated soil had been removed.

- A gasoline UST was reportedly removed from the Subject Property circa 1978. Subsequent soil samples collected from the area of the former UST in 1992 identified minor concentrations of benzene and toluene. Results of the subsurface investigation were submitted to the SBDEHS for review. The SBDEHS issued a letter dated July 7, 1992 that states: "This Department has reviewed the report submitted on April 24, 1992 by Environmental Audit for the facility at 10172 Juniper Avenue, Fontana, CA. The results indicate that the amount of contamination is below that which is generally considered a problem and further investigation is not warranted at this time." A copy of the letter was appended to this report. Further, a soil gas survey conducted in 1997 found no petroleum hydrocarbons in soil gasses in the vicinity of the former UST. Based upon the documented regulatory closure, this condition was considered a *historic recognized environmental condition* (HREC), and no further action was recommended.

- EBI observed scattered discarded debris, trash, and other solid waste, including household trash, concrete, asphalt, green wastes, and wood scraps throughout the undeveloped portions of the Subject Property. The presence of this discarded debris was considered a *de minimis condition* and EBI recommended these items be disposed of by a licensed waste hauler.

DRAFT

- EBI identified the potential presence of abandoned septic systems on the Subject Property lands. The septic systems serviced single-family homes and a mobile home park historically located on-site. Based on the type of waste streams that were discharged to any septic systems potentially utilized on-site, it was not anticipated that any hazardous substances would have been discharged to the systems. The presence of historic septic systems on-site was considered a *de minimis condition* and EBI recommended that any historic septic systems discovered during future development be abandoned/removed in accordance with applicable regulations.

- EBI conducted a limited visual screening survey for the presence of asbestos-containing materials (ACM) at the Subject Property. EBI identified friable suspect ACM in the form of wall surfacing materials and sheetrock/joint compound composite material, and non-friable suspect ACM in the form of sheet vinyl flooring, wall plaster, exterior stucco, various construction mastics and caulking, and roofing materials. These materials were observed to be undamaged and in good condition at the time of inspection. Based on the condition of suspect ACM, these materials did not pose a significant environmental threat to the occupants of the Subject Property. Asbestos was a condition outside the scope of ASTM E 1527-05 and was not considered a recognized environmental condition (REC). EBI recommended that all ACM identified be bulk sampled by a licensed asbestos inspector prior to any renovation or demolition activities and any materials that are determined to be asbestos-containing through bulk sampling should be removed by a licensed abatement contractor prior to renovation or demolition activities that would disturb these materials.

After completing a review of EBI's Phase I ESA findings identifying the former gasoline UST associated with the Site as a HREC, it is our opinion that based on the previous subsurface investigations reported in the former Phase I ESA, and the County of San Bernardino Environmental Health Services Division (SBCEHS) closure letter dated July 7, 1992, the former UST is considered an HREC associated with the Site. A copy of the SBCEHS letter is provided in Appendix C.

DRAFT

4.2.5 Vapor Encroachment

Leighton reviewed the Vapor Encroachment Screen (VES) produced using EDR's Vapor Encroachment Worksheet application that gathers regulatory database information from the accompanying Radius Report and allows the user to integrate groundwater information, regional geology, and other information to evaluate the concern for potential vapor encroachment from onsite activities and from adjacent properties. The VES application was designed by EDR to assist parties seeking to meet the search requirements of the ASTM Standard Practice for Assessment of Vapor Encroachment into Structures on Property Involved in Real Estate Transactions (E2600-10), also referred to as the Tier 1 VES, as defined by ASTM E2600-10.

Based on information provided in the EDR database report, and other historical documents summarized in Section 4.3 of this report, Vapor Encroachment Conditions (VEC) cannot be ruled out for the following EDR listings:

- Pep Boys #680, (16711 Valley Blvd), is located on the eastern adjoining property approximately 110 feet across Juniper Avenue. This facility performs automotive services and maintenance. Based on the automotive nature of this facility, a VEC cannot be ruled out for this facility; however, since there are no reported significant releases at this facility, a VEC is unlikely to affect the Site at the time of this report.

- Premier Transmission, (16584 Valley Blvd), is plotted approximately 380 feet north of the Site. This former facility was listed as an automotive transmission repair shop from at least 2006 through 2012. Based on the automotive nature of this facility, a VEC cannot be ruled out for this former facility; however, since this facility's former location has since been redeveloped into an apartment complex, it is unlikely to affect the Site with a VEC.

- Lonsdale Trucking, (16556 Valley Blvd), is plotted approximately 440 feet northwest of the Site. This former facility was listed as a trucking company. Based on the automotive nature of this facility, a VEC cannot be ruled out for this former facility; however, since this

facility's former location has since been redeveloped into an apartment complex, it is unlikely to affect the Site with a VEC.

4.3 Historical Use Information on the Property

Leighton reviewed select historical resources to determine previous Site and surrounding property uses. These resources were reviewed for evidence of activities, which would suggest the presence of hazardous substances at the Site, and to evaluate the potential for the Site to be impacted by offsite sources of contamination. Following is a summary of our review of those resources.

Info Type	Years	Source	Summary of Results
Topo Maps	1896 1898 1901 1942 1943 1953 1954 1967 1973 1975 1980 2012 2015 2018	EDR	• **1896, 1898, and 1901**: No structures, tanks, wells, or other features are depicted on the Site or on the adjoining properties. A railroad is depicted in the vicinity south of the Site. • **1942 and 1943**: A single structure is depicted in the northernmost portion of the Site and another single structure is depicted overlapping the southernmost portion of the Site. No tanks, wells, or other features are depicted on the Site. Present day Valley Boulevard is depicted along the northern boundary of the Site, present day Juniper Avenue is depicted along the eastern boundary of the Site, and present day Washington Drive is depicted along the southernmost boundary of the Site. Two structures and a driveway is depicted on the northern adjoining property in map from 1942 and by the 1943 map two additional structures are depicted on the northern adjoining property. Two structures are depicted on the eastern adjoining property in map from 1942 and by the 1943 map only one structure is depicted on the eastern adjoining property. One structure is depicted on the western adjoining property. No structures, tanks, or other features are depicted on the south and east adjoining property. Numerous additional structures are depicted in the vicinity surrounding the Site. • **1953, 1954**: Fourteen structures are depicted in the central to northern portion of the Site, two structures are depicted in the southeastern portion of the Site, and one structure overlaps the southern most portion of the Site and the south and east adjoining property. The western portion of the Site is depicted as agriculture. No tanks, wells, or other features are depicted on the Site. Eight structure and agricultural use is depicted on the northern adjoining property, four structures are depicted on the eastern adjoining property, four structures are depicted on the south and

DRAFT

Info Type	Years	Source	Summary of Results
			east adjoining property, four structures are depicted on the south and west adjoining property, and agricultural use is depicted on the western adjoining property. Present day I-10 Freeway is depicted in the vicinity south of the Site. • **1967, 1973, 1975, 1980**: Six structures are depicted along the northern edge of the Site, one structure and a trailer park with associated road are depicted in the northeastern portion of the Site, and one elongated structure and three smaller structures are depicted in the southeastern portion of the Site. In the map from 1967 one structure overlaps the southernmost portion of the Site to the east and one to the west and in the 1973 and 1980 maps two additional structures overlap the southernmost portion of the Site to the east. Agricultural use is depicted in the western portion of the Site. No tanks, wells, or other features are depicted on the Site. No structures are depicted in the map from 1975. A well is depicted on the southeast adjoining property. Numerous structures and agricultural use is depicted on the northern adjoining property. No significant changes are depicted on the remaining adjoining properties. • **2012, 2015, and 2018**: No structures, tanks, or wells are depicted on the Site or on the adjoining properties with the exception of a well depicted on the southeast adjoining property across Juniper Avenue. Taylor Avenue is depicted intersecting the northwestern portion of the Site in map from 2018. Present day Valley Boulevard is depicted along the northern boundary, present day Juniper Avenue is depicted along the eastern boundary, and present day Washington Drive is depicted along the southernmost portion of the Site. A stream channel is also depicted along the southern boundary of the Site.
Aerial Photos	1938 1948 1953 1966 1975 1985 1990 1994 2002 2006 2009 2012 2016	EDR	• **1938 and 1948**: Agriculture use is visible throughout the Site and by 1948; approximately five rural residences are visible in the north central portion of the Site with associated outbuildings in the central portion of the Site and agricultural use was reduced to areas south, east and west of the residences. A single-family residence with outbuildings is visible in the northeastern portion of the Site and a rural residence and/or farm related structure is visible in the southeastern portion of the Site. The surrounding properties appear to be used for agriculture/orchard use. By the 1948 photo, several rural residences and/or outbuildings with orchards are visible on the northern adjoining property and the southernmost adjoining property appears to be developed with a channel and highway. A single rural residence with outbuildings and agriculture use are visible on the eastern most adjoining property and agriculture use

DRAFT

Info Type	Years	Source	Summary of Results
			is visible on the western most adjoining property. A single-family residence or outbuilding is located on the south and western adjoining property and several rural residences/farmhouses and orchard use are visible on the south and east-adjoining property. • **1953**: An additional rural residence with related outbuildings are visible in the northwestern and western portions of the Site. Additional outbuildings are visible in the southwestern portion of the Site and a single-family residence with outbuildings are visible in the southernmost portion of the Site. No significant changes are visible through the remainder of the Site. An additional farm related structure or commercial structure is visible in a cleared area on the northern adjoining property, additional rural residences and/or outbuildings are visible on the eastern most adjoining property. No significant changes are visible on the remaining adjoining properties. • **1959, 1966, 1975, and 1985**: What appears to be a mobile home park with numerous trailer homes and a central building are visible in the northeastern portion of the Site. Agricultural use appeared to be reduced to the western portion of the Site in the 1966 photo, and no longer appeared to be used on the Site from at least the 1975 photo. A commercial building and cleared area is visible in the center eastern portion of the Site. In the 1966 photo numerous trucks and what appears to be a storage container/trailer is visible west of the commercial structure and in the 1985 photo an elongated rectangular structure is visible south of the commercial building in an area previously occupied by rural residences and/or outbuildings. An elongated rectangular building is visible in the south and west adjoining property in the 1959 photo. The western portion of the northern adjoining property appears developed with single-family residences and a commercial building or farmhouse is visible on the northern adjoining property in the 1959 photo, but is removed by the photo from 1975. Agriculture use is no longer visible on the western and eastern adjoining properties by the 1975 photo. By the 1985 photo, a commercial structure is visible on the northern adjoining property and the orchard use is no longer present in the eastern portion of the northern adjoining property. Additionally, the single-family residences in the eastern portion of the northern adjoining property appear to have been demolished. In addition, by the 1985 photo, the eastern adjoining property appears partially paved. • **1990, 1994, and 2002**: The mobile home park trailers in the northeastern portion of the Site appear to have been removed and by the 1994 photo, the three central northern residences and related outbuildings near center, and the commercial structure

DRAFT

Info Type	Years	Source	Summary of Results
			and elongated rectangular structure in the southeastern portion of the Site are demolished/removed. The northeastern portion of the Site is vacant and a concrete pad remnant of the former structure is visible along the eastern portion of the Site. No significant changes are observed on the remainder of the Site. Additional commercial buildings and parked vehicles or other type of storage is visible on the northern adjoining property. The eastern adjoining property and the south and east adjoining property is graded and later developed with retail structures by the 1994 photo. No significant changes are observed on the remaining adjoining properties. • **2006, 2009, 2012, and 2016**: By the 2009 photo, the residences and related outbuildings appear to have been demolished/removed in the central and northern portion of the Site and the commercial building and/or residence in the southeastern portion of the Site appears to have been demolished/removed. No significant changes are observed on the remainder of the Site. The northern adjoining property appears partially paved, graded, and one of the commercial structures appears to have been demolished by the 2009 photo. By the 2012 photo, apartments are visible across the northern adjoining property. By the 2016 photo the western adjoining property is developed as a commercial building. No significant changes are observed on the remaining adjoining properties.
Sanborn® maps	N/A	EDR	No coverage reported for Site.
City Directories	1922-2017	EDR	A review of the City Directory Report revealed listings associated with the historic addresses of 16605, 16617, 16627, 16637, 16649, and 16655 Valley Boulevard, and 10182 and 10120 Juniper Avenue that appeared to be residential in nature. Listings under the historic address of 10172 Juniper Avenue were business in nature and include: Sparkletts Drinking Water Corp, Regional Sales Office & Warehouse (1965 and 1975); and Rons Building Materials (1990). Listings surrounding the property appeared to be mixed use residential and business. Notable listings include: 16556 Valley Blvd- Humperts Auto Body (1965); Frandson Auto Electric (1975); Bills Keirns Service (1970, 1975, 1990, and 1991); Kierns Bob Front End Service (1990, 1994, 1996, 1999, 2002, 2003, 2004, and 2009); K Corona Tire Shop (2008 and 2009).

DRAFT

Info Type	Years	Source	Summary of Results
			16546 Valley Blvd- D & M Auto Care (2004), C & M Auto Mechanic & Electric (1999) 16711 Valley Blvd – Pep Boys (1994, 1996, 1999, 2002, 2003, 2004, 2008, 2009, 2014, 2017) The northern adjoining property associated with the former listings at 16656 and 16546 Valley Blvd has since been redeveloped into an apartment complex. The listing for Pep Boys at 16711 Valley Blvd is also identified in the EDR database report and is further discussed in sections 4.2.2 and 4.2.5. These listings appear to be small auto shops that likely use or used relatively small quantities of solvents and/or other hazardous materials, and likely produce or produced small quantities of hazardous wastes. The database listings reviewed have not reported a significant release of petroleum or other hazardous materials associated with these listings. **It is our opinion these listings are unlikely to have created a REC on the Site, however, a VEC cannot be ruled out.**

Summary of Historical Review – From at least the late 1930s agricultural use was visible throughout the Site. By the late 1940s, the north central portion of the Site appeared to be developed with several single-family residences and associated outbuildings reducing agricultural uses to areas south, east, and west of the residences. Additionally, a single-family residence with associated outbuildings was developed in the northeastern portion of the Site and a possible farm related structure was developed in the southeastern portion of the Site. By the early 1950s additional residences and/or associated outbuildings were developed in the northwestern, western, southwestern, and the southernmost portion of the Site. Agricultural use on the Site was reduced to the western portion of the Site by the mid-1960s and was no longer visible on Site by the mid-1970s. From at least the late 1950s through the mid-1980s, a mobile home park was developed in the northeastern portion of the Site and a commercial building was developed in the southeastern portion of the Site. In addition, from at least the mid-1980s, an elongated commercial building was developed in an area formerly occupied by a single-family residence and/or outbuildings south of the existing commercial building. By at least the mid-1990s through the early 2000s, the mobile home park in the northeastern portion of the Site, several residences with outbuildings in the central northern and central portion of the Site, and the commercial structures in the southeastern portion of the Site were

demolished/removed. From at least the mid-2000s through the mid-2010s the remaining residences and related outbuildings were demolished/removed from the remainder of the Site, and the Site appeared to be vacant.

From at least the late 1930s through the mid-1950s, the surrounding properties appeared to be mostly used for agriculture and rural residences, with a possible commercial or farm related structure added to the northern adjoining property by the mid-1950s. In addition, from at least the late 1940s through the mid-2010s the southernmost adjoining property appeared to be developed with a channel and a freeway. By the late 1950s, an elongated rectangular building was developed on the south and west adjoining property, and additional single-family residences and additional commercial or farm related structures were developed on the northern adjoining property. By the mid-1970s, agricultural use was no longer visible on the western and eastern adjoining properties. By at least the mid-1980s residential with associated orchard use was no longer visible on the northern adjoining property and a commercial structure was redeveloped on the northern adjoining property, additionally, the eastern adjoining property appeared to be partially paved. From at least the early 1990s through the early 2000s, additional commercial buildings were developed on the northern adjoining property, the eastern adjoining property and the south and east adjoining property. From the mid-2000s through the early 2010s the properties on the northern adjoining property were demolished/removed and the property was developed into apartments and by the mid-2010s the western adjoining property was developed into a commercial building.

Based on historical Site usage for agriculture, the presence of residual organochlorine pesticides and metals are an environmental concern for future residential use.

Copies of historical resources used to assess past Site and adjoining property uses (i.e. topographic maps, aerial photos, city directories, etc.) are provided in Appendix F.

DRAFT

5.0 SITE RECONNAISSANCE

5.1 Methodology and Limiting Conditions

On June 10, 2022, a representative of Leighton conducted a reconnaissance–level assessment of the Site, which consisted of observing and documenting existing conditions of the Site and nature of the neighboring development. Photographs of the Site are presented in Appendix B and their view directions are noted on Figure 2. Items noted during the Site reconnaissance are also depicted on Figure 2.

5.2 General Property Setting

The Site vicinity is generally developed with an apartment complex, a retail center, restaurants, a gym, and single-family residences.

The Site is an approximate 11.5-acre lot that is currently vacant (Appendix B, Photos 6 through 22).

The Site is vacant with no structures. A large concrete pad was observed in the southeastern portion of the Site (Appendix B, Photo 12). Asphalt paved areas were observed in the northwestern portion of the Site (Appendix B, Photo 8). A N-S trending chain linked fence bisected the Site west of center, and another E-W trending chain linked fence bisected the Site along the southernmost parcel of the Site.

5.3 Exterior and Interior Observations

5.3.1 Hazardous Substances, Drums, and Other Chemical Containers

A single, partially filled, 4-liter container of motor oil container was observed leaking onto soil in the northeastern portion of the Site. This is considered a *de minimus condition*.

A single, empty, 2.5 gallon diesel exhaust fluid container, was observed in the southeastern portion of the Site. No leaking or staining was observed beneath the diesel exhaust fluid container. This is not an environmental concern.

DRAFT

No other containers or drums of hazardous substances were observed on the Site.

5.3.2 Storage Tanks

Evidence of underground storage tank (USTs), such as vent lines, fill or overfill ports, or aboveground storage tanks (ASTs), was not observed on the Site.

5.3.3 Polychlorinated Biphenyls (PCBs)

No transformers or other equipment known to contain PCBs were observed onsite.

5.3.4 Waste Disposal

Hazardous waste is not generated onsite.

5.3.5 Dumping

A container filled with what appeared to be a tar-like material was observed dumped in the east of center portion of the Site (**Appendix B, Photo 13**). While some of this tar-like material appeared to have spilled outside of the container, there was no noticeable staining in the soil beneath. **Given the dumped nature of the tar-like material that has not been assessed, and considering the material has spilled out of the container onto the soil beneath, this feature is considered a REC**.

A soil pile mixed with demolition debris (i.e. concrete and asphalt fragments) was observed east of center (**Appendix B, Photo 11**). **Dumped soil from an unknown source is considered a REC**.

A pile of dumped asphalt and a pile of dumped bricks was observed in the southwest of center portion of the Site (**Appendix B, Photos 21 and 22**). These features are not an environmental concern.

Scattered concrete fragments, asphalt fragments, bricks, tires, yard trimmings, and inert household waste (i.e. food wrappers, clothing, plastic containers) was observed in various locations throughout the Site (**Appendix B, Photos 16 and 22**). **These are not considered an environmental concern**.

DRAFT

5.3.6 Pits, Ponds, Lagoons, Septic Systems, Wastewater, Drains, Cisterns, and Sumps

Evidence of pits, ponds, lagoons, septic systems, cisterns, drains, and sumps was not observed on the Site.

5.3.7 Pesticide Use

Evidence of pesticide use was not observed on the Site.

5.3.8 Staining, Discolored Soils and Corrosion

Staining was observed in the soil in the northwestern portion of the Site and the southeastern portion of the Site (**Appendix B, Photos 6 and 14**). The staining in the northwestern portion of the Site may have been associated with the location of a former drum previously identified in the previous Phase I ESA prepared by EBI on January 29, 2008. **These features are considered a REC**.

Staining was observed on the concrete pad in the southeastern portion of the Site, near an area that appeared to be used as truck parking. There did not appear to be significant cracks in the concrete pad (**Appendix B, Photo 12). Since the concrete pad appeared to be in relatively good condition this feature is not an environmental concern**.

5.3.9 Stressed Vegetation

Evidence of stressed vegetation was not observed on the Site.

5.3.10 Unusual Odors

An unusual odor was detected from the container filled with what appeared to be tar (**Appendix B, Photo 13**).

An unusual odor was detected in the stained soils in the northwestern portion of the Site (**Appendix B, Photo 6**).

5.3.11 Onsite Wells

No evidence of wells was observed on the Site.

DRAFT

5.3.12 Other Observations

Concrete remnants of possible former outbuildings was observed in the southwest of center portion of the Site and were located near piles of demolition debris (**Appendix B, Photos 20 and 21**). **These features are not an environmental concern**.

A partially buried pipe was observed in the northeastern portion of the Site in an area formerly identified as a mobile home park (Appendix **B, Photo 23**).**This feature is not an environmental concern**.

Storage containers filled with unknown contents were observed in the rear yard of the south and west residence adjoining the Site. **No items of environmental concern were observed near the containers.**

No other observations of environmental concern were noted during our Site reconnaissance.

DRAFT

6.0 INTERVIEWS

Leighton attempted to conduct interviews with persons having knowledge of current or past Site usage. Interviews were conducted either orally or in the form of a written questionnaire. Copies of completed interview forms, if any, are included in APPENDIX C. As of the date of this report, a completed Owner Questionnaire has not been received. This is considered to be a significant data gap.

6.1 Interview with Owner

As of the date of this report, the property Owner has not been identified.

Leighton was unable to get a completed Owner/Site Manager Questionnaire.

6.2 Interview with Property Manager

The Site is currently vacant and no Property Manager was identified associated with the Site.

Leighton was unable to get a completed Owner/Site Manager Questionnaire.

6.3 Interviews with Occupants

The Site is currently vacant therefore, there are no Occupants associated with the Site.

6.4 Interviews with Local Government Officials

Leighton did not interview employees with local government agencies to request information regarding historic and current uses of the Site with the exception of those noted in Section 4.2.3.

6.5 Interviews with Others

Leighton did not conduct additional interviews for this Phase I ESA.

DRAFT

7.0 FINDINGS

Leighton performed a Phase I ESA of the property located southwest of the intersection of Juniper Avenue and Valley Boulevard in the city of Fontana, California (Site – Figure 1) in accordance with the authorization of JPI.

7.1 Onsite

Historically, the Site was used for agriculture from at least the late 1930s. By the late 1940s, the north central portion of the Site appeared to be developed with several single-family residences and associated outbuildings reducing agricultural uses to areas south, east, and west of the residences. Additionally, a single-family residence with associated outbuildings was developed in the northeastern portion of the Site and a possible farm related structure was developed in the southeastern portion of the Site. By the early 1950s additional residences and/or associated outbuildings were developed in the northwestern, western, southwestern, and the southernmost portion of the Site. Agricultural use on the Site was reduced to the western portion of the Site by the mid-1960s and was no longer visible on Site by the mid-1970s. From at least the late 1950s through the mid-1980s, a mobile home park was developed in the northeastern portion of the Site and a commercial building was developed in the southeastern portion of the Site. In addition, from at least the mid-1980s, an elongated commercial building was developed in an area formerly occupied by a single-family residence and/or outbuildings south of the existing commercial building. By at least the mid-1990s through the early 2000s, the mobile home park in the northeastern portion of the Site, several residences with outbuildings in the central northern and central portion of the Site, and the commercial structures in the southeastern portion of the Site were demolished/removed. From at least the mid-2000s through the mid-2010s the remaining residences and related outbuildings were demolished/removed from the remainder of the Site, and the Site appeared to be vacant.

Based on historical Site usage for agriculture, the presence of residual organochlorine pesticides and metals are an environmental concern for future residential use.

Currently, the Site is an approximate 11.5-acre lot that has no structures and is currently vacant. A large concrete pad was observed in the southeastern portion of the Site. Asphalt paved areas were observed in the northwestern portion of the

Site. A N-S trending chain linked fence bisected the Site west of center, and another E-W trending chain linked fence bisected the Site along the southernmost parcel of the Site.

A search of selected government databases was conducted by Leighton using the EDR Radius Report, dated June 07, 2022. Details of the database search along with descriptions of each database researched are provided in the EDR Radius Report. The Site was not identified in the EDR database report

Leighton staff researched other reasonably ascertainable, local and regional environmental regulatory agency records using the current Site San Bernardino County APNs of 025132135; 025132117, -18, -19, -20, -21, -22, -23, -24, -25, -26, and -27; and 025117119, and the historic addresses of 16605, 16617, 16627, 16637, 16649, and 16655 Valley Boulevard; and 10172, 10182, and 10120 Juniper Avenue. A review of Envirostor, CalGEM, SCAQMD FINDS, GeoTracker, and NPMS (pipelines) databases revealed no records associated with the Site. The DTSC, SARWQCB, and SBCFPD reported no records found related to the Site. A review of records obtained from the COF did not reveal any records of environmental concern associated with the Site.

An HREC for a former gasoline UST was identified after completing a review of a previous Phase I ESA completed for the Site on January 29, 2008 by EBI. It is our opinion that based on the previous subsurface investigations reported in the former Phase I ESA, and the County of San Bernardino Environmental Health Services Division closure letter dated July 7, 1992, the former UST is considered an HREC associated with the Site.

The Site Reconnaissance revealed the following features of environmental concern:

- A leaking container filled with what appeared to be a tar-like material was observed in the east of center portion of the Site;
- A soil pile mixed with demolition debris (i.e. concrete and asphalt fragments) was observed east of center; and
- Staining observed in the soil in the northwestern and in the southeastern portions of the Site.

No other observations of environmental concern were noted during our Site reconnaissance.

7.2 Offsite

From at least the late 1930s through the mid-1950s, the surrounding properties appeared to be mostly used for agriculture and rural residences, with a possible commercial or farm related structure added to the northern adjoining property by the mid-1950s. In addition, from at least the late 1940s through the mid-2010s the southernmost adjoining property appeared to be developed with a channel and a freeway. By the late 1950s, an elongated rectangular building was developed on the south and west adjoining property, and additional single-family residences and additional commercial or farm related structures were developed on the northern adjoining property. By the mid-1970s, agricultural use was no longer visible on the western and eastern adjoining properties. By at least the mid-1980s residential with associated orchard use was no longer visible on the northern adjoining property and a commercial structure was redeveloped on the northern adjoining property, additionally, the eastern adjoining property appeared to be partially paved. From at least the early 1990s through the early 2000s, additional commercial buildings were developed on the northern adjoining property, the eastern adjoining property and the south and east adjoining property. From the mid-2000s through the early 2010s the properties on the northern adjoining property were demolished/removed and the property was developed into apartments and by the mid-2010s the western adjoining property was developed into a commercial building.

Currently, the Site vicinity is generally developed with an apartment complex, a retail shopping center, restaurants, a gym, and single-family residences.

The environmental database search indicated no adjoining or nearby facilities likely to have created a REC on the Site.

A review of the Envirostor, GeoTracker, SCAQMD FINDS, CalGEM, and NPMS (pipelines) databases revealed no nearby facilities likely to have created a REC on the Site.

Based on information provided in the EDR database report, and other historical documents summarized in Section 4.3 of this report, Vapor Encroachment Conditions (VEC) cannot be ruled out for the following EDR listings: Pep Boys

#680, (16711 Valley Blvd); and Premier Transmission, (16584 Valley Blvd). In addition a VEC cannot be ruled out for the following City Directory listings: Humperts Auto Body (1965); Frandson Auto Electric (1975); Bills Keirns Service (1970, 1975, 1990, and 1991); Kierns Bob Front End Service (1990, 1994, 1996, 1999, 2002, 2003, 2004, and 2009); and K Corona Tire Shop (2008 and 2009) at 16556 Valley Blvd; D & M Auto Care (2004), and C & M Auto Mechanic & Electric (1999) at 16546 Valley Blvd; and Pep Boys (1994, 1996, 1999, 2002, 2003, 2004, 2008, 2009, 2014, 2017) at 16711 Valley Blvd.

Offsite properties of environmental concern were not identified.

7.3 Data Gaps

The following significant data gaps were identified by Leighton:

- Leighton attempted to conduct interviews with persons having knowledge of current or past Site usage. As of the date of this report a completed Owner's Questionnaire has not been received.

It is Leighton's opinion, based on other reasonably obtained data, that this data gap is significant to identifying RECs in connection with the Site.

DRAFT

8.0 CONCLUSIONS AND RECOMMENDATIONS

Leighton has performed a Phase I ESA in conformance with the scope and limitations of ASTM E1527-13/-21 of the property located southwest of the intersection of Juniper Avenue and Valley Boulevard in the city of Fontana, California. Any exceptions to, or deletions from, this practice are described in Section 1.5 of this report. This assessment has revealed no evidence of RECs in connection with the Site except for the following:

- Based on historical Site usage for agriculture, the presence of residual organochlorine pesticides (OCPs) and metals are an environmental concern for future residential use. **Soil sampling for OCPs and metals is recommended throughout the Site to assess for residual impacts from former agriculture use on the Site**.

In addition, the following RECS were identified during the Site Reconnaissance:

- A container filled with what appeared to be tar-like was observed dumped in the east of center portion of the Site. While some of this tar-like material appeared to have spilled outside of the container, there was no noticeable staining in the soil beneath. **Given the dumped nature of the tar-like material that has not been assessed, and considering the material has spilled out of the container onto the soil beneath, this feature is considered a REC and soil sampling is recommended beneath the container to assess for total petroleum hydrocarbons (TPH), and semi-volatile organic compounds (SVOCs)**.

- A soil pile mixed with demolition debris (i.e. concrete and asphalt fragments) was observed east of center. **Dumped soil from an unknown source is considered a REC and a soil sample is recommended to assess for potential contaminants such as TPH, metals, OCPs, and SVOCs.**

- Staining was observed in the soil in the northwestern portion of the Site and the southeastern portion of the Site. **These features are considered a REC and soil sampling is recommended to assess for potential contaminants such as TPH, metals, OCPs, and SVOCs.**

No CRECs were identified in connection with the Site.

After completing a review of EBI's Phase I ESA findings identifying the former gasoline UST associated with the Site as a HREC, it is our opinion that based on the previous

subsurface investigations reported in the former Phase I ESA, and the County of San Bernardino Environmental Health Services Division closure letter dated July 7, 1992, **the former UST is considered an HREC associated with the Site**.

In addition, the following significant data gap was identified by Leighton:

- Leighton attempted to conduct interviews with persons having knowledge of current or past Site usage. As of the date of this report, a completed Owner's Questionnaire has not been received.

It is Leighton's opinion, based on other reasonably obtained data, that this data gap is significant to identifying RECs in connection with the Site.

Based on the findings of this Phase I ESA, Leighton recommends the following:

- Soil sampling throughout the Site to assess residual impacts associated with former agriculture use on the Site.
- Soil sampling in areas of concern identified during the Site Reconnaissance:
    - Beneath the container dumped in the east of center portion of the Site;
    - From the soil pile observed in the east of center portion of the Site; and
    - In areas with stained soils in the northwestern and southeastern portions of the Site.

In general, observations should be made during future property development for areas of possible contamination such as, but not limited to, the presence of underground facilities, railroads, buried debris, waste drums, and tanks, stained soil or odorous soils. Should such materials be encountered, further investigation and analysis may be necessary at that time.

DRAFT

9.0 DEVIATIONS

Leighton did not deviate from or alter the scope of work, as defined in Section 1.3 of this report. One significant data gap, the in ability to interview the Site owner, was identified during this Phase I ESA. This data gap has been determined to significantly affect the ability of Leighton to identify RECs at the Site.

DRAFT

10.0 ADDITIONAL SERVICES

Leighton did not perform work outside the scope of work as defined in Section 1.3 of this report.

DRAFT

11.0 QUALIFICATIONS OF ENVIRONMENTAL PROFESSIONALS

11.1 Corporate

Leighton is a California corporation, providing geotechnical and environmental consulting services throughout California. We are solely a consulting firm without interests in real property other than our office locations in Southern California. We provide professional environmental consulting services including application of science and engineering to environmental compliance, hazardous materials/waste assessment and cleanup, and management of hazardous, solid and industrial waste. Phase I Environmental Site Assessments are a part of this practice area and have been conducted by us.

11.2 Individual

The qualifications of the Principal Engineer and the other Leighton environmental professionals involved in this Phase I ESA meet the Leighton corporate requirements for performing Phase I ESAs as specified by ASTM E1527-13/-21. In addition, James P. Cunneen is a Professional Engineer (PE).

11.3 Environmental Professional Statement

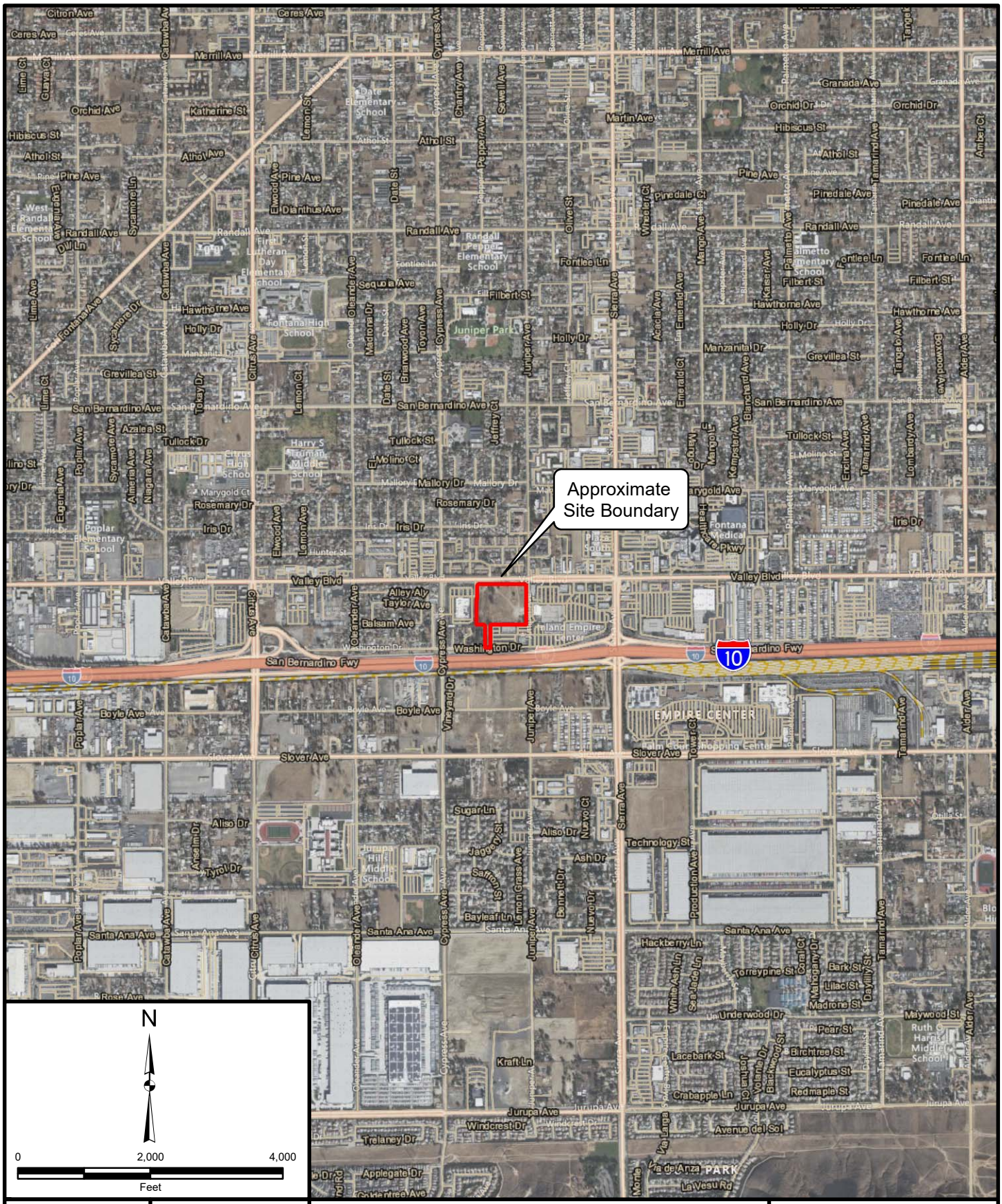
I declare on June 24, 2022 that, to the best of my professional knowledge and belief, I meet the definition of Environmental Professional, as defined by §312.10 of 40 CFR Part 312.

I have the specific qualifications based on education, training, and experience to assess a property of the nature, history, and setting of the Site. I have developed and performed all the appropriate inquiries in conformance with the standards and practices set forth in 40 CFR Part 312.

_____

James P. Cunneen, PE
Principal Engineer/Managing Director

DRAFT



Project: 13584.001	Eng/Geol: RBH
Scale:1 " = 2,000 '	Date: June 2022

Reference: Esri, HERE, Garmin, (c) OpenStreetMap contributors

SITE LOCATION MAP

Proposed Jefferson Fontana
Mixed-Use Residential Development
Southwest of the Intersection of
Juniper Avenue and Valley Boulevard
City of Fontana, San Bernardino County, California

FIGURE 1

Leighton

Map Saved as J:\Drafting\13584\001\Maps\13584-001_F01_SLM_2022-06-16.mxd on 6/15/2022 12:44:53 PM Author: KVM (btran)



Project: 13584.001	Eng/Geol: RBH
Scale: 1 " = 150 '	Date: June 2022

Reference: © 2022 Microsoft Corporation © 2022 Maxar ©CNES (2022) Distribution Airbus DS © 2022 TomTom

SITE AND ADJOINING PROPERTIES

Proposed Jefferson Fontana Mixed-Use Residential Development
Southwest of the Intersection of Juniper Avenue and Valley Boulevard
City of Fontana, San Bernardino County, California

FIGURE 2

Leighton

Map Saved as J:\Drafting\13584\001\Maps\13584-001_F02_SP_2022-06-22.mxd on 6/17/2022 3:59:07 PM Author: (btran)

APPENDIX A

REFERENCES

APPENDIX A

References

ASTM International, 2013, Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process, Designation E1527-13, dated November 6, 2013

ASTM International, 2021, Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process, Designation E1527-21, dated November 1, 2021

CalGEM (California Department of Conservation, Geologic Energy Management Division), 2022, CalGEM Well Finder database, https://www.conservation.ca.gov/calgem/Pages/WellFinder.aspx, accessed June 20, 2022.

EBI (EBI Consulting), 2008, Phase I Environmental Site Assessment, Juniper Valley, Valley Boulevard & Juniper Avenue, Fontana, California 92335, prepared for JG Management Co., Inc., Juniper Valley, LLC, The Baralat Company, Key Bank National Association and Key Corporate Capital, Inc., its Successors and/or Assigns MLC Holdings, Inc., EBI Project No. 11080042; dated January 29, 2008.

Envirostor, 2022, https://www.envirostor.dtsc.ca.gov/public/, accessed June 20, 2022.

Geotracker, 2022, https://geotracker.waterboards.ca.gov/map, accessed June 20, 2022.

Morton, D.M., 2003, Preliminary Geologic Map of the Fontana 7.5' Quadrangle, Riverside and San Bernardino Counties, California, U.S. Geological Survey Open-File Report OF-2003-418, scale 1:24,000.

NPMS (National Pipeline Management System), 2022, https://www.npms.phmsa.dot.gov/, accessed June 20, 2022..

SARWQCB (Santa Ana Regional Water Quality Control Board), 2019, Santa Ana River Basin Plan, June 2019 Basin Plan Update.

SCAQMD (South Coast Air Quality Management District), 2022, https://www.aqmd.gov/nav/FIND; accessed June 20, 2022.

USGS, (United States Geological Survey), 2018, Fontana, 7.5-minute series topographic map; dated 2018.

APPENDIX B

SITE RECONNAISSANCE PHOTOS

Leighton 60th Anniversary	**PHOTOGRAPHIC RECORD** **06/10/2022**	
Client Name: **JPI Companies**	**Site Location:** **SW of the Intersection of Juniper Avenue and Valley Boulevard, Fontana, California**	**Project No.** **13584.001**

Photo No. 1 **View of Direction of Photo:** Northwest **Description**: View of northern adjoining property – Paseo Verde Apartments (across Valley Blvd.)	

Photo No. 2 **View of Direction of Photo:** Southeast **Description**: View of eastern adjoining property – a retail shopping center (across Juniper Avenue).	

Leighton 60th Anniversary	**PHOTOGRAPHIC RECORD** **06/10/2022**

Client Name: **JPI Companies**	**Site Location:** **SW of the Intersection of Juniper Avenue and Valley Boulevard, Fontana, California**	**Project No.** **13584.001**

Photo No. 3 **View of Direction of Photo:** Southwest **Description**: View of southern adjoining property – restaurant and gym.	

Photo No. 4 **View of Direction of Photo:** Northwest **Description**: View of southern and western adjoining property – single-family residence.	

Leighton 60th Anniversary	**PHOTOGRAPHIC RECORD** **06/10/2022**

Client Name: **JPI Companies**	**Site Location:** **SW of the Intersection of Juniper Avenue and Valley Boulevard, Fontana, California**	**Project No.** **13584.001**

Photo No. 5	
View of Direction of Photo: Southwest	
Description: View of western adjoining property – thrift store and donation center.	

Photo No. 6	
View of Direction of Photo: South	
Description: View of stained soil in the northwestern portion of the Site.	

Leighton 60th Anniversary	**PHOTOGRAPHIC RECORD** **06/10/2022**	
Client Name: **JPI Companies**	**Site Location:** **SW of the Intersection of Juniper Avenue and Valley Boulevard, Fontana, California**	**Project No.** **13584.001**

Photo No. 7 **View of Direction of Photo:** Southwest **Description**: Broad view of the western portion of the Site bisected by a chain linked fence.	

Photo No. 8 **View of Direction of Photo:** Southeast **Description**: Broad view of the eastern portion of the Site. An asphalt paved area from former structures on-Site is visible (left).	

Leighton 60th Anniversary	**PHOTOGRAPHIC RECORD** **06/10/2022**	
Client Name: **JPI Companies**	**Site Location:** **SW of the Intersection of Juniper Avenue and Valley Boulevard, Fontana, California**	**Project No.** **13584.001**

Photo No. 9 **View of Direction of Photo:** West **Description**: View along northern edge of the Site, Valley Blvd (right).	

Photo No. 10 **View of Direction of Photo:** South **Description**: View along the eastern edge of the Site, Juniper Avenue (left).	

Leighton 60th Anniversary	**PHOTOGRAPHIC RECORD** **06/10/2022**

Client Name: **JPI Companies**	**Site Location:** **SW of the Intersection of Juniper Avenue and Valley Boulevard, Fontana, California**	**Project No.** **13584.001**

Photo No. 11 **View of Direction of Photo:** Northwest **Description**: View of a dumped soil pile mixed with demolition debris (i.e. concrete and asphalt fragments) observed east of the center of the Site.	

Photo No. 12 **View of Direction of Photo:** Southwest **Description**: View of a concrete pad in the southeastern portion of the Site. Some staining was observed on the concrete pad.	

Leighton 60th Anniversary	**PHOTOGRAPHIC RECORD** **06/10/2022**	
Client Name: **JPI Companies**	**Site Location:** **SW of the Intersection of Juniper Avenue and Valley Boulevard, Fontana, California**	**Project No.** **13584.001**

Photo No. 13	
View of Direction of Photo: East	
Description: View of a dumped container filled with a tar-like material in the east of center portion of the Site.	

Photo No. 14	
View of Direction of Photo: South	
Description: View of stained soil and a parked RV in the southeastern portion of the Site.	

Leighton 60th Anniversary	**PHOTOGRAPHIC RECORD** **06/10/2022**

Client Name: **JPI Companies**	**Site Location:** **SW of the Intersection of Juniper Avenue and Valley Boulevard, Fontana, California**	**Project No.** **13584.001**

Photo No. 15 **View of Direction of Photo:** West **Description**: View along southern edge of upper parcels on the Site.	

Photo No. 16 **View of Direction of Photo:** Southwest **Description**: View of various dumped demolition materials such as asphalt, concrete, and other dumped materials such as a tire, and inert trash observed in the south and west of center portion of the Site.	

Leighton 60th Anniversary	**PHOTOGRAPHIC RECORD** **06/10/2022**

Client Name: **JPI Companies**	**Site Location:** **SW of the Intersection of Juniper Avenue and Valley Boulevard, Fontana, California**	**Project No.** **13584.001**

Photo No. 17 **View of Direction of Photo:** South **Description**: View of the southernmost parcel of Site.	

Photo No. 18 **View of Direction of Photo:** North **Description**: View of gravel in the western portion of the Site.	

Leighton 60th Anniversary	**PHOTOGRAPHIC RECORD** **06/10/2022**	
Client Name: **JPI Companies**	**Site Location:** **SW of the Intersection of Juniper Avenue and Valley Boulevard, Fontana, California**	**Project No.** **13584.001**

Photo No. 19 **View of Direction of Photo:** East **Description**: View along the southern edge of the northern parcels on the Site.	

Photo No. 20 **View of Direction of Photo:** West **Description**: View of a concrete foundation remnant southwest of the center portion of the Site.	

Leighton 60th Anniversary	**PHOTOGRAPHIC RECORD** **06/10/2022**	
Client Name: **JPI Companies**	**Site Location:** **SW of the Intersection of Juniper Avenue and Valley Boulevard, Fontana, California**	**Project No.** **13584.001**

Photo No. 21	
View of Direction of Photo: Southwest	
Description: View of a dumped asphalt pile on a concrete foundation southwest of the center portion of the Site.	

Photo No. 22	
View of Direction of Photo: Southwest	
Description: View of dumped tires, bricks, and inert trash west of the center portion of the Site.	

Leighton 60th Anniversary	**PHOTOGRAPHIC RECORD** **06/10/2022**	
Client Name: **JPI Companies**	**Site Location:** **SW of the Intersection of Juniper Avenue and Valley Boulevard, Fontana, California**	**Project No.** **13584.001**

Photo No. 23	
View of Direction of Photo: South	
Description: View of a partially buried pipe in an area formerly associated with a mobile home park in the northeastern portion of the Site.	

APPENDIX C

INTERVIEW FORMS

ENVIRONMENTAL HEALTH SERVICES

COUNTY OF SAN BERNARDINO
ENVIRONMENTAL
MANAGEMENT GROUP

PAMELLA BENNETT, R.E.H.S.
Director

385 North Arrowhead Avenue • San Bernardino, CA 92415-0160 • (714) 387-4646
320 East "D" Street • Ontario, CA 91764 • (714) 391-7570
15505 Civic Drive • Victorville, CA 92392 • (619) 243-8191
17830 Arrow Boulevard • Fontana, CA 92335 • (714) 828-6244
67407 Twentynine Palms Highway • Yucca Valley, CA 92284 • (619) 228-5410
San Bernardino County Vector Control Program
2355 East Fifth Street • San Bernardino, CA 92415-0084 • (714) 383-3200
Environmental Enforcement and Housing
172 West Third Street • San Bernardino, CA 92415-0315 • (714) 387-6512/6515

Also serving the cities of:

Adelanto	Hemet
Apple Valley	Indio
Barstow	Ontario
Big Bear Lake	Rancho Cucamonga
Chino	Redlands
Chino Hills	Rialto
Colton	San Bernardino
Fontana	Twentynine Palms
Grand Terrace	Upland
Needles	Victorville
Highland	Yucaipa
Loma Linda	Yucca Valley

July 7, 1992

Jimmy Avancera/Environmental Audit Inc.
1000-A Ortega Way
Placentia, CA 92670-7125

SUBJECT: UNDERGROUND STORAGE TANK REMOVAL AT THOMPSON BUILDING MATERIALS, 10172 JUNIPER AVENUE, FONTANA, CA

This Department has reviewed the report submitted on April 24, 1992 by Environmental Audit for the facility at 10172 Juniper Avenue, Fontana, CA. The results indicate that the amount of contamination is below that which is generally considered a problem and further investigation is not warranted at this time.

It is important to note that this does not constitute a release of liability for contamination remaining on site, or any contamination not detected.

This decision is based on our observations in the field and on your consultant's report. Should site conditions change or additional information contradict this decision the Department may require further investigation and or remedial action.

Should you have any questions or require any further clarification, please contact me at (714) 387-3080.

Garry M. Brown, R.E.H.S.
Environmental Health Specialist
Hazardous Materials Field Services

GMB:vr

APPENDIX D

ENVIRONMENTAL RADIUS REPORT AND VAPOR ENCROACHMENT SCREEN

Proposed Jefferson Fontana Mixed-Use Residential
SW of The Intersection Juniper Ave and Valley Blvd
Fontana, CA 92335

Inquiry Number: 7009041.2s
June 07, 2022

The EDR Radius Map™ Report with GeoCheck®

6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

TABLE OF CONTENTS

SECTION	PAGE
Executive Summary	ES1
Overview Map	2
Detail Map	3
Map Findings Summary	4
Map Findings	9
Orphan Summary	408
Government Records Searched/Data Currency Tracking	GR-1

GEOCHECK ADDENDUM

Physical Setting Source Addendum	A-1
Physical Setting Source Summary	A-2
Physical Setting SSURGO Soil Map	A-5
Physical Setting Source Map	A-7
Physical Setting Source Map Findings	A-9
Physical Setting Source Records Searched	PSGR-1

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

Disclaimer - Copyright and Trademark Notice

This Report contains certain information obtained from a variety of public and other sources reasonably available to Environmental Data Resources, Inc. It cannot be concluded from this Report that coverage information for the target and surrounding properties does not exist from other sources. **NO WARRANTY EXPRESSED OR IMPLIED, IS MADE WHATSOEVER IN CONNECTION WITH THIS REPORT. ENVIRONMENTAL DATA RESOURCES, INC. SPECIFICALLY DISCLAIMS THE MAKING OF ANY SUCH WARRANTIES, INCLUDING WITHOUT LIMITATION, MERCHANTABILITY OR FITNESS FOR A PARTICULAR USE OR PURPOSE. ALL RISK IS ASSUMED BY THE USER. IN NO EVENT SHALL ENVIRONMENTAL DATA RESOURCES, INC. BE LIABLE TO ANYONE, WHETHER ARISING OUT OF ERRORS OR OMISSIONS, NEGLIGENCE, ACCIDENT OR ANY OTHER CAUSE, FOR ANY LOSS OF DAMAGE, INCLUDING, WITHOUT LIMITATION, SPECIAL, INCIDENTAL, CONSEQUENTIAL, OR EXEMPLARY DAMAGES. ANY LIABILITY ON THE PART OF ENVIRONMENTAL DATA RESOURCES, INC. IS STRICTLY LIMITED TO A REFUND OF THE AMOUNT PAID FOR THIS REPORT.** Purchaser accepts this Report "AS IS". Any analyses, estimates, ratings, environmental risk levels or risk codes provided in this Report are provided for illustrative purposes only, and are not intended to provide, nor should they be interpreted as providing any facts regarding, or prediction or forecast of, any environmental risk for any property. Only a Phase I Environmental Site Assessment performed by an environmental professional can provide information regarding the environmental risk for any property. Additionally, the information provided in this Report is not to be construed as legal advice.

Copyright 2020 by Environmental Data Resources, Inc. All rights reserved. Reproduction in any media or format, in whole or in part, of any report or map of Environmental Data Resources, Inc., or its affiliates, is prohibited without prior written permission.

EDR and its logos (including Sanborn and Sanborn Map) are trademarks of Environmental Data Resources, Inc. or its affiliates. All other trademarks used herein are the property of their respective owners.

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 (E1527-21), the ASTM Standard Practice for Environmental Site Assessments for Forestland or Rural Property (E 2247-16), the ASTM Standard Practice for Limited Environmental Due Diligence: Transaction Screen Process (E 1528-14) or custom requirements developed for the evaluation of environmental risk associated with a parcel of real estate.

TARGET PROPERTY INFORMATION

ADDRESS

SW OF THE INTERSECTION JUNIPER AVE AND VALLEY BLVD
FONTANA, CA 92335

COORDINATES

Latitude (North):	34.0693300 - 34ˆ 4' 9.58''
Longitude (West):	117.4412610 - 117ˆ 26' 28.53''
Universal Tranverse Mercator:	Zone 11
UTM X (Meters):	459282.6
UTM Y (Meters):	3769736.2
Elevation:	1115 ft. above sea level

USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property Map:	12015969 FONTANA, CA
Version Date:	2018

AERIAL PHOTOGRAPHY IN THIS REPORT

Portions of Photo from:	20140603
Source:	USDA

MAPPED SITES SUMMARY

Target Property Address:
SW OF THE INTERSECTION JUNIPER AVE AND VALLEY BLVD
FONTANA, CA 92335

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
A1	LONSDALE TRUCKING IN	16556 VALLEY BLVD	San Bern. Co. Permit, HWTS	Higher	90, 0.017, NNW
A2	PREMIER TRANSMISSION	16584 VALLEY BLVD	EDR Hist Auto	Higher	90, 0.017, NNW
3	DESERET INDUSTRIES	16593 VALLEY BLVD	RCRA NonGen / NLR	Lower	141, 0.027, WSW
B4	CARDENAS MARKETS #7	16721 VALLEY BLVD	RCRA NonGen / NLR	Higher	165, 0.031, ENE
B5	EXPO NUMBER 600	16721 VALLEY BLVD	RCRA-SQG, FINDS, ECHO	Higher	165, 0.031, ENE
B6	CARDENAS MARKETS #7	16721 VALLEY BLVD	CERS HAZ WASTE, San Bern. Co. Permit, CERS	Higher	165, 0.031, ENE
B7	CARDENAS MARKETS #7	16721 VALLEY BLVD	RCRA NonGen / NLR	Higher	165, 0.031, ENE
C8	PEP BOYS #680	16711 VALLEY BLVD	CERS HAZ WASTE, FINDS, San Bern. Co. Permit, CERS	Higher	335, 0.063, East
C9	IEH AUTO PARTS LLC D	16711 VALLEY BLVD ST	RCRA NonGen / NLR	Higher	335, 0.063, East
C10	PEP BOYS STORE#0680	16711 VALLEY BLVD	RCRA-SQG	Higher	335, 0.063, East
D11	ACT COMPLIANCE DBA F	16516 WASHINGTON DR	CERS HAZ WASTE, HAZNET, San Bern. Co. Permit,...	Lower	466, 0.088, SW
D12	ACT COMPLIANCE DBA F	16516 WASHINGTON DR	RCRA NonGen / NLR	Lower	466, 0.088, SW
E13	INTERNATIONAL RADIAT	16770 VALLEY BLVD ST	CERS HAZ WASTE, HAZNET, San Bern. Co. Permit,...	Higher	481, 0.091, ENE
14	REQUIP CORP	10209 CYPRESS AVE	RCRA NonGen / NLR	Lower	497, 0.094, West
E15	SALLY BEAUTY SUPPLIE	16771 VALLEY BLVD	CERS HAZ WASTE, HAZNET, San Bern. Co. Permit, HWTS	Higher	569, 0.108, ENE
E16	SALLY BEAUTY SUPPLIE	16771 VALLEY BLVD	RCRA NonGen / NLR	Higher	569, 0.108, ENE
F17	BURLINGTON STORE #12	16795 VALLEY BLVD	RCRA NonGen / NLR	Higher	729, 0.138, East
F18	BURLINGTON STORE #12	16795 VALLEY BLVD	San Bern. Co. Permit, HWTS	Higher	729, 0.138, East
G19	CIRCLE K 347	16485 VALLEY BOULEVA	HIST UST, HAZNET, HWTS	Higher	772, 0.146, WNW
G20	CIRCLE K STORE #347	16485 VALLEY BLVD	SWEEPS UST, HIST UST, CA FID UST, RCRA NonGen /...	Higher	772, 0.146, WNW
H21	SIERRA ASSEMBLAGE ZO	16628 BOYLE AVENUE	RCRA NonGen / NLR	Lower	845, 0.160, South
F22	LAST TENANT	16805 VALLEY BLVD.	RCRA NonGen / NLR	Higher	894, 0.169, East
I23	SIERRA ASSEMBLAGE ZO	16550 BOYLE AVENUE	RCRA NonGen / NLR	Lower	897, 0.170, SSW
I24	BOYLE AND JUNIPER BL	16550 BOYLE AVE	RCRA NonGen / NLR	Lower	897, 0.170, SSW
25	EDGAR ROBLES	16554 IRIS DR	RCRA NonGen / NLR	Higher	914, 0.173, NNW
I26	BOYLE AND JUNIPER BL	16540 BOYLE AVE	RCRA NonGen / NLR	Lower	925, 0.175, SSW
I27	SIERRA ASSEMBLAGE ZO	16540 BOYLE AVENUE	RCRA NonGen / NLR	Lower	925, 0.175, SSW
H28	SIERRA ASSEMBLAGE ZO	16599 BOYLE AVENUE	RCRA NonGen / NLR	Lower	975, 0.185, SSW
J29	SHERWIN-WILLIAMS #86	16855 VALLEY BLVD ST	RCRA NonGen / NLR	Higher	999, 0.189, ENE
J30	CLASSIC CLEANERS	16855 VALLEY BLVD C	DRYCLEANERS, San Bern. Co. Permit	Higher	999, 0.189, ENE
J31	INLAND EMPIRE DRY CL	16855 VALLEY BLVD	DRYCLEANERS	Higher	999, 0.189, ENE
J32	CLASSIC CLEANERS	16855 VALLEY BLVD #C	DRYCLEANERS	Higher	999, 0.189, ENE
J33	INLAND EMPIRE CENTER	16855 VALLEY BOULEVA	RCRA-LQG, HAZNET, HWTS	Higher	999, 0.189, ENE
J34	CLASSIC CLEANERS	16855 VALLEY BLVD #C	DRYCLEANERS	Higher	999, 0.189, ENE
J35	SHERWIN-WILLIAMS #86	16855 VALLEY BLVD ST	CERS HAZ WASTE, HAZNET, San Bern. Co. Permit,...	Higher	999, 0.189, ENE
I36	SIERRA ASSEMBLAGE ZO	16547 BOYLE AVENUE	RCRA NonGen / NLR	Lower	1027, 0.195, SSW
K37	SIERRA ASSEMBLAGE ZO	16663 BOYLE AVENUE	RCRA NonGen / NLR	Lower	1033, 0.196, South
38	JORGE HUIZAR	9944 PEPPER AVENUE	RCRA NonGen / NLR	Higher	1052, 0.199, North
I39	SIERRA ASSEMBLAGE ZO	16535 BOYLE AVENUE	RCRA NonGen / NLR	Lower	1055, 0.200, SSW

MAPPED SITES SUMMARY

Target Property Address:
SW OF THE INTERSECTION JUNIPER AVE AND VALLEY BLVD
FONTANA, CA 92335

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
40	GOODWILL INDUSTRIES	16835 VALLEY BLVD	RCRA NonGen / NLR	Higher	1089, 0.206, ESE
L41	AGUIRRE & SONS TRUCK	16716 BOYLE AVE	RCRA NonGen / NLR	Lower	1105, 0.209, SSE
L42	AGUIRRE & SONS TRUCK	16716 BOYLE AVENUE	HWT, HWTS	Lower	1105, 0.209, SSE
L43	TDC COMPANY	16716 BOYLE AVE	RCRA NonGen / NLR	Lower	1105, 0.209, SSE
M44	PACIFIC AUTO CENTER	16416 VALLEY BLVD	CERS TANKS, HAZNET, HWTS	Higher	1125, 0.213, WNW
M45	PACIFIC AUTO CENTER	16416 VALLEY BLVD	RCRA NonGen / NLR	Higher	1125, 0.213, WNW
M46	PACIFIC AUTO CENTER	16416 VALLEY BLVD	HAULERS, CERS HAZ WASTE, San Bern. Co. Permit,...	Higher	1125, 0.213, WNW
J47	BIG 5 SPORTING GOODS	16873 VALLEY BLVD	RCRA NonGen / NLR	Higher	1146, 0.217, ENE
J48	BIG 5 SPORTING GOODS	16873 VALLEY BLVD	HAZNET, San Bern. Co. Permit, HWTS	Higher	1146, 0.217, ENE
N49	WESTERN DENTAL	10144 SIERRA AVE	CERS HAZ WASTE, HAZNET, San Bern. Co. Permit,...	Higher	1149, 0.218, East
N50	WESTERN DENTAL SERVI	10144 SIERRA AVE	RCRA NonGen / NLR	Higher	1149, 0.218, East
51	JACOB ESTRADA	16466 IRIS DR	RCRA NonGen / NLR	Higher	1168, 0.221, NW
L52	PEONY INVESTMENTS LL	16748 BOYLE AVE	RCRA NonGen / NLR	Lower	1208, 0.229, SSE
K53	SIERRA ASSEMBLAGE ZO	10420 JUNIPER AVENUE	RCRA NonGen / NLR	Lower	1220, 0.231, South
J54	CIRCLE K STORES INC.	16894 VALLEY BLVD	UST	Higher	1223, 0.232, ENE
J55	MOBIL STATION	16894 VALLEY BLVD	CERS HAZ WASTE, SWEEPS UST, CA FID UST, CERS...	Higher	1223, 0.232, ENE
J56	KIM'S MOBIL #18-E1Y	16894 VALLEY BLVD	UST	Higher	1223, 0.232, ENE
J57	CIRCLE K STORE #2211	16894 VALLEY BLVD	RCRA NonGen / NLR	Higher	1223, 0.232, ENE
J58	YOUNG JOO KIM	16894 VALLEY BLVD	HIST UST	Higher	1223, 0.232, ENE
M59	AIRGAS USA, LLC	16380 VALLEY BLVD	HAZNET, San Bern. Co. Permit, CERS, HWTS	Lower	1303, 0.247, WNW
60	WOODLAND PALLETS	16760 BOYLE AVE	San Bern. Co. Permit	Lower	1309, 0.248, SSE
O61	ARCO #1815	10087 SIERRA BLVD	LUST, Cortese, HAZNET, HWTS	Higher	1479, 0.280, ENE
O62	SIERRA VALERO INC	10115 SIERRA AVE	RCRA-SQG, LUST, FINDS, ECHO, Cortese, HAZNET, HWTS	Higher	1493, 0.283, East
O63	TEXACO SERVICE STATI	10115 SIERRA	LUST, CERS HAZ WASTE, CERS TANKS, Cortese, HIST...	Higher	1493, 0.283, East
64	PONCE RECYCLING	9954 SIERRA AVE	SWRCY	Higher	1621, 0.307, NE
P65	CIRCLE K STORE#5233	16880 SLOVER AVE	LUST, SWEEPS UST, HIST UST, CA FID UST, Cortese,...	Lower	2128, 0.403, SSE
P66	CIRCLE K STORE#5233	16880 SLOVER AVE	LUST, San Bern. Co. Permit, CERS	Lower	2128, 0.403, SSE
67	KAISER FOUNDATION HO	9961 SIERRA AVE	ENVIROSTOR, UST, AST, CERS HAZ WASTE, HIST UST,...	Higher	2568, 0.486, ENE
Q68	NEW ELEMENTARY SCHOO	PALMETTO / MERRILL A	ENVIROSTOR, SCH	Lower	3744, 0.709, SW
Q69	ELEMENTARY SCHOOL NO	RANDALL AVENUE/BEECH	ENVIROSTOR, SCH	Lower	3744, 0.709, SW
Q70	NEW CITRUS CONTINUAT	CYPRESS AVENUE/SANTA	ENVIROSTOR, SCH	Lower	3744, 0.709, SW
Q71	ELEMENTARY SCHOOL NO	7316, 7398 CYPRESS A	ENVIROSTOR, SCH	Lower	3744, 0.709, SW
Q72	HIGH SCHOOL NO. 5 (A	OLEANDER AVENUE/SANT	ENVIROSTOR, SCH	Lower	3744, 0.709, SW
Q73	BIRCH CONTINUATION H	LOCUST AVENUE/BARBEE	ENVIROSTOR, SCH	Lower	3744, 0.709, SW
Q74	ELEMENTARY NO. 30	SAN BERNARDINO AVENU	ENVIROSTOR, SCH, CERS	Lower	3744, 0.709, SW
Q75	LYTLE CREEK HIGH SCH	LYTLE CREEK ROAD/SUM	ENVIROSTOR, SCH	Lower	3744, 0.709, SW
R76	PROPOSED ES AA NO. 3	SW CORNER CITRUS AVE	ENVIROSTOR, SCH	Higher	4295, 0.813, NW
R77	ALTERNATIVE LEARNING	9680 CITRUS AVENUE	ENVIROSTOR, SCH, HIST CORTESE	Higher	4399, 0.833, NW
78	CYPRESS CONTINUATION	SANTA ANA/CYPRESS AV	ENVIROSTOR, SCH	Lower	4563, 0.864, South

EXECUTIVE SUMMARY

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

Lists of Federal NPL (Superfund) sites

NPL ---------- National Priority List
Proposed NPL ---------- Proposed National Priority List Sites
NPL LIENS ---------- Federal Superfund Liens

Lists of Federal Delisted NPL sites

Delisted NPL ---------- National Priority List Deletions

Lists of Federal sites subject to CERCLA removals and CERCLA orders

FEDERAL FACILITY ---------- Federal Facility Site Information listing
SEMS ---------- Superfund Enterprise Management System

Lists of Federal CERCLA sites with NFRAP

SEMS-ARCHIVE ---------- Superfund Enterprise Management System Archive

Lists of Federal RCRA facilities undergoing Corrective Action

CORRACTS ---------- Corrective Action Report

Lists of Federal RCRA TSD facilities

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

Lists of Federal RCRA generators

RCRA-VSQG ---------- RCRA - Very Small Quantity Generators (Formerly Conditionally Exempt Small Quantity Generators)

Federal institutional controls / engineering controls registries

LUCIS ---------- Land Use Control Information System
US ENG CONTROLS ---------- Engineering Controls Sites List
US INST CONTROLS ---------- Institutional Controls Sites List

EXECUTIVE SUMMARY

Federal ERNS list

ERNS ---------- Emergency Response Notification System

Lists of state- and tribal (Superfund) equivalent sites

RESPONSE ---------- State Response Sites

Lists of state and tribal landfills and solid waste disposal facilities

SWF/LF ---------- Solid Waste Information System

Lists of state and tribal leaking storage tanks

INDIAN LUST ---------- Leaking Underground Storage Tanks on Indian Land
CPS-SLIC ---------- Statewide SLIC Cases

Lists of state and tribal registered storage tanks

FEMA UST ---------- Underground Storage Tank Listing
AST ---------- Aboveground Petroleum Storage Tank Facilities
INDIAN UST ---------- Underground Storage Tanks on Indian Land

Lists of state and tribal voluntary cleanup sites

VCP ---------- Voluntary Cleanup Program Properties
INDIAN VCP ---------- Voluntary Cleanup Priority Listing

Lists of state and tribal brownfield sites

BROWNFIELDS ---------- Considered Brownfieds Sites Listing

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

US BROWNFIELDS ---------- A Listing of Brownfields Sites

Local Lists of Landfill / Solid Waste Disposal Sites

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

Local Lists of Hazardous waste / Contaminated Sites

US HIST CDL ---------- Delisted National Clandestine Laboratory Register
HIST Cal-Sites ---------- Historical Calsites Database
SCH ---------- School Property Evaluation Program
CDL ---------- Clandestine Drug Labs

Toxic Pits ---- Toxic Pits Cleanup Act Sites
US CDL ---- National Clandestine Laboratory Register
AQUEOUS FOAM ---- Former Fire Training Facility Assessments Listing
PFAS ---- PFAS Contamination Site Location Listing

Local Land Records

LIENS ---- Environmental Liens Listing
LIENS 2 ---- CERCLA Lien Information
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

FUDS ---- Formerly Used Defense Sites
DOD ---- Department of Defense Sites
SCRD DRYCLEANERS ---- State Coalition for Remediation of Drycleaners Listing
US FIN ASSUR ---- Financial Assurance Information
EPA WATCH LIST ---- EPA WATCH LIST
2020 COR ACTION ---- 2020 Corrective Action Program List
TSCA ---- Toxic Substances Control Act
TRIS ---- Toxic Chemical Release Inventory System
SSTS ---- Section 7 Tracking Systems
ROD ---- Records Of Decision
RMP ---- Risk Management Plans
RAATS ---- RCRA Administrative Action Tracking System
PRP ---- Potentially Responsible Parties
PADS ---- PCB Activity Database System
ICIS ---- Integrated Compliance Information System
FTTS ---- FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
MLTS ---- Material Licensing Tracking System
COAL ASH DOE ---- Steam-Electric Plant Operation Data
COAL ASH EPA ---- Coal Combustion Residues Surface Impoundments List
PCB TRANSFORMER ---- PCB Transformer Registration Database
RADINFO ---- Radiation Information Database
HIST FTTS ---- FIFRA/TSCA Tracking System Administrative Case Listing
DOT OPS ---- Incident and Accident Data
CONSENT ---- Superfund (CERCLA) Consent Decrees
INDIAN RESERV ---- Indian Reservations
FUSRAP ---- Formerly Utilized Sites Remedial Action Program
UMTRA ---- Uranium Mill Tailings Sites
LEAD SMELTERS ---- Lead Smelter Sites
US AIRS ---- Aerometric Information Retrieval System Facility Subsystem
US MINES ---- Mines Master Index File
ABANDONED MINES ---- Abandoned Mines
FINDS ---- Facility Index System/Facility Registry System
UXO ---- Unexploded Ordnance Sites

DOCKET HWC ---- Hazardous Waste Compliance Docket Listing
ECHO ---- Enforcement & Compliance History Information
FUELS PROGRAM ---- EPA Fuels Program Registered Listing
CA BOND EXP. PLAN ---- Bond Expenditure Plan
CUPA Listings ---- CUPA Resources List
EMI ---- Emissions Inventory Data
ENF ---- Enforcement Action Listing
Financial Assurance ---- Financial Assurance Information Listing
HAZNET ---- Facility and Manifest Data
ICE ---- ICE
HWP ---- EnviroStor Permitted Facilities Listing
MINES ---- Mines Site Location Listing
MWMP ---- Medical Waste Management Program Listing
NPDES ---- NPDES Permits Listing
PEST LIC ---- Pesticide Regulation Licenses Listing
PROC ---- Certified Processors Database
Notify 65 ---- Proposition 65 Records
UIC ---- UIC Listing
UIC GEO ---- UIC GEO (GEOTRACKER)
WASTEWATER PITS ---- Oil Wastewater Pits Listing
WDS ---- Waste Discharge System
WIP ---- Well Investigation Program Case List
MILITARY PRIV SITES ---- MILITARY PRIV SITES (GEOTRACKER)
PROJECT ---- PROJECT (GEOTRACKER)
WDR ---- Waste Discharge Requirements Listing
CIWQS ---- California Integrated Water Quality System
CERS ---- CERS
NON-CASE INFO ---- NON-CASE INFO (GEOTRACKER)
OTHER OIL GAS ---- OTHER OIL & GAS (GEOTRACKER)
PROD WATER PONDS ---- PROD WATER PONDS (GEOTRACKER)
SAMPLING POINT ---- SAMPLING POINT (GEOTRACKER)
WELL STIM PROJ ---- Well Stimulation Project (GEOTRACKER)
HWTS ---- Hazardous Waste Tracking System
MINES MRDS ---- Mineral Resources Data System

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP ---- EDR Proprietary Manufactured Gas Plants
EDR Hist Cleaner ---- EDR Exclusive Historical Cleaners

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.

EXECUTIVE SUMMARY

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.

STANDARD ENVIRONMENTAL RECORDS

Lists of Federal RCRA generators

RCRA-LQG: 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.

A review of the RCRA-LQG list, as provided by EDR, and dated 02/28/2022 has revealed that there is 1 RCRA-LQG site within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
INLAND EMPIRE CENTER EPA ID:: CAR000160390	***16855 VALLEY BOULEVA***	***ENE 1/8 - 1/4 (0.189 mi.)***	***J33***	***111***

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 02/28/2022 has revealed that there are 2 RCRA-SQG sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
EXPO NUMBER 600 EPA ID:: CAD983671504	***16721 VALLEY BLVD***	***ENE 0 - 1/8 (0.031 mi.)***	***B5***	***15***
PEP BOYS STORE#0680 EPA ID:: CAL000082946	16711 VALLEY BLVD	E 0 - 1/8 (0.063 mi.)	C10	33

Lists of state- and tribal hazardous waste facilities

ENVIROSTOR: The Department of Toxic Substances Control's (DTSC's) Site Mitigation and Brownfields Reuse Program's (SMBRP's) EnviroStor database identifes sites that have known contamination or sites for which there may be reasons to investigate further. The database includes the following site types: Federal

EXECUTIVE SUMMARY

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 01/24/2022 has revealed that there are 12 ENVIROSTOR sites within approximately 1 mile of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
KAISER FOUNDATION HO Facility Id: 71003588 Status: Inactive - Needs Evaluation	***9961 SIERRA AVE***	***ENE 1/4 - 1/2 (0.486 mi.)***	***67***	***335***
PROPOSED ES AA NO. 3 Facility Id: 60000141 Status: No Action Required	***SW CORNER CITRUS AVE***	***NW 1/2 - 1 (0.813 mi.)***	***R76***	***398***
ALTERNATIVE LEARNING Facility Id: 36010012 Status: No Further Action	***9680 CITRUS AVENUE***	***NW 1/2 - 1 (0.833 mi.)***	***R77***	***401***

Lower Elevation	Address	Direction / Distance	Map ID	Page
NEW ELEMENTARY SCHOO Facility Id: 36000017 Status: Inactive - Withdrawn	***PALMETTO / MERRILL A***	***SW 1/2 - 1 (0.709 mi.)***	***Q68***	***367***
ELEMENTARY SCHOOL NO Facility Id: 36010045 Status: No Further Action	***RANDALL AVENUE/BEECH***	***SW 1/2 - 1 (0.709 mi.)***	***Q69***	***370***
NEW CITRUS CONTINUAT Facility Id: 36010040 Status: No Further Action	***CYPRESS AVENUE/SANTA***	***SW 1/2 - 1 (0.709 mi.)***	***Q70***	***373***
ELEMENTARY SCHOOL NO Facility Id: 36010051 Status: No Further Action	***7316, 7398 CYPRESS A***	***SW 1/2 - 1 (0.709 mi.)***	***Q71***	***380***
HIGH SCHOOL NO. 5 (A Facility Id: 36010039 Status: Certified	***OLEANDER AVENUE/SANT***	***SW 1/2 - 1 (0.709 mi.)***	***Q72***	***383***
BIRCH CONTINUATION H Facility Id: 36010046 Status: No Further Action	***LOCUST AVENUE/BARBEE***	***SW 1/2 - 1 (0.709 mi.)***	***Q73***	***389***
ELEMENTARY NO. 30 Facility Id: 36010060 Status: Inactive - Withdrawn	***SAN BERNARDINO AVENU***	***SW 1/2 - 1 (0.709 mi.)***	***Q74***	***392***
LYTLE CREEK HIGH SCH Facility Id: 36010008 Status: No Further Action	***LYTLE CREEK ROAD/SUM***	***SW 1/2 - 1 (0.709 mi.)***	***Q75***	***395***
CYPRESS CONTINUATION Facility Id: 60000039 Status: No Further Action	***SANTA ANA/CYPRESS AV***	***S 1/2 - 1 (0.864 mi.)***	***78***	***404***

EXECUTIVE SUMMARY

Lists of state and tribal leaking storage tanks

LUST: Leaking Underground Storage Tank (LUST) Sites included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

A review of the LUST list, as provided by EDR, has revealed that there are 5 LUST sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
ARCO #1815	***10087 SIERRA BLVD***	***ENE 1/4 - 1/2 (0.280 mi.)***	***O61***	***300***
Database: LUST, Date of Government Version: 05/23/2022 Status: Completed - Case Closed Global Id: T10000005327				
SIERRA VALERO INC	***10115 SIERRA AVE***	***E 1/4 - 1/2 (0.283 mi.)***	***O62***	***303***
Database: LUST REG 8, Date of Government Version: 02/14/2005 Facility Status: Case Closed Global ID: T0607100334				
TEXACO SERVICE STATI	***10115 SIERRA***	***E 1/4 - 1/2 (0.283 mi.)***	***O63***	***311***
Database: LUST, Date of Government Version: 05/23/2022 Status: Completed - Case Closed Global Id: T0607125645 Global Id: T0607100334				

Lower Elevation	Address	Direction / Distance	Map ID	Page
CIRCLE K STORE#5233	***16880 SLOVER AVE***	***SSE 1/4 - 1/2 (0.403 mi.)***	***P65***	***327***
Database: LUST REG 8, Date of Government Version: 02/14/2005 Facility Status: Preliminary site assessment underway Global ID: T0607100634				
CIRCLE K STORE#5233	***16880 SLOVER AVE***	***SSE 1/4 - 1/2 (0.403 mi.)***	***P66***	***331***
Database: LUST, Date of Government Version: 05/23/2022 Status: Completed - Case Closed Global Id: T0607100634				

Lists of state and tribal registered storage tanks

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, has revealed that there are 2 UST sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
CIRCLE K STORES INC.	16894 VALLEY BLVD	ENE 1/8 - 1/4 (0.232 mi.)	J54	274
Database: UST, Date of Government Version: 03/07/2022 Facility Id: FA0004258				
KIM'S MOBIL #18-E1Y	16894 VALLEY BLVD	ENE 1/8 - 1/4 (0.232 mi.)	J56	291
Database: UST, Date of Government Version: 03/07/2022				

EXECUTIVE SUMMARY

Facility Id: 86008808

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 03/07/2022 has revealed that there is 1 SWRCY site within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
PONCE RECYCLING Cert Id: RC260783.001	9954 SIERRA AVE	NE 1/4 - 1/2 (0.307 mi.)	64	327

Local Lists of Hazardous waste / Contaminated Sites

CERS HAZ WASTE: List of sites in the California Environmental Protection Agency (CalEPA) Regulated Site Portal which fall under the Hazardous Chemical Management, Hazardous Waste Onsite Treatment, Household Hazardous Waste Collection, Hazardous Waste Generator, and RCRA LQ HW Generator programs.

A review of the CERS HAZ WASTE list, as provided by EDR, and dated 01/18/2022 has revealed that there are 9 CERS HAZ WASTE sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
CARDENAS MARKETS #7	***16721 VALLEY BLVD***	***ENE 0 - 1/8 (0.031 mi.)***	***B6***	***18***
PEP BOYS #680	***16711 VALLEY BLVD***	***E 0 - 1/8 (0.063 mi.)***	***C8***	***24***
INTERNATIONAL RADIAT	***16770 VALLEY BLVD ST***	***ENE 0 - 1/8 (0.091 mi.)***	***E13***	***51***
SALLY BEAUTY SUPPLIE	***16771 VALLEY BLVD***	***ENE 0 - 1/8 (0.108 mi.)***	***E15***	***62***
SHERWIN-WILLIAMS #86	***16855 VALLEY BLVD ST***	***ENE 1/8 - 1/4 (0.189 mi.)***	***J35***	***116***
PACIFIC AUTO CENTER	***16416 VALLEY BLVD***	***WNW 1/8 - 1/4 (0.213 mi.)***	***M46***	***197***
WESTERN DENTAL	***10144 SIERRA AVE***	***E 1/8 - 1/4 (0.218 mi.)***	***N49***	***212***
MOBIL STATION	***16894 VALLEY BLVD***	***ENE 1/8 - 1/4 (0.232 mi.)***	***J55***	***274***

Lower Elevation	Address	Direction / Distance	Map ID	Page
ACT COMPLIANCE DBA F	***16516 WASHINGTON DR***	***SW 0 - 1/8 (0.088 mi.)***	***D11***	***37***

Local Lists of Registered Storage Tanks

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

2 SWEEPS UST sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
CIRCLE K STORE #347	***16485 VALLEY BLVD***	***WNW 1/8 - 1/4 (0.146 mi.)***	***G20***	***81***
Status: A Tank Status: A Comp Number: 13596				
MOBIL STATION	***16894 VALLEY BLVD***	***ENE 1/8 - 1/4 (0.232 mi.)***	***J55***	***274***
Status: A Tank Status: A Comp Number: 39413				

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 3 HIST UST sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
CIRCLE K 347	***16485 VALLEY BOULEVA***	***WNW 1/8 - 1/4 (0.146 mi.)***	***G19***	***79***
CIRCLE K STORE #347 Facility Id: 00000013596	***16485 VALLEY BLVD***	***WNW 1/8 - 1/4 (0.146 mi.)***	***G20***	***81***
YOUNG JOO KIM Facility Id: 00000039413	16894 VALLEY BLVD	ENE 1/8 - 1/4 (0.232 mi.)	J58	294

CERS TANKS: List of sites in the California Environmental Protection Agency (CalEPA) Regulated Site Portal which fall under the Aboveground Petroleum Storage and Underground Storage Tank regulatory programs.

A review of the CERS TANKS list, as provided by EDR, and dated 01/18/2022 has revealed that there are 2 CERS TANKS sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
PACIFIC AUTO CENTER	***16416 VALLEY BLVD***	***WNW 1/8 - 1/4 (0.213 mi.)***	***M44***	***154***
MOBIL STATION	***16894 VALLEY BLVD***	***ENE 1/8 - 1/4 (0.232 mi.)***	***J55***	***274***

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 are 2 CA FID UST sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
CIRCLE K STORE #347 Facility Id: 36003046 Status: A	***16485 VALLEY BLVD***	***WNW 1/8 - 1/4 (0.146 mi.)***	***G20***	***81***
MOBIL STATION Facility Id: 36008968 Status: A	***16894 VALLEY BLVD***	***ENE 1/8 - 1/4 (0.232 mi.)***	***J55***	***274***

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 02/28/2022 has revealed that there are 32 RCRA NonGen / NLR sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
CARDENAS MARKETS #7 EPA ID:: CAL000333479	16721 VALLEY BLVD	ENE 0 - 1/8 (0.031 mi.)	B4	13
CARDENAS MARKETS #7 EPA ID:: CAL000450438	16721 VALLEY BLVD	ENE 0 - 1/8 (0.031 mi.)	B7	21
IEH AUTO PARTS LLC D	16711 VALLEY BLVD ST	E 0 - 1/8 (0.063 mi.)	C9	31
SALLY BEAUTY SUPPLIE EPA ID:: CAL000411721	16771 VALLEY BLVD	ENE 0 - 1/8 (0.108 mi.)	E16	72
BURLINGTON STORE #12	16795 VALLEY BLVD	E 1/8 - 1/4 (0.138 mi.)	F17	75
CIRCLE K STORE #347 EPA ID:: CAD981680671	***16485 VALLEY BLVD***	***WNW 1/8 - 1/4 (0.146 mi.)***	***G20***	***81***
LAST TENANT	16805 VALLEY BLVD.	E 1/8 - 1/4 (0.169 mi.)	F22	88
EDGAR ROBLES	16554 IRIS DR	NNW 1/8 - 1/4 (0.173 mi.)	25	95
SHERWIN-WILLIAMS #86 EPA ID:: CAL000378077	16855 VALLEY BLVD ST	ENE 1/8 - 1/4 (0.189 mi.)	J29	105
JORGE HUIZAR	9944 PEPPER AVENUE	N 1/8 - 1/4 (0.199 mi.)	38	139
GOODWILL INDUSTRIES	16835 VALLEY BLVD	ESE 1/8 - 1/4 (0.206 mi.)	40	144
PACIFIC AUTO CENTER EPA ID:: CAL000309359	16416 VALLEY BLVD	WNW 1/8 - 1/4 (0.213 mi.)	M45	195
BIG 5 SPORTING GOODS EPA ID:: CAL000410191	16873 VALLEY BLVD	ENE 1/8 - 1/4 (0.217 mi.)	J47	206
WESTERN DENTAL SERVI EPA ID:: CAL000149158	10144 SIERRA AVE	E 1/8 - 1/4 (0.218 mi.)	N50	261
JACOB ESTRADA	16466 IRIS DR	NW 1/8 - 1/4 (0.221 mi.)	51	264
CIRCLE K STORE #2211 EPA ID:: CAL000369673	16894 VALLEY BLVD	ENE 1/8 - 1/4 (0.232 mi.)	J57	291

Lower Elevation	Address	Direction / Distance	Map ID	Page
DESERET INDUSTRIES EPA ID:: CAL000448241	16593 VALLEY BLVD	WSW 0 - 1/8 (0.027 mi.)	3	10
ACT COMPLIANCE DBA F EPA ID:: CAL000387521	16516 WASHINGTON DR	SW 0 - 1/8 (0.088 mi.)	D12	48
REQUIP CORP EPA ID:: CAL000250955	10209 CYPRESS AVE	W 0 - 1/8 (0.094 mi.)	14	59
SIERRA ASSEMBLAGE ZO	16628 BOYLE AVENUE	S 1/8 - 1/4 (0.160 mi.)	H21	85
SIERRA ASSEMBLAGE ZO	16550 BOYLE AVENUE	SSW 1/8 - 1/4 (0.170 mi.)	I23	90
BOYLE AND JUNIPER BL	16550 BOYLE AVE	SSW 1/8 - 1/4 (0.170 mi.)	I24	93
BOYLE AND JUNIPER BL	16540 BOYLE AVE	SSW 1/8 - 1/4 (0.175 mi.)	I26	98
SIERRA ASSEMBLAGE ZO	16540 BOYLE AVENUE	SSW 1/8 - 1/4 (0.175 mi.)	I27	100
SIERRA ASSEMBLAGE ZO	16599 BOYLE AVENUE	SSW 1/8 - 1/4 (0.185 mi.)	H28	103

EXECUTIVE SUMMARY

Lower Elevation	Address	Direction / Distance	Map ID	Page
SIERRA ASSEMBLAGE ZO	16547 BOYLE AVENUE	SSW 1/8 - 1/4 (0.195 mi.)	I36	134
SIERRA ASSEMBLAGE ZO	16663 BOYLE AVENUE	S 1/8 - 1/4 (0.196 mi.)	K37	136
SIERRA ASSEMBLAGE ZO	16535 BOYLE AVENUE	SSW 1/8 - 1/4 (0.200 mi.)	I39	141
AGUIRRE & SONS TRUCK EPA ID:: CAR000197590	16716 BOYLE AVE	SSE 1/8 - 1/4 (0.209 mi.)	L41	146
TDC COMPANY	16716 BOYLE AVE	SSE 1/8 - 1/4 (0.209 mi.)	L43	151
PEONY INVESTMENTS LL EPA ID:: CAC003044139	16748 BOYLE AVE	SSE 1/8 - 1/4 (0.229 mi.)	L52	266
SIERRA ASSEMBLAGE ZO	10420 JUNIPER AVENUE	S 1/8 - 1/4 (0.231 mi.)	K53	269

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 12/16/2021 has revealed that there are 4 Cortese sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
ARCO #1815 Cleanup Status: COMPLETED - CASE CLOSED	***10087 SIERRA BLVD***	***ENE 1/4 - 1/2 (0.280 mi.)***	***O61***	***300***
SIERRA VALERO INC Cleanup Status: COMPLETED - CASE CLOSED	***10115 SIERRA AVE***	***E 1/4 - 1/2 (0.283 mi.)***	***O62***	***303***
TEXACO SERVICE STATI Cleanup Status: COMPLETED - CASE CLOSED	***10115 SIERRA***	***E 1/4 - 1/2 (0.283 mi.)***	***O63***	***311***

Lower Elevation	Address	Direction / Distance	Map ID	Page
CIRCLE K STORE#5233 Cleanup Status: COMPLETED - CASE CLOSED	***16880 SLOVER AVE***	***SSE 1/4 - 1/2 (0.403 mi.)***	***P65***	***327***

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, has revealed that there are 4 DRYCLEANERS sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
CLASSIC CLEANERS Database: DRYCLEANERS, Date of Government Version: 08/27/2021 EPA Id: CAL000350234 EPA Id: CAL000203115 EPA Id: CAL000273073	***16855 VALLEY BLVD C***	***ENE 1/8 - 1/4 (0.189 mi.)***	***J30***	***108***
INLAND EMPIRE DRY CL Database: DRYCLEAN SOUTH COAST, Date of Government Version: 02/17/2022	16855 VALLEY BLVD	ENE 1/8 - 1/4 (0.189 mi.)	J31	110
CLASSIC CLEANERS Database: DRYCLEAN SOUTH COAST, Date of Government Version: 02/17/2022	16855 VALLEY BLVD #C	ENE 1/8 - 1/4 (0.189 mi.)	J32	111
CLASSIC CLEANERS Database: DRYCLEAN SOUTH COAST, Date of Government Version: 02/17/2022	16855 VALLEY BLVD #C	ENE 1/8 - 1/4 (0.189 mi.)	J34	116

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 [CALSITES]. 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 2 HIST CORTESE sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
TEXACO SERVICE STATI Reg Id: 083602475T	***10115 SIERRA***	***E 1/4 - 1/2 (0.283 mi.)***	***O63***	***311***

Lower Elevation	Address	Direction / Distance	Map ID	Page
CIRCLE K STORE#5233 Reg Id: 083603645T	***16880 SLOVER AVE***	***SSE 1/4 - 1/2 (0.403 mi.)***	***P65***	***327***

HWT: 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.

A review of the HWT list, as provided by EDR, and dated 01/03/2022 has revealed that there is 1 HWT site within approximately 0.25 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
AGUIRRE & SONS TRUCK Reg Num: 5797	***16716 BOYLE AVENUE***	***SSE 1/8 - 1/4 (0.209 mi.)***	***L42***	***150***

San Bern. Co. Permit: San Bernardino County Fire Department Hazardous Materials Division.

A review of the San Bern. Co. Permit list, as provided by EDR, and dated 05/12/2022 has revealed that there are 15 San Bern. Co. Permit sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
LONSDALE TRUCKING IN Facility Status: INACTIVE Facility Id: FA0008298 Facility Id: FA0001518	***16556 VALLEY BLVD***	***NNW 0 - 1/8 (0.017 mi.)***	***A1***	***9***
CARDENAS MARKETS #7 Facility Status: ACTIVE Facility Id: FA0016716	***16721 VALLEY BLVD***	***ENE 0 - 1/8 (0.031 mi.)***	***B6***	***18***
PEP BOYS #680 Facility Status: ACTIVE Facility Status: INACTIVE Facility Id: FA0005280 Facility Id: FA0018858	***16711 VALLEY BLVD***	***E 0 - 1/8 (0.063 mi.)***	***C8***	***24***
INTERNATIONAL RADIAT Facility Status: ACTIVE Facility Id: FA0013660	***16770 VALLEY BLVD ST***	***ENE 0 - 1/8 (0.091 mi.)***	***E13***	***51***
SALLY BEAUTY SUPPLIE	***16771 VALLEY BLVD***	***ENE 0 - 1/8 (0.108 mi.)***	***E15***	***62***

Facility Status: ACTIVE Facility Status: FEE EXEMPT Facility Id: FA0017284				
BURLINGTON STORE #12 Facility Status: ACTIVE Facility Id: FA0019191	***16795 VALLEY BLVD***	***E 1/8 - 1/4 (0.138 mi.)***	***F18***	***78***
CLASSIC CLEANERS Facility Status: INACTIVE Facility Id: FA0002219	***16855 VALLEY BLVD C***	***ENE 1/8 - 1/4 (0.189 mi.)***	***J30***	***108***
SHERWIN-WILLIAMS #86 Facility Status: ACTIVE Facility Id: FA0015058	***16855 VALLEY BLVD ST***	***ENE 1/8 - 1/4 (0.189 mi.)***	***J35***	***116***
PACIFIC AUTO CENTER Facility Status: ACTIVE Facility Status: INACTIVE Facility Id: FA0010358	***16416 VALLEY BLVD***	***WNW 1/8 - 1/4 (0.213 mi.)***	***M46***	***197***
BIG 5 SPORTING GOODS Facility Status: ACTIVE Facility Id: FA0011981	***16873 VALLEY BLVD***	***ENE 1/8 - 1/4 (0.217 mi.)***	***J48***	***208***
WESTERN DENTAL Facility Status: ACTIVE Facility Status: FEE EXEMPT Facility Id: FA0016811	***10144 SIERRA AVE***	***E 1/8 - 1/4 (0.218 mi.)***	***N49***	***212***
MOBIL STATION Facility Status: ACTIVE Facility Id: FA0004258	***16894 VALLEY BLVD***	***ENE 1/8 - 1/4 (0.232 mi.)***	***J55***	***274***

Lower Elevation	Address	Direction / Distance	Map ID	Page
ACT COMPLIANCE DBA F Facility Status: ACTIVE Facility Id: FA0015075	***16516 WASHINGTON DR***	***SW 0 - 1/8 (0.088 mi.)***	***D11***	***37***
AIRGAS USA, LLC Facility Status: ACTIVE Facility Id: FA0005237	***16380 VALLEY BLVD***	***WNW 1/8 - 1/4 (0.247 mi.)***	***M59***	***295***
WOODLAND PALLETS Facility Status: INACTIVE Facility Id: FA0014436	16760 BOYLE AVE	SSE 1/8 - 1/4 (0.248 mi.)	60	299

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR Hist Auto: 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 Hist Auto list, as provided by EDR, has revealed that there is 1 EDR Hist Auto site within approximately 0.125 miles of the target property.

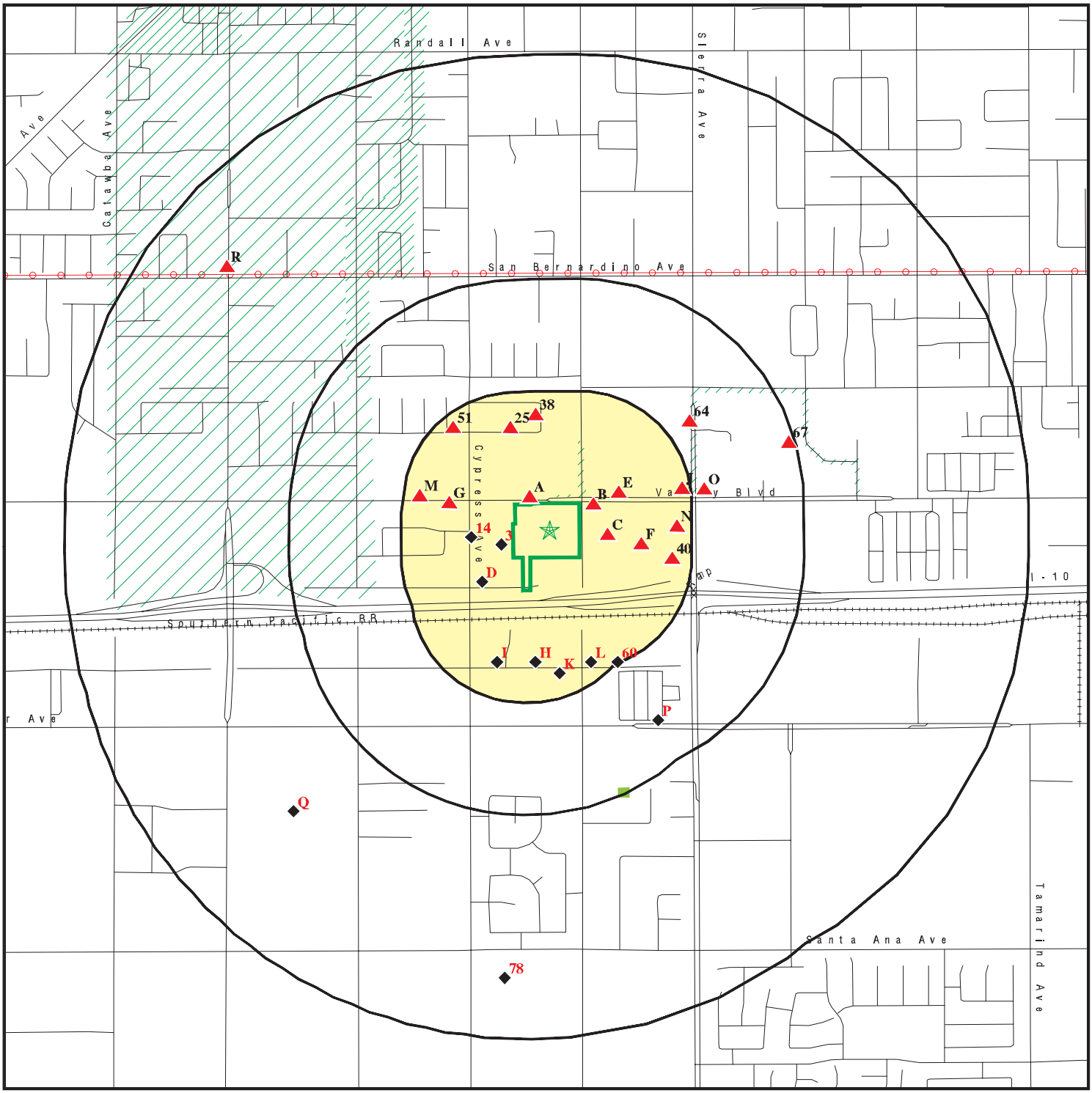
Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
PREMIER TRANSMISSION	16584 VALLEY BLVD	NNW 0 - 1/8 (0.017 mi.)	A2	10

EXECUTIVE SUMMARY

Due to poor or inadequate address information, the following sites were not mapped. Count: 40 records.

Site Name	Database(s)
	CDL
	CDL
	CDL
	CDL
	CDL
	CDL
	CDL
	CDL
	CDL
	CDL
	CDL
	CDL
	CDL
	CDL
	CDL
	CDL
	CDL
	CDL
	CDL
	CDL
	CDL
	CDL
	CDL
	CDL
	CDL
	CDL
	CDL
	CDL
	CDL
	CDL
	CDL
	CDL
	CDL
CIMA ROAD MINE WASTE SITE	SEMS
CAPITOL INDUSTRIAL PROPERTY	SEMS-ARCHIVE
KORE INFRASTRUCTURE PLANT #1	SWF/LF
SCE - FLANCO	ENVIROSTOR, VCP

OVERVIEW MAP - 7009041.2S



0 1/4 1/2 1 Miles

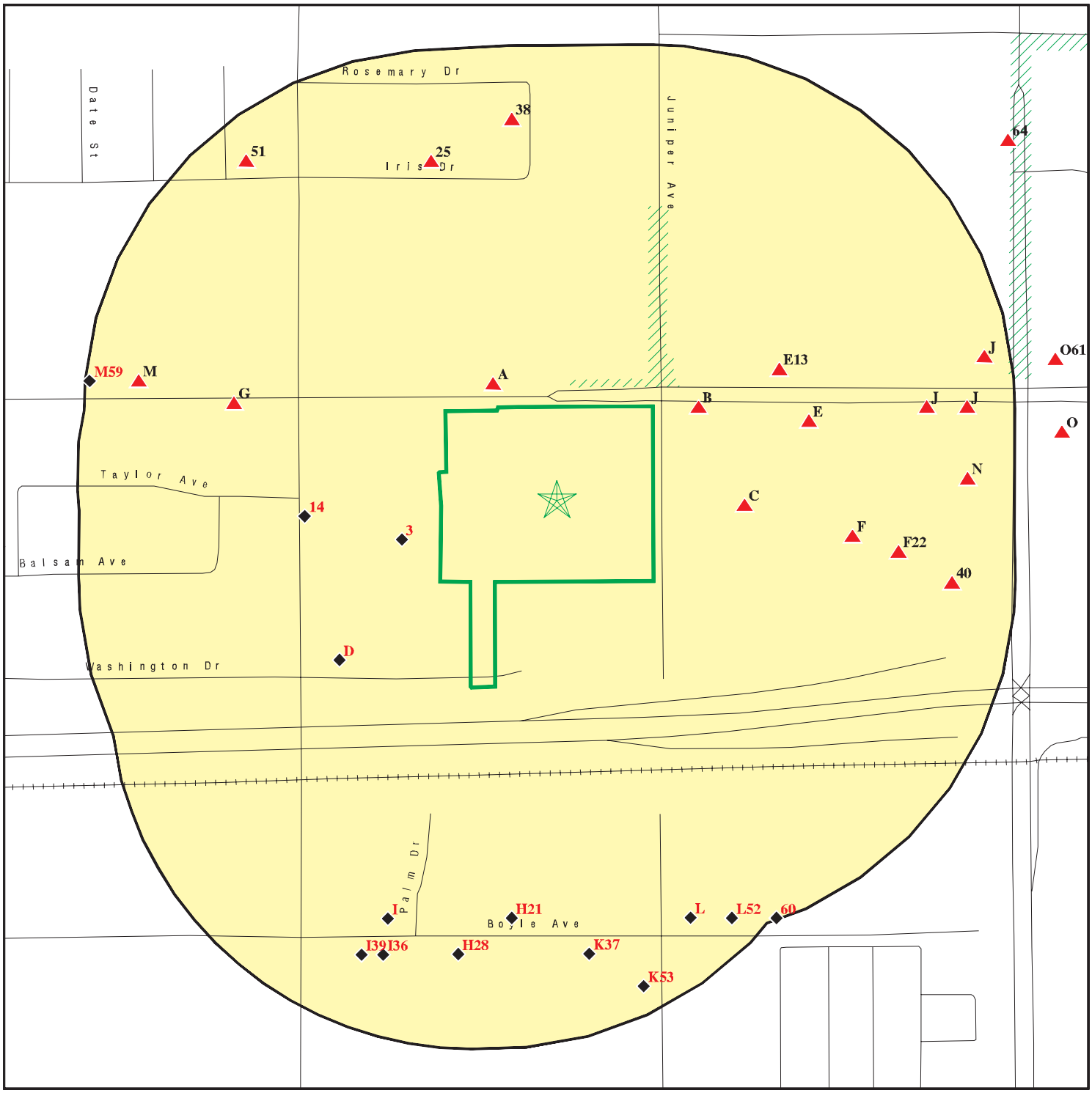
- Target Property
- Sites at elevations higher than or equal to the target property
- Sites at elevations lower than the target property
- Manufactured Gas Plants
- National Priority List Sites
- Dept. Defense Sites
- Indian Reservations BIA
- Power transmission lines
- Special Flood Hazard Area (1%)
- 0.2% Annual Chance Flood Hazard
- National Wetland Inventory
- State Wetlands
- 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:	Proposed Jefferson Fontana Mixed-Use Residential	CLIENT:	Leighton and Associates, Inc.
ADDRESS:	SW of The Intersection Juniper Ave and Valley Blvd Fontana CA 92335	CONTACT:	Tracy Roberts
LAT/LONG:	34.06933 / 117.441261	INQUIRY #:	7009041.2s
		DATE:	June 07, 2022 2:38 pm

Copyright © 2022 EDR, Inc. © 2015 TomTom Rel. 2015.

DETAIL MAP - 7009041.2S



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

0 1/16 1/8 1/4 Miles

Indian Reservations BIA

Special Flood Hazard Area (1%)

0.2% Annual Chance Flood Hazard

Areas of Concern

N

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:	Proposed Jefferson Fontana Mixed-Use Residential	CLIENT:	Leighton and Associates, Inc.
ADDRESS:	SW of The Intersection Juniper Ave and Valley Blvd Fontana CA 92335	CONTACT:	Tracy Roberts
LAT/LONG:	34.06933 / 117.441261	INQUIRY #:	7009041.2s
		DATE:	June 07, 2022 2:39 pm

Copyright © 2022 EDR, Inc. © 2015 TomTom Rel. 2015.

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
STANDARD ENVIRONMENTAL RECORDS								
Lists of Federal NPL (Superfund) sites								
NPL	1.000		0	0	0	0	NR	0
Proposed NPL	1.000		0	0	0	0	NR	0
NPL LIENS	1.000		0	0	0	0	NR	0
Lists of Federal Delisted NPL sites								
Delisted NPL	1.000		0	0	0	0	NR	0
Lists of Federal sites subject to CERCLA removals and CERCLA orders								
FEDERAL FACILITY	0.500		0	0	0	NR	NR	0
SEMS	0.500		0	0	0	NR	NR	0
Lists of Federal CERCLA sites with NFRAP								
SEMS-ARCHIVE	0.500		0	0	0	NR	NR	0
Lists of Federal RCRA facilities undergoing Corrective Action								
CORRACTS	1.000		0	0	0	0	NR	0
Lists of Federal RCRA TSD facilities								
RCRA-TSDF	0.500		0	0	0	NR	NR	0
Lists of Federal RCRA generators								
RCRA-LQG	0.250		0	1	NR	NR	NR	1
RCRA-SQG	0.250		2	0	NR	NR	NR	2
RCRA-VSQG	0.250		0	0	NR	NR	NR	0
Federal institutional controls / engineering controls registries								
LUCIS	0.500		0	0	0	NR	NR	0
US ENG CONTROLS	0.500		0	0	0	NR	NR	0
US INST CONTROLS	0.500		0	0	0	NR	NR	0
Federal ERNS list								
ERNS	0.001		0	NR	NR	NR	NR	0
Lists of state- and tribal (Superfund) equivalent sites								
RESPONSE	1.000		0	0	0	0	NR	0
Lists of state- and tribal hazardous waste facilities								
ENVIROSTOR	1.000		0	0	1	11	NR	12
Lists of state and tribal landfills and solid waste disposal facilities								
SWF/LF	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
Lists of state and tribal leaking storage tanks								
LUST	0.500		0	0	5	NR	NR	5
INDIAN LUST	0.500		0	0	0	NR	NR	0
CPS-SLIC	0.500		0	0	0	NR	NR	0
Lists of state and tribal registered storage tanks								
FEMA UST	0.250		0	0	NR	NR	NR	0
UST	0.250		0	2	NR	NR	NR	2
AST	0.250		0	0	NR	NR	NR	0
INDIAN UST	0.250		0	0	NR	NR	NR	0
Lists of state and tribal voluntary cleanup sites								
VCP	0.500		0	0	0	NR	NR	0
INDIAN VCP	0.500		0	0	0	NR	NR	0
Lists of state and tribal brownfield sites								
BROWNFIELDS	0.500		0	0	0	NR	NR	0
ADDITIONAL ENVIRONMENTAL RECORDS								
Local Brownfield lists								
US BROWNFIELDS	0.500		0	0	0	NR	NR	0
Local Lists of Landfill / Solid Waste Disposal Sites								
WMUDS/SWAT	0.500		0	0	0	NR	NR	0
SWRCY	0.500		0	0	1	NR	NR	1
HAULERS	0.001		0	NR	NR	NR	NR	0
INDIAN ODI	0.500		0	0	0	NR	NR	0
DEBRIS REGION 9	0.500		0	0	0	NR	NR	0
ODI	0.500		0	0	0	NR	NR	0
IHS OPEN DUMPS	0.500		0	0	0	NR	NR	0
Local Lists of Hazardous waste / Contaminated Sites								
US HIST CDL	0.001		0	NR	NR	NR	NR	0
HIST Cal-Sites	1.000		0	0	0	0	NR	0
SCH	0.250		0	0	NR	NR	NR	0
CDL	0.001		0	NR	NR	NR	NR	0
CERS HAZ WASTE	0.250		5	4	NR	NR	NR	9
Toxic Pits	1.000		0	0	0	0	NR	0
US CDL	0.001		0	NR	NR	NR	NR	0
AQUEOUS FOAM	TP		NR	NR	NR	NR	NR	0
PFAS	0.500		0	0	0	NR	NR	0
Local Lists of Registered Storage Tanks								
SWEEPS UST	0.250		0	2	NR	NR	NR	2
HIST UST	0.250		0	3	NR	NR	NR	3
CERS TANKS	0.250		0	2	NR	NR	NR	2

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
CA FID UST	0.250		0	2	NR	NR	NR	2
Local Land Records								
LIENS	0.001		0	NR	NR	NR	NR	0
LIENS 2	0.001		0	NR	NR	NR	NR	0
DEED	0.500		0	0	0	NR	NR	0
Records of Emergency Release Reports								
HMIRS	0.001		0	NR	NR	NR	NR	0
CHMIRS	0.001		0	NR	NR	NR	NR	0
LDS	0.001		0	NR	NR	NR	NR	0
MCS	0.001		0	NR	NR	NR	NR	0
SPILLS 90	0.001		0	NR	NR	NR	NR	0
Other Ascertainable Records								
RCRA NonGen / NLR	0.250		7	25	NR	NR	NR	32
FUDS	1.000		0	0	0	0	NR	0
DOD	1.000		0	0	0	0	NR	0
SCRD DRYCLEANERS	0.500		0	0	0	NR	NR	0
US FIN ASSUR	0.001		0	NR	NR	NR	NR	0
EPA WATCH LIST	0.001		0	NR	NR	NR	NR	0
2020 COR ACTION	0.250		0	0	NR	NR	NR	0
TSCA	0.001		0	NR	NR	NR	NR	0
TRIS	0.001		0	NR	NR	NR	NR	0
SSTS	0.001		0	NR	NR	NR	NR	0
ROD	1.000		0	0	0	0	NR	0
RMP	0.001		0	NR	NR	NR	NR	0
RAATS	0.001		0	NR	NR	NR	NR	0
PRP	0.001		0	NR	NR	NR	NR	0
PADS	0.001		0	NR	NR	NR	NR	0
ICIS	0.001		0	NR	NR	NR	NR	0
FTTS	0.001		0	NR	NR	NR	NR	0
MLTS	0.001		0	NR	NR	NR	NR	0
COAL ASH DOE	0.001		0	NR	NR	NR	NR	0
COAL ASH EPA	0.500		0	0	0	NR	NR	0
PCB TRANSFORMER	0.001		0	NR	NR	NR	NR	0
RADINFO	0.001		0	NR	NR	NR	NR	0
HIST FTTS	0.001		0	NR	NR	NR	NR	0
DOT OPS	0.001		0	NR	NR	NR	NR	0
CONSENT	1.000		0	0	0	0	NR	0
INDIAN RESERV	1.000		0	0	0	0	NR	0
FUSRAP	1.000		0	0	0	0	NR	0
UMTRA	0.500		0	0	0	NR	NR	0
LEAD SMELTERS	0.001		0	NR	NR	NR	NR	0
US AIRS	0.001		0	NR	NR	NR	NR	0
US MINES	0.250		0	0	NR	NR	NR	0
ABANDONED MINES	0.250		0	0	NR	NR	NR	0
FINDS	0.001		0	NR	NR	NR	NR	0
UXO	1.000		0	0	0	0	NR	0
DOCKET HWC	0.001		0	NR	NR	NR	NR	0
ECHO	0.001		0	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
FUELS PROGRAM	0.250		0	0	NR	NR	NR	0
CA BOND EXP. PLAN	1.000		0	0	0	0	NR	0
Cortese	0.500		0	0	4	NR	NR	4
CUPA Listings	0.250		0	0	NR	NR	NR	0
DRYCLEANERS	0.250		0	4	NR	NR	NR	4
EMI	0.001		0	NR	NR	NR	NR	0
ENF	0.001		0	NR	NR	NR	NR	0
Financial Assurance	0.001		0	NR	NR	NR	NR	0
HAZNET	0.001		0	NR	NR	NR	NR	0
ICE	0.001		0	NR	NR	NR	NR	0
HIST CORTESE	0.500		0	0	2	NR	NR	2
HWP	1.000		0	0	0	0	NR	0
HWT	0.250		0	1	NR	NR	NR	1
MINES	0.250		0	0	NR	NR	NR	0
MWMP	0.250		0	0	NR	NR	NR	0
NPDES	0.001		0	NR	NR	NR	NR	0
San Bern. Co. Permit	0.250		6	9	NR	NR	NR	15
PEST LIC	0.001		0	NR	NR	NR	NR	0
PROC	0.500		0	0	0	NR	NR	0
Notify 65	1.000		0	0	0	0	NR	0
UIC	0.001		0	NR	NR	NR	NR	0
UIC GEO	0.001		0	NR	NR	NR	NR	0
WASTEWATER PITS	0.500		0	0	0	NR	NR	0
WDS	0.001		0	NR	NR	NR	NR	0
WIP	0.250		0	0	NR	NR	NR	0
MILITARY PRIV SITES	0.001		0	NR	NR	NR	NR	0
PROJECT	0.001		0	NR	NR	NR	NR	0
WDR	0.001		0	NR	NR	NR	NR	0
CIWQS	0.001		0	NR	NR	NR	NR	0
CERS	0.001		0	NR	NR	NR	NR	0
NON-CASE INFO	0.001		0	NR	NR	NR	NR	0
OTHER OIL GAS	0.001		0	NR	NR	NR	NR	0
PROD WATER PONDS	0.001		0	NR	NR	NR	NR	0
SAMPLING POINT	0.001		0	NR	NR	NR	NR	0
WELL STIM PROJ	0.001		0	NR	NR	NR	NR	0
HWTS	TP		NR	NR	NR	NR	NR	0
MINES MRDS	0.001		0	NR	NR	NR	NR	0
EDR HIGH RISK HISTORICAL RECORDS								
EDR Exclusive Records								
EDR MGP	1.000		0	0	0	0	NR	0
EDR Hist Auto	0.125		1	NR	NR	NR	NR	1
EDR Hist Cleaner	0.125		0	NR	NR	NR	NR	0
EDR RECOVERED GOVERNMENT ARCHIVES								
Exclusive Recovered Govt. Archives								
RGA LF	0.001		0	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
RGA LUST	0.001		0	NR	NR	NR	NR	0
- Totals --		0	21	55	13	11	0	100

NOTES:

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

A1 **LONSDALE TRUCKING INC** **San Bern. Co. Permit S103634835**
NNW **16556 VALLEY BLVD** **HWTS N/A**
< 1/8 **FONTANA, CA 92335**
0.017 mi.
90 ft. **Site 1 of 2 in cluster A**

Relative:
Higher

Actual:
1120 ft.

San Bern. Co. Permit:

Name:	LONSDALE TRUCKING INC
Address:	16556 VALLEY BLVD
City,State,Zip:	FONTANA, CA 92335
Region:	SAN BERNARDINO
Facility ID:	FA0008298
Owner:	LONSDALE TRUCKING INC
Permit Number:	PT0014512
Permit Category:	SPECIAL GENERATOR
Facility Status:	INACTIVE
Expiration Date:	05/31/2007

Name:	LONSDALE TRUCKING INC
Address:	16556 VALLEY BLVD
City,State,Zip:	FONTANA, CA 92335
Region:	SAN BERNARDINO
Facility ID:	FA0008298
Owner:	LONSDALE TRUCKING INC
Permit Number:	PT0014513
Permit Category:	SPECIAL HANDLER
Facility Status:	INACTIVE
Expiration Date:	05/31/2007

Name:	BOB KEIRNS FRONT END SVC
Address:	16556 VALLEY BLVD
City,State,Zip:	FONTANA, CA 92335
Region:	SAN BERNARDINO
Facility ID:	FA0001518
Owner:	BOB KEIRNS FRONT END SVC
Permit Number:	PT0005337
Permit Category:	CONDITIONALLY EXEMPT SMALL QUANTITY GENERATOR
Facility Status:	INACTIVE
Expiration Date:	09/30/2004

HWTS:

Name:	LONSDALE TRUCKING INC
Address:	16556 VALLEY BLVD
Address 2:	Not reported
City,State,Zip:	FONTANA, CA 92335
EPA ID:	CAL000258402
Inactive Date:	06/30/2006
Create Date:	08/28/2002
Last Act Date:	Not reported
Mailing Name:	Not reported
Mailing Address:	5626 MALVERN WAY
Mailing Address 2:	Not reported
Mailing City,State,Zip:	RIVERSIDE, CA 925063548
Owner Name:	DAVID LONSDALE
Owner Address:	5626 MALVERN WAY
Owner Address 2:	Not reported
Owner City,State,Zip:	RIVERSIDE, CA 925063548
Contact Name:	DAVID LONSDALE
Contact Address:	12124 SEVERN WAY

LONSDALE TRUCKING INC (Continued) **S103634835**

Contact Address 2:	Not reported
City,State,Zip:	RIVERSIDE, CA 92503
Facility Status:	Inactive
Facility Type:	PERMANENT
Category:	STATE
Latitude:	34.07043
Longitude:	-117.443097
NAICS:	
EPA ID:	CAL000258402
Create Date:	2002-08-28 14:47:35.170
NAICS Code:	48411
NAICS Description:	General Freight Trucking, Local
Issued EPA ID Date:	2002-08-28 14:47:35.12300
Inactive Date:	2006-06-30 10:14:52
Facility Name:	LONSDALE TRUCKING INC
Facility Address:	16556 VALLEY BLVD
Facility Address 2:	Not reported
Facility City:	FONTANA
Facility County:	Not reported
Facility State:	CA
Facility Zip:	923350000

A2 **PREMIER TRANSMISSION** **EDR Hist Auto** **1022085074**
NNW **16584 VALLEY BLVD** **N/A**
< 1/8 **FONTANA, CA 92335**
0.017 mi.
90 ft. **Site 2 of 2 in cluster A**

Relative: EDR Hist Auto
Higher

Actual:
1120 ft.

Year:	Name:	Type:
2006	PREMIER TRANSMISSION	Automotive Transmission Repair Shops
2007	PREMIER TRANSMISSION	Automotive Transmission Repair Shops
2008	PREMIER TRANSMISSION	Automotive Transmission Repair Shops
2009	PREMIER TRANSMISSION	Automotive Transmission Repair Shops
2010	PREMIER TRANSMISSION	Automotive Transmission Repair Shops
2011	PREMIER TRANSMISSION	Automotive Transmission Repair Shops
2012	PREMIER TRANSMISSION	Automotive Transmission Repair Shops

---

3 **DESERET INDUSTRIES** **RCRA NonGen / NLR** **1025875108**
WSW **16593 VALLEY BLVD** **CAL000448241**
< 1/8 **FONTANA, CA 92335**
0.027 mi.
141 ft.

Relative: RCRA NonGen / NLR:
Lower

Actual:
1113 ft.

Date Form Received by Agency:		20190816
Handler Name:	DESERET INDUSTRIES	
Handler Address:		16593 VALLEY BLVD
Handler City,State,Zip:		FONTANA, CA 92335
EPA ID:		CAL000448241
Contact Name:		JOVANY ESCOBAR
Contact Address:		16593 VALLEY BLVD
Contact City,State,Zip:		FONTANA, CA 92335
Contact Telephone:		909-854-3946

DESERET INDUSTRIES (Continued) **1025875108**

Contact Fax:	909-854-3941
Contact Email:	ESCOBARJ@CHURCHOFJESUSCHRIST.ORG
Contact Title:	Not reported
EPA Region:	09
Land Type:	Not reported
Federal Waste Generator Description:	Not a generator, verified
Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Not reported
State District Owner:	Not reported
State District:	Not reported
Mailing Address:	16593 VALLEY BLVD
Mailing City,State,Zip:	FONTANA, CA 92335
Owner Name:	THE CHURCH OF JESUS CHRIST OF LATTER
Owner Type:	Other
Operator Name:	JOVANY ESCOBAR
Operator Type:	Other
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A

DESERET INDUSTRIES (Continued) **1025875108**

Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20190910
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Operator
Owner/Operator Name:	JOVANY ESCOBAR
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	16593 VALLEY BLVD
Owner/Operator City,State,Zip:	FONTANA, CA 92335
Owner/Operator Telephone:	909-854-3946
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Owner
Owner/Operator Name:	THE CHURCH OF JESUS CHRIST OF LATTER
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	16593 VALLEY BLVD
Owner/Operator City,State,Zip:	FONTANA, CA 92335
Owner/Operator Telephone:	909-854-3946
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	20190816
Handler Name: DESERET INDUSTRIES	
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

DESERET INDUSTRIES (Continued) **1025875108**

List of NAICS Codes and Descriptions:
NAICS Code: 522298
NAICS Description: ALL OTHER NONDEPOSITORY CREDIT INTERMEDIATION

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

B4 **CARDENAS MARKETS #7** **RCRA NonGen / NLR** **1024820383**
ENE **16721 VALLEY BLVD** **CAL000333479**
< 1/8 **FONTANA, CA 92335**
0.031 mi.
165 ft. **Site 1 of 4 in cluster B**

Relative:
Higher

Actual:
1120 ft.

RCRA NonGen / NLR:

Date Form Received by Agency:		20080609
Handler Name:	CARDENAS MARKETS #7	
Handler Address:		16721 VALLEY BLVD
Handler City,State,Zip:		FONTANA, CA 92335-6692
EPA ID:		CAL000333479
Contact Name:		ROBERT LOPEZ
Contact Address:		2501 E. GUASTI RD.
Contact City,State,Zip:		ONTARIO, CA 91761
Contact Telephone:		951-775-4783
Contact Fax:		Not reported
Contact Email:		RLOPEZ@CMKTS.COM
Contact Title:		Not reported
EPA Region:		09
Land Type:		Not reported
Federal Waste Generator Description:		Not a generator, verified
Non-Notifier:		Not reported
Biennial Report Cycle:		Not reported
Accessibility:		Not reported
Active Site Indicator:		Handler Activities
State District Owner:		Not reported
State District:		Not reported
Mailing Address:		2501 E GUASTI RD
Mailing City,State,Zip:		ONTARIO, CA 91761-3631
Owner Name:		CARDENAS MARKETS INC
Owner Type:		Other
Operator Name:		ROBERT LOPEZ
Operator Type:		Other
Short-Term Generator Activity:		No
Importer Activity:		No
Mixed Waste Generator:		No
Transporter Activity:		No
Transfer Facility Activity:		No
Recycler Activity with Storage:		No
Small Quantity On-Site Burner Exemption:		No
Smelting Melting and Refining Furnace Exemption:		No
Underground Injection Control:		No
Off-Site Waste Receipt:		No
Universal Waste Indicator:		Yes

CARDENAS MARKETS #7 (Continued) **1024820383**

Universal Waste Destination Facility:	Yes
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20180905
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name:	CARDENAS MARKETS INC
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	2501 E GUASTI RD
Owner/Operator City,State,Zip:	ONTARIO, CA 91761-3631
Owner/Operator Telephone:	909-923-7426
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported

CARDENAS MARKETS #7 (Continued) **1024820383**

Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator
Owner/Operator Name: ROBERT LOPEZ
Legal Status: Other
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: 2501 E. GUASTI RD.
Owner/Operator City,State,Zip: ONTARIO, CA 91761
Owner/Operator Telephone: 951-775-4783
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Historic Generators:
Receive Date: 20080609
Handler Name: CARDENAS MARKETS #7
Federal Waste Generator Description: Not a generator, verified
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Code: 42249
NAICS Description: OTHER GROCERY AND RELATED PRODUCTS WHOLESALERS

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

B5 **EXPO NUMBER 600** **RCRA-SQG 1000857705**
ENE **16721 VALLEY BLVD** **FINDS CAD983671504**
< 1/8 **FONTANA, CA 92335** **ECHO**
0.031 mi.
165 ft. **Site 2 of 4 in cluster B**

Relative:
Higher

Actual:
1120 ft.

RCRA-SQG:
Date Form Received by Agency: 19930712
Handler Name: EXPO NUMBER 600
Handler Address: 16721 VALLEY BLVD
Handler City,State,Zip: FONTANA, CA 92335
EPA ID: CAD983671504
Contact Name: RICK RIVERA
Contact Address: 16721 VALLEY BLVD
Contact City,State,Zip: FONTANA, CA 92335
Contact Telephone: 909-428-0770
Contact Fax: Not reported

EXPO NUMBER 600 (Continued) **1000857705**

Contact Email:	Not reported
Contact Title:	Not reported
EPA Region:	09
Land Type:	Private
Federal Waste Generator Description:	Small Quantity Generator
Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Handler Activities
State District Owner:	Not reported
State District:	Not reported
Mailing Address:	VALLEY BLVD
Mailing City,State,Zip:	FONTANA, CA 92335
Owner Name:	VONS COMPANIES INC
Owner Type:	Private
Operator Name:	Not reported
Operator Type:	Not reported
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	NN
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A

EXPO NUMBER 600 (Continued) **1000857705**

Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20000915
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	Not reported
Manifest Broker:	Not reported
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name:	VONS COMPANIES INC
Legal Status:	Private
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	P O BOX 3338
Owner/Operator City,State,Zip:	LOS ANGELES, CA 90051
Owner/Operator Telephone:	818-821-7741
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	19930712
Handler Name: EXPO NUMBER 600	
Federal Waste Generator Description:	Small Quantity Generator
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

List of NAICS Codes and Descriptions:

NAICS Codes:	No NAICS Codes Found

Facility Has Received Notices of Violations:

Violations:	No Violations Found

Evaluation Action Summary:

Evaluations:	No Evaluations Found

EXPO NUMBER 600 (Continued) **1000857705**

FINDS:
Registry ID: 110002901584

Click Here:

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.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:
Envid: 1000857705
Registry ID: 110002901584
DFR URL: http://echo.epa.gov/detailed-facility-report?fid=110002901584
Name: EXPO NUMBER 600
Address: 16721 VALLEY BLVD
City,State,Zip: FONTANA, CA 92335

B6 **CARDENAS MARKETS #7** **CERS HAZ WASTE** **S113019540**
ENE **16721 VALLEY BLVD** **San Bern. Co. Permit** **N/A**
< 1/8 **FONTANA, CA 92335** **CERS**
0.031 mi.
165 ft. **Site 3 of 4 in cluster B**

Relative: Higher
Actual: 1120 ft.

CERS HAZ WASTE:
Name: CARDENAS MARKETS #7
Address: 16721 VALLEY BLVD
City,State,Zip: FONTANA, CA 92335
Site ID: 16433
CERS ID: 10615240
CERS Description: Hazardous Waste Generator

San Bern. Co. Permit:
Name: CARDENAS MARKETS #7
Address: 16721 VALLEY BLVD
City,State,Zip: FONTANA, CA 92335
Region: SAN BERNARDINO
Facility ID: FA0016716
Owner: Cardenas Markets, LLC.
Permit Number: PT0036168
Permit Category: HAZARDOUS MATERIALS 1-3 CHEMICALS
Facility Status: ACTIVE
Expiration Date: 08/31/2022

Name: CARDENAS MARKETS #7
Address: 16721 VALLEY BLVD
City,State,Zip: FONTANA, CA 92335
Region: SAN BERNARDINO
Facility ID: FA0016716
Owner: Cardenas Markets, LLC.
Permit Number: PT0036057
Permit Category: CONDITIONALLY EXEMPT SM QTY GENERATOR

CARDENAS MARKETS #7 (Continued) **S113019540**

Facility Status: ACTIVE
Expiration Date: 08/31/2022

CERS:

Name:	CARDENAS MARKETS #7
Address:	16721 VALLEY BLVD
City,State,Zip:	FONTANA, CA 92335
Site ID:	16433
CERS ID:	10615240
CERS Description:	Chemical Storage Facilities

Evaluation:

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	03-05-2018
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Not reported
Eval Division:	San Bernardino County Fire Department
Eval Program:	HMRRP
Eval Source:	CERS,

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	03-22-2021
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Not reported
Eval Division:	San Bernardino County Fire Department
Eval Program:	HMRRP
Eval Source:	CERS,

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	03-05-2018
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Not reported
Eval Division:	San Bernardino County Fire Department
Eval Program:	HW
Eval Source:	CERS,

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	03-22-2021
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Not reported
Eval Division:	San Bernardino County Fire Department
Eval Program:	HW
Eval Source:	CERS,

Coordinates:

Site ID:	16433
Facility Name:	Cardenas Markets #7
Env Int Type Code:	HWG
Program ID:	10615240
Coord Name:	Not reported
Ref Point Type Desc:	Center of a facility or station.,
Latitude:	34.070240
Longitude:	-117.439460

CARDENAS MARKETS #7 (Continued) **S113019540**

Affiliation:

Affiliation Type Desc:	CUPA District
Entity Name:	San Bernardino County Fire
Entity Title:	Not reported
Affiliation Address:	620 South E Street
Affiliation City:	San Bernardino
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	92415-0153
Affiliation Phone:	(909) 386-8401,

Affiliation Type Desc:	Legal Owner
Entity Name:	Cardenas Markets, LLC.
Entity Title:	Not reported
Affiliation Address:	2501 E. Guasti Rd.
Affiliation City:	Ontario
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	91761
Affiliation Phone:	(909) 923-7426,

Affiliation Type Desc:	Document Preparer
Entity Name:	Mirna Ruacho
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,

Affiliation Type Desc:	Environmental Contact
Entity Name:	Mirna Ruacho
Entity Title:	Not reported
Affiliation Address:	2501 E. Guasti Rd.
Affiliation City:	Ontario
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	91761
Affiliation Phone:	,

Affiliation Type Desc:	Operator
Entity Name:	Cardenas Markets #7
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	(909) 854-6629,

Affiliation Type Desc:	Facility Mailing Address
Entity Name:	Mailing Address
Entity Title:	Not reported
Affiliation Address:	2501 E. Guasti Rd.
Affiliation City:	Ontario
Affiliation State:	CA

CARDENAS MARKETS #7 (Continued) **S113019540**

Affiliation Country: Not reported
Affiliation Zip: 91761
Affiliation Phone: ,

Affiliation Type Desc: Identification Signer
Entity Name: Mirna Ruacho
Entity Title: Quality Assurance Manager
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

Affiliation Type Desc: Parent Corporation
Entity Name: Cardenas Markets, LLC.
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

Affiliation Type Desc: Property Owner
Entity Name: JG Management
Entity Title: Not reported
Affiliation Address: 5743 Corsa Ave., Ste 200
Affiliation City: Westlake Village
Affiliation State: CA
Affiliation Country: United States
Affiliation Zip: 91362
Affiliation Phone: (818) 483-1611,

B7 **CARDENAS MARKETS #7** **RCRA NonGen / NLR** **1025877300**
ENE **16721 VALLEY BLVD** **CAL000450438**
< 1/8 **FONTANA, CA 92335**
0.031 mi.
165 ft. **Site 4 of 4 in cluster B**

Relative: RCRA NonGen / NLR:
Higher
Date Form Received by Agency: 20191104
Actual: Handler Name: CARDENAS MARKETS #7
1120 ft. Handler Address: 16721 VALLEY BLVD
Handler City,State,Zip: FONTANA, CA 92335-6692
EPA ID: CAL000450438
Contact Name: MIRNA RUACHO
Contact Address: 2501 E. GUASTI RD.
Contact City,State,Zip: ONTARIO, CA 91761
Contact Telephone: 909-470-7135
Contact Fax: Not reported
Contact Email: MRUACHO@CMKTS.COM
Contact Title: Not reported
EPA Region: 09
Land Type: Not reported
Federal Waste Generator Description: Not a generator, verified
Non-Notifier: Not reported

CARDENAS MARKETS #7 (Continued) **1025877300**

Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Not reported
State District Owner:	Not reported
State District:	Not reported
Mailing Address:	2501 E GUASTI RD
Mailing City,State,Zip:	ONTARIO, CA 91761-3631
Owner Name:	CARDENAS MARKETS INC
Owner Type:	Other
Operator Name:	MIRNA RUACHO
Operator Type:	Other
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No

CARDENAS MARKETS #7 (Continued) **1025877300**

Financial Assurance Required:	Not reported
Handler Date of Last Change:	20191108
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name:	CARDENAS MARKETS INC
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	2501 E GUASTI RD
Owner/Operator City,State,Zip:	ONTARIO, CA 91761-3631
Owner/Operator Telephone:	909-923-7426
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator
Owner/Operator Name:	MIRNA RUACHO
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	2501 E. GUASTI RD.
Owner/Operator City,State,Zip:	ONTARIO, CA 91761
Owner/Operator Telephone:	909-470-7135
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	20191104
Handler Name: CARDENAS MARKETS #7	
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

List of NAICS Codes and Descriptions:

NAICS Code:	454390
NAICS Description:	OTHER DIRECT SELLING ESTABLISHMENTS

Facility Has Received Notices of Violations:

CARDENAS MARKETS #7 (Continued) **1025877300**

Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

C8
East
< 1/8
0.063 mi.
335 ft.

PEP BOYS #680
16711 VALLEY BLVD
FONTANA, CA 92335
Site 1 of 3 in cluster C

CERS HAZ WASTE **1007677194**
FINDS **N/A**
San Bern. Co. Permit
CERS

Relative:
Higher

Actual:
1117 ft.

CERS HAZ WASTE:
Name: PEP BOYS-FONTANA #680
Address: 16711 VALLEY BLVD
City,State,Zip: FONTANA, CA 92335
Site ID: 56188
CERS ID: 10043044
CERS Description: Hazardous Waste Generator

FINDS:
Registry ID: 110017950582

Click Here:

Environmental Interest/Information System:
STATE MASTER
UORS (California - Used Oil Recycling System). California Integrated Waste Management Board (CIWMB) helps communities establish and promote convenient collection opportunities for used oil and used oil filters.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

San Bern. Co. Permit:
Name: PEP BOYS-FONTANA #680
Address: 16711 VALLEY BLVD
City,State,Zip: FONTANA, CA 92335
Region: SAN BERNARDINO
Facility ID: FA0005280
Owner: PEP BOYS - MANNY, MOE & JACK
Permit Number: PT0005775
Permit Category: HAZARDOUS MATERIALS 4-10 CHEMICALS
Facility Status: ACTIVE
Expiration Date: 09/30/2022

Name: PEP BOYS-FONTANA #680
Address: 16711 VALLEY BLVD
City,State,Zip: FONTANA, CA 92335
Region: SAN BERNARDINO
Facility ID: FA0005280
Owner: PEP BOYS - MANNY, MOE & JACK
Permit Number: PT0005774
Permit Category: LARGE QUANTITY GENERATOR
Facility Status: ACTIVE
Expiration Date: 09/30/2022

Name: AUTO PLUS #10753

PEP BOYS #680 (Continued) **1007677194**

Address: 16711 VALLEY BLVD
City,State,Zip: FONTANA, CA 92335
Region: SAN BERNARDINO
Facility ID: FA0018858
Owner: AUTO PLUS
Permit Number: PT0040715
Permit Category: CONDITIONALLY EXEMPT SM QTY GENERATOR SPECIAL
Facility Status: INACTIVE
Expiration Date: 08/31/2022

Name: PEP BOYS-FONTANA #680
Address: 16711 VALLEY BLVD
City,State,Zip: FONTANA, CA 92335
Region: SAN BERNARDINO
Facility ID: FA0005280
Owner: PEP BOYS - MANNY, MOE & JACK
Permit Number: PT0005773
Permit Category: CE ANNUAL FEE
Facility Status: INACTIVE
Expiration Date: 09/30/2007

CERS:
Name: PEP BOYS-FONTANA #680
Address: 16711 VALLEY BLVD
City,State,Zip: FONTANA, CA 92335
Site ID: 56188
CERS ID: 10043044
CERS Description: Chemical Storage Facilities

Violations:
Site ID: 56188
Site Name: PEP BOYS-FONTANA #680
Violation Date: 11-08-2017
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description: Failure to complete and electronically submit hazardous material inventory information for all reportable hazardous materials on site at or above reportable quantities.
Violation Notes: Returned to compliance on 09/23/2020. The facility hazardous material inventory has omission and inaccuracies; oil/absorbent waste is not disclosed and two 16-gallon containers of brake fluid waste were present (a 100% increase in disclosed storage).
Violation Division: San Bernardino County Fire Department
Violation Program: HMRRP
Violation Source: CERS,

Site ID: 56188
Site Name: PEP BOYS-FONTANA #680
Violation Date: 11-08-2017
Citation: HSC 6.5 Multiple - California Health and Safety Code, Chapter 6.5, Section(s) Multiple
Violation Description: Hazardous Waste Generator Program - Operations/Maintenance - General
Violation Notes: Returned to compliance on 09/23/2020. Failure to note accumulation start date on labels (CCR 66262.34(f)(2)) The hazardous waste labeling on a container of parts washer related waste has faded and is no longer legible and there was no accumulation start date on a container or defective retail product hazardous waste.

PEP BOYS #680 (Continued) **1007677194**

Violation Division:	San Bernardino County Fire Department
Violation Program:	HW
Violation Source:	CERS,
Site ID:	56188
Site Name:	PEP BOYS-FONTANA #680
Violation Date:	09-23-2020
Citation:	HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description:	Failure to complete and electronically submit hazardous material inventory information for all reportable hazardous materials on site at or above reportable quantities.
Violation Notes:	Returned to compliance on 09/24/2020. OBSERVATION: Observed (2) 55-gallon drums of waste oily solids that were not disclosed on the hazardous materials inventory via CERS. Your CERS ID number is 10043044. CORRECTIVE ACTION: Update the hazardous materials inventory via CERS by adding (2) 55-gallon drums of waste oily solids.
Violation Division:	San Bernardino County Fire Department
Violation Program:	HMRRP
Violation Source:	CERS,
Site ID:	56188
Site Name:	PEP BOYS-FONTANA #680
Violation Date:	11-08-2017
Citation:	HSC 6.5 Multiple - California Health and Safety Code, Chapter 6.5, Section(s) Multiple
Violation Description:	Hazardous Waste Generator Program - Operations/Maintenance - General
Violation Notes:	Returned to compliance on 09/23/2020. Failure to complete hazardous waste labels (CCR 66262.34(f)(3)) The hazardous waste labeling on a container of parts washer related waste has faded and is no longer legible.
Violation Division:	San Bernardino County Fire Department
Violation Program:	HW
Violation Source:	CERS,
Site ID:	56188
Site Name:	PEP BOYS-FONTANA #680
Violation Date:	10-08-2014
Citation:	HSC 6.5 Multiple Sections - California Health and Safety Code, Chapter 6.5, Section(s) Multiple Sections
Violation Description:	Haz Waste Generator Program - Operations/Maintenance - General
Violation Notes:	Returned to compliance on 10/08/2014. Failure to operate and maintain facility to prevent a fire, spill or release (CCR 66265.31) Some small spills observed in the hazardous waste storage area. Spills appear to be related to transfer of oil to the main waste oil storage tank. Revise practices to avoid oil spillage.
Violation Division:	San Bernardino County Fire Department
Violation Program:	HW
Violation Source:	CERS,
Site ID:	56188
Site Name:	PEP BOYS-FONTANA #680
Violation Date:	11-08-2017
Citation:	HSC 6.5 Multiple - California Health and Safety Code, Chapter 6.5, Section(s) Multiple
Violation Description:	Hazardous Waste Generator Program - Operations/Maintenance - General
Violation Notes:	Returned to compliance on 09/23/2020. Failure to keep hazardous waste

PEP BOYS #680 (Continued) **1007677194**

containers closed when not in active use (CCR 66265.173(a)) A 16-gallon container of waste brake fluid and 55 gallon container of oil/absorbent (paper filter) waste were not sealed.
Violation Division: San Bernardino County Fire Department
Violation Program: HW
Violation Source: CERS,

Site ID: 56188
Site Name: PEP BOYS-FONTANA #680
Violation Date: 11-08-2017
Citation: HSC 6.5 Multiple - California Health and Safety Code, Chapter 6.5, Section(s) Multiple
Violation Description: Hazardous Waste Generator Program - Operations/Maintenance - General
Violation Notes: Returned to compliance on 09/23/2020. Failure to label hazardous waste containers (CCR 66262.34(f)(3)) A defective retail product hazardous waste container lacked the required hazardous waste labeling.
Violation Division: San Bernardino County Fire Department
Violation Program: HW
Violation Source: CERS,

Site ID: 56188
Site Name: PEP BOYS-FONTANA #680
Violation Date: 11-08-2017
Citation: HSC 6.5 Multiple - California Health and Safety Code, Chapter 6.5, Section(s) Multiple
Violation Description: Hazardous Waste Generator Program - Operations/Maintenance - General
Violation Notes: Returned to compliance on 09/23/2020. Failure to operate and maintain facility to prevent a fire, spill or release (CCR 66265.31) Petroleum spill observed on the floor in one corner of the hazardous material storage room.
Violation Division: San Bernardino County Fire Department
Violation Program: HW
Violation Source: CERS,

Site ID: 56188
Site Name: PEP BOYS-FONTANA #680
Violation Date: 11-08-2017
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description: Failure to complete and electronically submit a site map with all required content.
Violation Notes: Returned to compliance on 09/23/2020. Trench drains at each service bay opening and the three compartment clarifier and holding tank are not depicted on the facility site map.
Violation Division: San Bernardino County Fire Department
Violation Program: HMRRP
Violation Source: CERS,

Site ID: 56188
Site Name: PEP BOYS-FONTANA #680
Violation Date: 11-08-2017
Citation: HSC 6.5 25250.22 - California Health and Safety Code, Chapter 6.5, Section(s) 25250.22
Violation Description: Failure to properly manage used oil and/or fuel filters in accordance with the requirements.
Violation Notes: Returned to compliance on 09/23/2020. Used oil filter containers are not maintained in a closed condition.

PEP BOYS #680 (Continued) **1007677194**

Violation Division: San Bernardino County Fire Department
Violation Program: HW
Violation Source: CERS,

Evaluation:
Eval General Type: Compliance Evaluation Inspection
Eval Date: 09-23-2020
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: San Bernardino County Fire Department
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 11-08-2017
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: San Bernardino County Fire Department
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 09-23-2020
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: San Bernardino County Fire Department
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 10-08-2014
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Routine inspection
Eval Division: San Bernardino County Fire Department
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 10-08-2014
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Routine inspection
Eval Division: San Bernardino County Fire Department
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 11-08-2017
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: San Bernardino County Fire Department
Eval Program: HW

PEP BOYS #680 (Continued) **1007677194**

Eval Source: CERS,

Enforcement Action:
Site ID: 56188
Site Name: PEP BOYS-FONTANA #680
Site Address: 16711 VALLEY BLVD
Site City: FONTANA
Site Zip: 92335
Enf Action Date: 10-08-2014
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: San Bernardino County Fire Department
Enf Action Program: HW
Enf Action Source: CERS,

Coordinates:
Site ID: 56188
Facility Name: PEP BOYS-FONTANA #680
Env Int Type Code: HWG
Program ID: 10043044
Coord Name: Not reported
Ref Point Type Desc: Unknown,
Latitude: 34.069267
Longitude: -117.439003

Affiliation:
Affiliation Type Desc: Operator
Entity Name: Pep Boys Corpora??on
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: (215) 430-9226,

Affiliation Type Desc: CUPA District
Entity Name: San Bernardino County Fire
Entity Title: Not reported
Affiliation Address: 620 South E Street
Affiliation City: San Bernardino
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 92415-0153
Affiliation Phone: (909) 386-8401,

Affiliation Type Desc: Document Preparer
Entity Name: David Abraham
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

PEP BOYS #680 (Continued) **1007677194**

Affiliation Type Desc:	Environmental Contact
Entity Name:	David Abraham
Entity Title:	Not reported
Affiliation Address:	3111 W Allegheny Ave, A??n: Environmental Department
Affiliation City:	Philadelphia
Affiliation State:	PA
Affiliation Country:	Not reported
Affiliation Zip:	19132
Affiliation Phone:	,

Affiliation Type Desc:	Parent Corporation
Entity Name:	Pep Boys- Manny, Moe & Jack
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,

Affiliation Type Desc:	Property Owner
Entity Name:	J.G. MANAGEMENT CO., INC
Entity Title:	Not reported
Affiliation Address:	5743 Corsa Avenue, Suite 200
Affiliation City:	Westlake Village
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	91362
Affiliation Phone:	(818) 707-9494,

Affiliation Type Desc:	Facility Mailing Address
Entity Name:	Mailing Address
Entity Title:	Not reported
Affiliation Address:	3111 W Allegheny Ave, A??n: Environmental Department
Affiliation City:	Philadelphia
Affiliation State:	PA
Affiliation Country:	Not reported
Affiliation Zip:	19132
Affiliation Phone:	,

Affiliation Type Desc:	Identification Signer
Entity Name:	David Abraham
Entity Title:	California EHS Manager
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,

Affiliation Type Desc:	Legal Owner
Entity Name:	Pep Boys Corpora??on
Entity Title:	Not reported
Affiliation Address:	3111 W Allegheny Ave, A??n: Environmental Department
Affiliation City:	Philadelphia
Affiliation State:	PA
Affiliation Country:	United States

PEP BOYS #680 (Continued) **1007677194**

Affiliation Zip: 19132
Affiliation Phone: (215) 430-9095,

C9 **IEH AUTO PARTS LLC DBA AUTO PLUS #680** **RCRA NonGen / NLR** **1026721809**
East **16711 VALLEY BLVD STE B** **CAL000458847**
< 1/8 **FONTANA, CA 92335**
0.063 mi.
335 ft. **Site 2 of 3 in cluster C**

Relative: **Higher**
Actual: **1117 ft.**

RCRA NonGen / NLR:

Date Form Received by Agency:	20201216
Handler Name:	IEH AUTO PARTS LLC DBA AUTO PLUS #680
Handler Address:	16711 VALLEY BLVD STE B
Handler City,State,Zip:	FONTANA, CA 92335
EPA ID:	CAL000458847
Contact Name:	ANGELA BANKS
Contact Address:	3111 W ALLEGHENY AVE
Contact City,State,Zip:	PHILADELPHIA, PA 19132
Contact Telephone:	215-430-9645
Contact Fax:	215-430-4639
Contact Email:	ANGELA_BANKS@PEPBOYS.COM
Contact Title:	Not reported
EPA Region:	09
Land Type:	Not reported
Federal Waste Generator Description:	Not a generator, verified
Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Not reported
State District Owner:	Not reported
State District:	Not reported
Mailing Address:	3111 W ALLEGHENY AVE
Mailing City,State,Zip:	PHILADELPHIA, PA 19132
Owner Name:	IEH AUTO PARTS LLC
Owner Type:	Other
Operator Name:	ANGELA BANKS
Operator Type:	Other
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported

IEH AUTO PARTS LLC DBA AUTO PLUS #680 (Continued) **1026721809**

Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20201218
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name:	IEH AUTO PARTS LLC
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	3111 W ALLEGHENY AVE
Owner/Operator City,State,Zip:	PHILADELPHIA, PA 19132
Owner/Operator Telephone:	215-430-9000
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator
Owner/Operator Name:	ANGELA BANKS
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	3111 W ALLEGHENY AVE
Owner/Operator City,State,Zip:	PHILADELPHIA, PA 19132

IEH AUTO PARTS LLC DBA AUTO PLUS #680 (Continued) **1026721809**

Owner/Operator Telephone: 215-430-9645
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Historic Generators:
Receive Date: 20201216
Handler Name: IEH AUTO PARTS LLC DBA AUTO PLUS #680
Federal Waste Generator Description: Not a generator, verified
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Code: 452319
NAICS Description: ALL OTHER GENERAL MERCHANDISE STORES

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

C10 **PEP BOYS STORE#0680** **RCRA-SQG** **1024790388**
East **16711 VALLEY BLVD** **CAL000082946**
< 1/8 **FONTANA, CA 92335**
0.063 mi.
335 ft. **Site 3 of 3 in cluster C**

Relative: **Higher**
Actual: **1117 ft.**

RCRA-SQG:
Date Form Received by Agency: 20201211
Handler Name: PEP BOYS STORE#0680
Handler Address: 16711 VALLEY BLVD
Handler City,State,Zip: FONTANA, CA 92335-0000
EPA ID: CAL000082946
Contact Name: ANGELA BANKS
Contact Address: W ALLEGHENY AVE
Contact City,State,Zip: PHILADELPHIA, PA 19132
Contact Telephone: 215-430-9645
Contact Fax: Not reported
Contact Email: ANGELA_BANKS@PEPBOYS.COM
Contact Title: DIRECTOR OF ENVIRONMENTAL COMPLIANCE
EPA Region: 09
Land Type: Private
Federal Waste Generator Description: Small Quantity Generator
Non-Notifier: Not reported
Biennial Report Cycle: Not reported
Accessibility: Not reported
Active Site Indicator: Handler Activities

PEP BOYS STORE#0680 (Continued) **1024790388**

State District Owner:	Not reported
State District:	Not reported
Mailing Address:	W ALLEGHENY AVE
Mailing City,State,Zip:	PHILADELPHIA, PA 19132
Owner Name:	THE BARALAT COMPANY INLAND EMPIRE SHOPPING CENTER INC.
Owner Type:	Private
Operator Name:	THE PEP BOYS - MANNY, MOE & JACK OF CALIFORNIA
Operator Type:	Private
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20201217

PEP BOYS STORE#0680 (Continued) **1024790388**

Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Hazardous Waste Summary:

Waste Code:	D001
Waste Description:	IGNITABLE WASTE

Handler - Owner Operator:

Owner/Operator Indicator:	Operator
Owner/Operator Name:	THE PEP BOYS - MANNY, MOE & JACK OF CALIFORNIA
Legal Status:	Private
Date Became Current:	19910929
Date Ended Current:	Not reported
Owner/Operator Address:	3111 W ALLEGHENY AVE
Owner/Operator City,State,Zip:	PHILADELPHIA, PA 19132
Owner/Operator Telephone:	215-430-9000
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	ANGELA_BANKS@PEPBOYS.COM

Owner/Operator Indicator:	Owner
Owner/Operator Name:	THE PEP BOYS MANNY MOE & JACK OF CA
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	3111 WEST ALLEGHENY AVE
Owner/Operator City,State,Zip:	PHILADELPHIA, PA 19132-0000
Owner/Operator Telephone:	215-430-9226
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Owner
Owner/Operator Name:	THE BARALAT COMPANY INLAND EMPIRE SHOPPING CENTER C/O J.G. MA INC.
Legal Status:	Private
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	5743 CORSA AVENUE
Owner/Operator City,State,Zip:	WESTLAKE VILLAGE, CA 91362
Owner/Operator Telephone:	818-707-9494
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator
Owner/Operator Name:	ALANA PERSAD
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported

PEP BOYS STORE#0680 (Continued) **1024790388**

Owner/Operator Address: PEP BOYS -MANNY, MOE & JACK
Owner/Operator City,State,Zip: PHILADELPHIA, PA 19132
Owner/Operator Telephone: 215-430-9226
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Historic Generators:
Receive Date: 19930728
Handler Name: PEP BOYS STORE#0680
Federal Waste Generator Description: Not a generator, verified
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 20201211
Handler Name: PEP BOYS STORE#0680
Federal Waste Generator Description: Small Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: No
Electronic Manifest Broker: No

List of NAICS Codes and Descriptions:
NAICS Code: 441310
NAICS Description: AUTOMOTIVE PARTS AND ACCESSORIES STORES

NAICS Code: 811111
NAICS Description: GENERAL AUTOMOTIVE REPAIR

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

D11 **ACT COMPLIANCE DBA FLEETSERV** **CERS HAZ WASTE** **S113883371**
SW **16516 WASHINGTON DR** **HAZNET** **N/A**
< 1/8 **FONTANA, CA 92335** **San Bern. Co. Permit**
0.088 mi. **CERS**
466 ft. **Site 1 of 2 in cluster D** **HWTS**

Relative:
Lower

Actual:
1107 ft.

CERS HAZ WASTE:
Name: ACT COMPLIANCE DBA FLEETSERV
Address: 16516 WASHINGTON DR
City,State,Zip: FONTANA, CA 92335
Site ID: 2946
CERS ID: 10451869
CERS Description: Hazardous Waste Generator

HAZNET:
Name: ACT COMPLIANCE DBA FLEETSERV
Address: 16516 WASHINGTON DR
Address 2: Not reported
City,State,Zip: FONTANA, CA 92335
Contact: MICHAEL SCHWARTZ
Telephone: 8883154228
Mailing Name: Not reported
Mailing Address: PO BOX 79108

Year: 2016
Gepaid: CAL000387521
TSD EPA ID: AZR000515924
CA Waste Code: 352 - Other organic solids
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.25

Year: 2015
Gepaid: CAL000387521
TSD EPA ID: AZR000515924
CA Waste Code: 352 - Other organic solids
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.875

Year: 2014
Gepaid: CAL000387521
TSD EPA ID: NVT330010000
CA Waste Code: 352 - Other organic solids
Disposal Method: H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Tons: 1

Year: 2014
Gepaid: CAL000387521
TSD EPA ID: CAD099452708
CA Waste Code: 221 - Waste oil and mixed oil
Disposal Method: H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Tons: 0.76

Year: 2013
Gepaid: CAL000387521
TSD EPA ID: NVT330010000

ACT COMPLIANCE DBA FLEETSERV (Continued) **S113883371**

CA Waste Code: 352 - Other organic solids
Disposal Method: H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Tons: 0.85

Additional Info:
Year: 2014
Gen EPA ID: CAL000387521

Shipment Date: 20140904
Creation Date: 2/7/2015 22:15:11
Receipt Date: 20140908
Manifest ID: 013420631JJK
Trans EPA ID: CAR000175422
Trans Name: WORLDWIDE RECOVERY SYSTEMS INC
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDF EPA ID: NVT330010000
Trans Name: US ECOLOGY (BEATTY NV)
TSDF Alt EPA ID: Not reported
TSDF Alt Name: Not reported
Waste Code Description: 352 - Other organic solids
RCRA Code: Not reported
Meth Code: H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons: 0.5
Waste Quantity: 1000
Quantity Unit: P
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Shipment Date: 20140506
Creation Date: 10/10/2014 22:15:06
Receipt Date: 20140508
Manifest ID: 013192289JJK
Trans EPA ID: CAR000175422
Trans Name: WORLDWIDE RECOVERY SYSTEMS INC
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDF EPA ID: NVT330010000
Trans Name: US ECOLOGY (BEATTY NV)
TSDF Alt EPA ID: Not reported
TSDF Alt Name: Not reported
Waste Code Description: 352 - Other organic solids
RCRA Code: Not reported
Meth Code: H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons: 0.5
Waste Quantity: 1000
Quantity Unit: P
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported

ACT COMPLIANCE DBA FLEETSERV (Continued) **S113883371**

Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20140421
Creation Date:	8/9/2014 22:15:29
Receipt Date:	20140424
Manifest ID:	012323262JJK
Trans EPA ID:	CAR000159681
Trans Name:	WESTERN ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD099452708
Trans Name:	INDUSTRIAL SERVICE OIL COMPANY INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	0.76
Waste Quantity:	200
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2016
Gen EPA ID:	CAL000387521
Shipment Date:	20151117
Creation Date:	5/4/2016 22:15:55
Receipt Date:	20151119
Manifest ID:	014563530JJK
Trans EPA ID:	CAR000175422
Trans Name:	WORLDWIDE RECOVERY SYSTEMS
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	AZR000515924
Trans Name:	YUMA YES INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.275
Waste Quantity:	550
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

ACT COMPLIANCE DBA FLEETSERV (Continued) **S113883371**

Shipment Date:	20150407
Creation Date:	9/22/2015 22:15:43
Receipt Date:	20150410
Manifest ID:	014325889JJK
Trans EPA ID:	CAR000175422
Trans Name:	WORLDWIDE RECOVERY SYSTEMS
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	AZR000515924
Trans Name:	YUMA YES INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.6
Waste Quantity:	1200
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2013
Gen EPA ID:	CAL000387521

Shipment Date:	20130723
Creation Date:	11/16/2013 22:15:17
Receipt Date:	20130726
Manifest ID:	011186849JJK
Trans EPA ID:	CAR000175422
Trans Name:	WORLDWIDE RECOVERY SYSTEMS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	NVT330010000
Trans Name:	US ECOLOGY (BEATTY NV)
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	0.85
Waste Quantity:	1700
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2015

ACT COMPLIANCE DBA FLEETSERV (Continued) **S113883371**

Gen EPA ID:	CAL000387521
Shipment Date:	20151117
Creation Date:	5/4/2016 22:15:55
Receipt Date:	20151119
Manifest ID:	014563530JJK
Trans EPA ID:	CAR000175422
Trans Name:	WORLDWIDE RECOVERY SYSTEMS
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	AZR000515924
Trans Name:	YUMA YES INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.275
Waste Quantity:	550
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20150407
Creation Date:	9/22/2015 22:15:43
Receipt Date:	20150410
Manifest ID:	014325889JJK
Trans EPA ID:	CAR000175422
Trans Name:	WORLDWIDE RECOVERY SYSTEMS
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	AZR000515924
Trans Name:	YUMA YES INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.6
Waste Quantity:	1200
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

San Bern. Co. Permit:

Name:	ACT COMPLIANCE DBA FLEETSERV
Address:	16516 WASHINGTON DR
City,State,Zip:	FONTANA, CA 92335
Region:	SAN BERNARDINO

ACT COMPLIANCE DBA FLEETSERV (Continued) **S113883371**

Facility ID: FA0015075
Owner: ACT Compliance DBA FleetServ
Permit Number: PT0026267
Permit Category: HAZARDOUS MATERIALS 1-3 CHEMICALS
Facility Status: ACTIVE
Expiration Date: 08/31/2022

Name: ACT COMPLIANCE DBA FLEETSERV
Address: 16516 WASHINGTON DR
City,State,Zip: FONTANA, CA 92335
Region: SAN BERNARDINO
Facility ID: FA0015075
Owner: ACT Compliance DBA FleetServ
Permit Number: PT0026268
Permit Category: CONDITIONALLY EXEMPT SM QTY GENERATOR
Facility Status: ACTIVE
Expiration Date: 08/31/2022

CERS:
Name: ACT COMPLIANCE DBA FLEETSERV
Address: 16516 WASHINGTON DR
City,State,Zip: FONTANA, CA 92335
Site ID: 2946
CERS ID: 10451869
CERS Description: Chemical Storage Facilities

Violations:
Site ID: 2946
Site Name: ACT Compliance DBA FleetServ
Violation Date: 05-10-2016
Citation: HSC 6.5 Multiple - California Health and Safety Code, Chapter 6.5, Section(s) Multiple
Violation Description: Haz Waste Generator Program - Administration/Documentation - General
Violation Notes: Returned to compliance on 06/30/2016. Failure to retain Hazardous Waste Manifests for at least 3 years (CCR 66262.40(a))
Violation Division: San Bernardino County Fire Department
Violation Program: HW
Violation Source: CERS,

Site ID: 2946
Site Name: ACT Compliance DBA FleetServ
Violation Date: 05-10-2016
Citation: HSC 6.5 Multiple Sections - California Health and Safety Code, Chapter 6.5, Section(s) Multiple Sections
Violation Description: Haz Waste Generator Program - Operations/Maintenance - General
Violation Notes: Returned to compliance on 06/30/2016. Failure to complete hazardous waste labels (CCR 66262.34(f)(3))
Violation Division: San Bernardino County Fire Department
Violation Program: HW
Violation Source: CERS,

Site ID: 2946
Site Name: ACT Compliance DBA FleetServ
Violation Date: 05-10-2016
Citation: HSC 6.5 Multiple Sections - California Health and Safety Code, Chapter 6.5, Section(s) Multiple Sections
Violation Description: Haz Waste Generator Program - Operations/Maintenance - General

ACT COMPLIANCE DBA FLEETSERV (Continued) **S113883371**

Violation Notes:	Returned to compliance on 06/30/2016. Failure to label hazardous waste containers (CCR 66262.34(f)(3))
Violation Division:	San Bernardino County Fire Department
Violation Program:	HW
Violation Source:	CERS,
Site ID:	2946
Site Name:	ACT Compliance DBA FleetServ
Violation Date:	09-20-2019
Citation:	HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description:	Failure to complete and electronically submit hazardous material inventory information for all reportable hazardous materials on site at or above reportable quantities.
Violation Notes:	Returned to compliance on 11/01/2019. OBSERVATION: Observed (1) 251 cubic ft. cylinder of compressed oxygen on site that is not reported on the hazardous materials inventory via CERS. CERS ID#10451869. CORRECTIVE ACTION: Update the hazardous materials inventory via CERS by adding (1) 251 cubic ft. cylinder of compressed oxygen. Submit the certificate of compliance completed to this Department after the hazardous materials inventory has been updated.
Violation Division:	San Bernardino County Fire Department
Violation Program:	HMRRP
Violation Source:	CERS,
Site ID:	2946
Site Name:	ACT Compliance DBA FleetServ
Violation Date:	05-10-2016
Citation:	HSC 6.95 25508.2 - California Health and Safety Code, Chapter 6.95, Section(s) 25508.2
Violation Description:	Failure to annually review and electronically certify that the business plan is complete, accurate, and up-to-date.
Violation Notes:	Returned to compliance on 09/13/2019.
Violation Division:	San Bernardino County Fire Department
Violation Program:	HMRRP
Violation Source:	CERS,
Site ID:	2946
Site Name:	ACT Compliance DBA FleetServ
Violation Date:	05-10-2016
Citation:	HSC 6.5 Multiple - California Health and Safety Code, Chapter 6.5, Section(s) Multiple
Violation Description:	Haz Waste Generator Program - Administration/Documentation - General
Violation Notes:	Returned to compliance on 06/30/2016. Failure to transport hazardous waste under a Manifest (CCR 66262.20)
Violation Division:	San Bernardino County Fire Department
Violation Program:	HW
Violation Source:	CERS,
Site ID:	2946
Site Name:	ACT Compliance DBA FleetServ
Violation Date:	05-10-2016
Citation:	HSC 6.95 25508(d) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(d)
Violation Description:	Failure to complete and/or electronically submit a business plan when storing/handling a hazardous material at or above reportable quantities.

ACT COMPLIANCE DBA FLEETSERV (Continued) **S113883371**

Violation Notes: Returned to compliance on 09/13/2019.
Violation Division: San Bernardino County Fire Department
Violation Program: HMRRP
Violation Source: CERS,

Site ID: 2946
Site Name: ACT Compliance DBA FleetServ
Violation Date: 05-10-2016
Citation: HSC 6.5 Multiple Sections - California Health and Safety Code, Chapter 6.5, Section(s) Multiple Sections
Violation Description: Haz Waste Generator Program - Operations/Maintenance - General
Violation Notes: Returned to compliance on 06/30/2016. Failure to note accumulation start date on labels (CCR 66262.34(f)(2))
Violation Division: San Bernardino County Fire Department
Violation Program: HW
Violation Source: CERS,

Site ID: 2946
Site Name: ACT Compliance DBA FleetServ
Violation Date: 09-20-2019
Citation: HSC 6.95 25505(a)(4) - California Health and Safety Code, Chapter 6.95, Section(s) 25505(a)(4)
Violation Description: Failure to provide initial and annual training to all employees in safety procedures in the event of a release or threatened release of a hazardous material or failure to document and maintain training records for a minimum of three years.
Violation Notes: Returned to compliance on 10/17/2019. OBSERVATION: Documentation for hazardous materials and safety training for employees were not available for review. CORRECTIVE ACTION: Submit copies of the employee hazardous materials and safety training documentation to this Department along with the certificate of compliance completed.
Violation Division: San Bernardino County Fire Department
Violation Program: HMRRP
Violation Source: CERS,

Site ID: 2946
Site Name: ACT Compliance DBA FleetServ
Violation Date: 05-10-2016
Citation: HSC 6.5 Multiple Sections - California Health and Safety Code, Chapter 6.5, Section(s) Multiple Sections
Violation Description: Haz Waste Generator Program - Abandonment/Illegal Disposal/Unauthorized Treatment - General
Violation Notes: Returned to compliance on 06/30/2016. Failure to transport Hazardous Waste with a valid registration (CHSC 25163(a))
Violation Division: San Bernardino County Fire Department
Violation Program: HW
Violation Source: CERS,

Evaluation:
Eval General Type: Compliance Evaluation Inspection
Eval Date: 05-10-2016
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: HAZARDOUS MATERIALS INSPECTION FOR FLEET SERV
Eval Division: San Bernardino County Fire Department
Eval Program: HMRRP
Eval Source: CERS,

ACT COMPLIANCE DBA FLEETSERV (Continued) **S113883371**

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	05-10-2016
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	HAZARDOUS WASTE GENERATOR INSPECTION FOR FLEET SERV
Eval Division:	San Bernardino County Fire Department
Eval Program:	HW
Eval Source:	CERS,

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	08-30-2016
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	HAZARDOUS MATERIALS CLOSURE INSPECTION
Eval Division:	San Bernardino County Fire Department
Eval Program:	HMRRP
Eval Source:	CERS,

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	09-20-2019
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Not reported
Eval Division:	San Bernardino County Fire Department
Eval Program:	HW
Eval Source:	CERS,

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	08-30-2016
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	HAZARDOUS WASTE GENERATOR CLOSURE INSPECTION
Eval Division:	San Bernardino County Fire Department
Eval Program:	HW
Eval Source:	CERS,

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	09-20-2019
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Not reported
Eval Division:	San Bernardino County Fire Department
Eval Program:	HMRRP
Eval Source:	CERS,

Enforcement Action:

Site ID:	2946
Site Name:	ACT Compliance DBA FleetServ
Site Address:	16516 WASHINGTON DR
Site City:	FONTANA
Site Zip:	92335
Enf Action Date:	05-10-2016
Enf Action Type:	Notice of Violation (Unified Program)
Enf Action Description:	Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes:	Not reported
Enf Action Division:	San Bernardino County Fire Department
Enf Action Program:	HMRRP

ACT COMPLIANCE DBA FLEETSERV (Continued) **S113883371**

Enf Action Source: CERS,

Site ID: 2946
Site Name: ACT Compliance DBA FleetServ
Site Address: 16516 WASHINGTON DR
Site City: FONTANA
Site Zip: 92335
Enf Action Date: 05-10-2016
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: San Bernardino County Fire Department
Enf Action Program: HW
Enf Action Source: CERS,

Coordinates:
Site ID: 2946
Facility Name: ACT Compliance DBA FleetServ
Env Int Type Code: HWG
Program ID: 10451869
Coord Name: Not reported
Ref Point Type Desc: Center of a facility or station.,
Latitude: 34.068170
Longitude: -117.443700

Affiliation:
Affiliation Type Desc: Environmental Contact
Entity Name: Michael Schwartz
Entity Title: Not reported
Affiliation Address: PO Box 79108
Affiliation City: Corona
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 92877
Affiliation Phone: ,

Affiliation Type Desc: Facility Mailing Address
Entity Name: Mailing Address
Entity Title: Not reported
Affiliation Address: PO Box 79108
Affiliation City: Corona
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 92877
Affiliation Phone: ,

Affiliation Type Desc: Operator
Entity Name: ACT Compliance DBA FleetServ
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: (951) 226-3460,

ACT COMPLIANCE DBA FLEETSERV (Continued) **S113883371**

Affiliation Type Desc:	Parent Corporation
Entity Name:	ACT Compliance DBA FleetServ
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,

Affiliation Type Desc:	CUPA District
Entity Name:	San Bernardino County Fire
Entity Title:	Not reported
Affiliation Address:	620 South E Street
Affiliation City:	San Bernardino
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	92415-0153
Affiliation Phone:	(909) 386-8401,

Affiliation Type Desc:	Document Preparer
Entity Name:	Michelle Schwartz
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,

Affiliation Type Desc:	Legal Owner
Entity Name:	ACT Compliance DBA FleetServ
Entity Title:	Not reported
Affiliation Address:	PO Box 79108
Affiliation City:	Corona
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	92877
Affiliation Phone:	(951) 226-3460,

Affiliation Type Desc:	Identification Signer
Entity Name:	Michelle Schwartz
Entity Title:	Secretary
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,

Affiliation Type Desc:	Property Owner
Entity Name:	Michael Schwartz
Entity Title:	Not reported
Affiliation Address:	PO Box 79108
Affiliation City:	Corona
Affiliation State:	CA
Affiliation Country:	United States

ACT COMPLIANCE DBA FLEETSERV (Continued) **S113883371**

Affiliation Zip: 92877
Affiliation Phone: (909) 578-1272,

HWTS:
Name: ACT COMPLIANCE DBA FLEETSERV
Address: 16516 WASHINGTON DR
Address 2: Not reported
City,State,Zip: FONTANA, CA 92335
EPA ID: CAL000387521
Inactive Date: Not reported
Create Date: 07/18/2013
Last Act Date: Not reported
Mailing Name: Not reported
Mailing Address: PO BOX 79108
Mailing Address 2: Not reported
Mailing City,State,Zip: CORONA, CA 92877
Owner Name: ACT COMPLIANCE DBA FLEETSERV
Owner Address: 16516 WASHINGTON DR
Owner Address 2: Not reported
Owner City,State,Zip: FONTANA, CA 92335
Contact Name: MICHAEL SCHWARTZ
Contact Address: 725 S. LUGO AVENUE
Contact Address 2: Not reported
City,State,Zip: SAN BERNARDINO, CA 924080000
Facility Status: Active
Facility Type: PERMANENT
Category: STATE
Latitude: 34.067552
Longitude: -117.443917

NAICS:
EPA ID: CAL000387521
Create Date: 2013-07-18 09:09:36.180
NAICS Code: 541614
NAICS Description: Process, Physical Distribution, and Logistics Consulting Services
Issued EPA ID Date: 2013-07-18 09:09:36.17300
Inactive Date: Not reported
Facility Name: ACT COMPLIANCE DBA FLEETSERV
Facility Address: 16516 WASHINGTON DR
Facility Address 2: Not reported
Facility City: FONTANA
Facility County: Not reported
Facility State: CA
Facility Zip: 92335

D12 **ACT COMPLIANCE DBA FLEETSERV** **RCRA NonGen / NLR** **1024839481**
SW **16516 WASHINGTON DR** **CAL000387521**
< 1/8 **FONTANA, CA 92335**
0.088 mi.
466 ft. **Site 2 of 2 in cluster D**

Relative: RCRA NonGen / NLR:
Lower Date Form Received by Agency: 20130718
Actual: Handler Name: ACT COMPLIANCE DBA FLEETSERV
1107 ft. Handler Address: 16516 WASHINGTON DR
Handler City,State,Zip: FONTANA, CA 92335

ACT COMPLIANCE DBA FLEETSERV (Continued) **1024839481**

EPA ID:	CAL000387521
Contact Name:	MICHAEL SCHWARTZ
Contact Address:	725 S. LUGO AVENUE
Contact City,State,Zip:	SAN BERNARDINO, CA 92408-0000
Contact Telephone:	888-315-4228
Contact Fax:	888-315-3228
Contact Email:	MICHELLE@FLEETSERV.COM
Contact Title:	Not reported
EPA Region:	09
Land Type:	Not reported
Federal Waste Generator Description:	Not a generator, verified
Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Handler Activities
State District Owner:	Not reported
State District:	Not reported
Mailing Address:	PO BOX 79108
Mailing City,State,Zip:	CORONA, CA 92877
Owner Name:	ACT COMPLIANCE DBA FLEETSERV
Owner Type:	Other
Operator Name:	MICHAEL SCHWARTZ
Operator Type:	Other
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	Yes
Universal Waste Destination Facility:	Yes
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No

ACT COMPLIANCE DBA FLEETSERV (Continued) **1024839481**

TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20180906
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Operator
Owner/Operator Name:	MICHAEL SCHWARTZ
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	725 S. LUGO AVENUE
Owner/Operator City,State,Zip:	SAN BERNARDINO, CA 92408-0000
Owner/Operator Telephone:	888-315-4228
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Owner
Owner/Operator Name:	ACT COMPLIANCE DBA FLEETSERV
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	16516 WASHINGTON DR
Owner/Operator City,State,Zip:	FONTANA, CA 92335
Owner/Operator Telephone:	888-315-4228
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	20130718
Handler Name: ACT COMPLIANCE DBA FLEETSERV	
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No

ACT COMPLIANCE DBA FLEETSERV (Continued) **1024839481**

Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Code: 541614
NAICS Description: PROCESS, PHYSICAL DISTRIBUTION, AND LOGISTICS CONSULTING SERVICES

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

E13 **INTERNATIONAL RADIATOR** **CERS HAZ WASTE** **S110986933**
ENE **16770 VALLEY BLVD STE C** **HAZNET** **N/A**
< 1/8 **FONTANA, CA 92335** **San Bern. Co. Permit**
0.091 mi. **CERS**
481 ft. **Site 1 of 3 in cluster E** **HWTS**

Relative:
Higher

Actual:
1124 ft.

CERS HAZ WASTE:
Name: INTERNATIONAL RADIATOR
Address: 16770 VALLEY BLVD STE C
City,State,Zip: FONTANA, CA 92335
Site ID: 124582
CERS ID: 10311904
CERS Description: Hazardous Waste Generator

HAZNET:
Name: INTERNATIONAL RADIATOR SERVICE
Address: 16770 VALLEY BLVD
Address 2: Not reported
City,State,Zip: FONTANA, CA 923356635
Contact: RUBEN ROJAS
Telephone: 9094289977
Mailing Name: Not reported
Mailing Address: 16770 VALLEY BLVD

Year: 2016
Gepaid: CAL000358373
TSD EPA ID: NMD002208627
CA Waste Code: 341 - Organic liquids (nonsolvents) with halogens
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.241

San Bern. Co. Permit:
Name: INTERNATIONAL RADIATOR
Address: 16770 VALLEY BLVD STE C
City,State,Zip: FONTANA, CA 92335
Region: SAN BERNARDINO

INTERNATIONAL RADIATOR (Continued) **S110986933**

Facility ID: FA0013660
Owner: fabio bucio
Permit Number: PT0023974
Permit Category: HAZARDOUS MATERIALS 1-3 CHEMICALS
Facility Status: ACTIVE
Expiration Date: 12/31/2021

Name: INTERNATIONAL RADIATOR
Address: 16770 VALLEY BLVD STE C
City,State,Zip: FONTANA, CA 92335
Region: SAN BERNARDINO
Facility ID: FA0013660
Owner: fabio bucio
Permit Number: PT0023975
Permit Category: SMALL QUANTITY GENERATOR
Facility Status: ACTIVE
Expiration Date: 12/31/2021

CERS:
Name: INTERNATIONAL RADIATOR
Address: 16770 VALLEY BLVD STE C
City,State,Zip: FONTANA, CA 92335
Site ID: 124582
CERS ID: 10311904
CERS Description: Chemical Storage Facilities

Violations:
Site ID: 124582
Site Name: INTERNATIONAL RADIATOR
Violation Date: 11-12-2014
Citation: HSC 6.5 Multiple Sections - California Health and Safety Code, Chapter 6.5, Section(s) Multiple Sections
Violation Description: Haz Waste Generator Program - Operations/Maintenance - General
Violation Notes: Returned to compliance on 01/21/2015. Failure to establish a Contingency Plan (CCR 66265.51(a)) A business emergency contingency plan has not been established or submitted electronically using the CERS system.
Violation Division: San Bernardino County Fire Department
Violation Program: HW
Violation Source: CERS,

Site ID: 124582
Site Name: INTERNATIONAL RADIATOR
Violation Date: 09-23-2020
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description: Failure to annually review and electronically certify that the business plan is complete and accurate on or before the annual due date.
Violation Notes: OBSERVATION: The facility Hazardous Materials Business Plan was last certified via CERS on 1/21/2015. Your CERS ID number is 10311904. CORRECTIVE ACTION: Review and certify the facility business plan via CERS.
Violation Division: San Bernardino County Fire Department
Violation Program: HMRRP
Violation Source: CERS,

INTERNATIONAL RADIATOR (Continued) **S110986933**

Site ID:	124582
Site Name:	INTERNATIONAL RADIATOR
Violation Date:	09-23-2020
Citation:	HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description:	Failure to complete and electronically submit hazardous material inventory information for all reportable hazardous materials on site at or above reportable quantities.
Violation Notes:	OBSERVATION: Each hazardous material listed on the hazardous materials inventory us currently assigned a federal hazard category that is now obsolete. Also waste coolant is missing the state waste code within the chemical description. CORRECTIVE ACTION: Update the hazardous materials inventory by assigning federal hazard categories for each hazardous material from the list of categories and also provide a state waste code for waste coolant.
Violation Division:	San Bernardino County Fire Department
Violation Program:	HMRRP
Violation Source:	CERS,

Site ID:	124582
Site Name:	INTERNATIONAL RADIATOR
Violation Date:	11-30-2017
Citation:	HSC 6.5 Multiple - California Health and Safety Code, Chapter 6.5, Section(s) Multiple
Violation Description:	Hazardous Waste Generator Program - Operations/Maintenance - General
Violation Notes:	Failure to keep hazardous waste containers closed when not in active use (CCR 66265.173(a)) Used oil/water waste containers are not maintained in a sealed condition.
Violation Division:	San Bernardino County Fire Department
Violation Program:	HW
Violation Source:	CERS,

Site ID:	124582
Site Name:	INTERNATIONAL RADIATOR
Violation Date:	09-23-2020
Citation:	22 CCR 12 66262.12 - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.12
Violation Description:	Failure to obtain an Identification Number prior to treating, storing, disposing of, transporting or offering for transportation any hazardous waste.
Violation Notes:	OBSERVATION: EPA ID number CAL000403951 was inactive at the time of inspection. CORRECTIVE ACTION: Reactivate the facility EPA ID number by submitting form 1358 to DTSC. Submit the completed Certificate of Compliance (CofC) to this Divison indicating that the EPA ID number has been reactivated.
Violation Division:	San Bernardino County Fire Department
Violation Program:	HW
Violation Source:	CERS,

Site ID:	124582
Site Name:	INTERNATIONAL RADIATOR
Violation Date:	11-30-2017
Citation:	HSC 6.5 Multiple - California Health and Safety Code, Chapter 6.5, Section(s) Multiple
Violation Description:	Hazardous Waste Generator Program - Operations/Maintenance - General
Violation Notes:	Failure to note accumulation start date on labels (CCR 66262.34(f)(2)) Used oil/water waste containers lacked an accumulation start date.

INTERNATIONAL RADIATOR (Continued) **S110986933**

Violation Division:	San Bernardino County Fire Department
Violation Program:	HW
Violation Source:	CERS,
Site ID:	124582
Site Name:	INTERNATIONAL RADIATOR
Violation Date:	11-12-2014
Citation:	HSC 6.95 25508(d) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(d)
Violation Description:	Failure to complete and/or electronically submit a business plan when storing/handling a hazardous material at or above reportable quantities.
Violation Notes:	Returned to compliance on 01/21/2015. A business emergency contingency plan has not been established or submitted electronically using the CERS system.
Violation Division:	San Bernardino County Fire Department
Violation Program:	HMRRP
Violation Source:	CERS,
Site ID:	124582
Site Name:	INTERNATIONAL RADIATOR
Violation Date:	11-30-2017
Citation:	HSC 6.5 Multiple - California Health and Safety Code, Chapter 6.5, Section(s) Multiple
Violation Description:	Hazardous Waste Generator Program - Operations/Maintenance - General
Violation Notes:	Failure to manage used oil lawfully (CHSC 25250.4) Maintain records of used oil/water waste disposal; no records of this waste disposal were available for examination. Submit the signed Certificate of Compliance statement as a proof of compliance document.
Violation Division:	San Bernardino County Fire Department
Violation Program:	HW
Violation Source:	CERS,
Site ID:	124582
Site Name:	INTERNATIONAL RADIATOR
Violation Date:	11-30-2017
Citation:	HSC 6.5 Multiple - California Health and Safety Code, Chapter 6.5, Section(s) Multiple
Violation Description:	Hazardous Waste Generator Program - Operations/Maintenance - General
Violation Notes:	Failure to label hazardous waste containers (CCR 66262.34(f)(3)) Failure to label three 5-gallon containers of used oil/water waste.
Violation Division:	San Bernardino County Fire Department
Violation Program:	HW
Violation Source:	CERS,
Site ID:	124582
Site Name:	INTERNATIONAL RADIATOR
Violation Date:	11-30-2017
Citation:	HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description:	Failure to complete and electronically submit hazardous material inventory information for all reportable hazardous materials on site at or above reportable quantities.
Violation Notes:	Failure to disclose used oil storage on the facility Business plan inventory.
Violation Division:	San Bernardino County Fire Department
Violation Program:	HMRRP

INTERNATIONAL RADIATOR (Continued) **S110986933**

Violation Source:	CERS,
Site ID:	124582
Site Name:	INTERNATIONAL RADIATOR
Violation Date:	11-30-2017
Citation:	HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description:	Failure to annually review and electronically certify that the business plan is complete and accurate on or before the annual due date.
Violation Notes:	Failure to annually update the facility Business Plan (BP); the "BP" was last updated in 2015.
Violation Division:	San Bernardino County Fire Department
Violation Program:	HMRRP
Violation Source:	CERS,
Site ID:	124582
Site Name:	INTERNATIONAL RADIATOR
Violation Date:	11-12-2014
Citation:	HSC 6.95 25507 - California Health and Safety Code, Chapter 6.95, Section(s) 25507
Violation Description:	Failure to adequately establish and implement a business plan when storing/handling a hazardous material at or above reportable quantities.
Violation Notes:	Returned to compliance on 01/21/2015. A business emergency contingency plan has not been established or submitted electronically using the CERS system.
Violation Division:	San Bernardino County Fire Department
Violation Program:	HMRRP
Violation Source:	CERS,
Site ID:	124582
Site Name:	INTERNATIONAL RADIATOR
Violation Date:	11-12-2014
Citation:	HSC 6.5 Multiple - California Health and Safety Code, Chapter 6.5, Section(s) Multiple
Violation Description:	Haz Waste Generator Program - Administration/Documentation - General
Violation Notes:	Returned to compliance on 01/21/2015. Failure to obtain an EPA ID Number (CCR 66262.12(a)) Since the change in ownership occurred in July a new EPA ID has not been obtained. Using the provided forms obtain a new EPA ID from the DTSC. Submit a copy of this number to this agency.
Violation Division:	San Bernardino County Fire Department
Violation Program:	HW
Violation Source:	CERS,
Site ID:	124582
Site Name:	INTERNATIONAL RADIATOR
Violation Date:	11-30-2017
Citation:	HSC 6.5 Multiple - California Health and Safety Code, Chapter 6.5, Section(s) Multiple
Violation Description:	Hazardous Waste Generator Program - Administration/Documentation - General
Violation Notes:	Failure to obtain an EPA ID Number (CCR 66262.12(a)) Failure to maintain an active hazardous waste ID number.
Violation Division:	San Bernardino County Fire Department
Violation Program:	HW

INTERNATIONAL RADIATOR (Continued) **S110986933**

Violation Source: CERS,

Evaluation:

Eval General Type: Compliance Evaluation Inspection
Eval Date: 11-12-2014
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: International Radiator
Eval Division: San Bernardino County Fire Department
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 11-30-2017
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: San Bernardino County Fire Department
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 09-23-2020
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: San Bernardino County Fire Department
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 09-23-2020
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: San Bernardino County Fire Department
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 11-12-2014
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: International radiator inspection
Eval Division: San Bernardino County Fire Department
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 11-30-2017
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: San Bernardino County Fire Department
Eval Program: HW
Eval Source: CERS,

INTERNATIONAL RADIATOR (Continued) **S110986933**

Enforcement Action:

Site ID:	124582
Site Name:	INTERNATIONAL RADIATOR
Site Address:	16770 VALLEY BLVD STE C
Site City:	FONTANA
Site Zip:	92335
Enf Action Date:	11-12-2014
Enf Action Type:	Notice of Violation (Unified Program)
Enf Action Description:	Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes:	Not reported
Enf Action Division:	San Bernardino County Fire Department
Enf Action Program:	HMRRP
Enf Action Source:	CERS,

Site ID:	124582
Site Name:	INTERNATIONAL RADIATOR
Site Address:	16770 VALLEY BLVD STE C
Site City:	FONTANA
Site Zip:	92335
Enf Action Date:	11-12-2014
Enf Action Type:	Notice of Violation (Unified Program)
Enf Action Description:	Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes:	Not reported
Enf Action Division:	San Bernardino County Fire Department
Enf Action Program:	HW
Enf Action Source:	CERS,

Affiliation:

Affiliation Type Desc:	CUPA District
Entity Name:	San Bernardino County Fire
Entity Title:	Not reported
Affiliation Address:	620 South E Street
Affiliation City:	San Bernardino
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	92415-0153
Affiliation Phone:	(909) 386-8401,

Affiliation Type Desc:	Facility Mailing Address
Entity Name:	Mailing Address
Entity Title:	Not reported
Affiliation Address:	16770 VALLEY BLVD, STE C
Affiliation City:	FONTANA
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	92335
Affiliation Phone:	,

Affiliation Type Desc:	Identification Signer
Entity Name:	fabio
Entity Title:	owner
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported

INTERNATIONAL RADIATOR (Continued) **S110986933**

Affiliation Phone: ,

Affiliation Type Desc: Document Preparer
Entity Name: fabio bucio
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

Affiliation Type Desc: Operator
Entity Name: international radiator service
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: (909) 428-9977,

Affiliation Type Desc: Environmental Contact
Entity Name: SERGIO R ROJAS
Entity Title: Not reported
Affiliation Address: 16770 VALLEY
Affiliation City: FONTANA
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 92335
Affiliation Phone: ,

Affiliation Type Desc: Legal Owner
Entity Name: fabio bucio
Entity Title: Not reported
Affiliation Address: 16770 valley blvd
Affiliation City: fontana
Affiliation State: CA
Affiliation Country: United States
Affiliation Zip: 92335
Affiliation Phone: (909) 428-9977,

Affiliation Type Desc: Parent Corporation
Entity Name: INTERNATIONAL RADIATOR
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

HWTS:
Name: INTERNATIONAL RADIATOR SERVICE
Address: 16770 VALLEY BLVD
Address 2: Not reported

INTERNATIONAL RADIATOR (Continued) **S110986933**

City,State,Zip:	FONTANA, CA 92335
EPA ID:	CAL000358373
Inactive Date:	06/30/2012
Create Date:	11/02/2010
Last Act Date:	Not reported
Mailing Name:	Not reported
Mailing Address:	16770 VALLEY BLVD
Mailing Address 2:	Not reported
Mailing City,State,Zip:	FONTANA, CA 923356635
Owner Name:	MARIA DEL CARMEN MAGANELLES
Owner Address:	16770 VALLEY BLVD
Owner Address 2:	Not reported
Owner City,State,Zip:	FONTANA, CA 923356635
Contact Name:	RUBEN ROJAS
Contact Address:	16770 VALLEY BLVD
Contact Address 2:	Not reported
City,State,Zip:	FONTANA, CA 923356635
Facility Status:	Inactive
Facility Type:	PERMANENT
Category:	STATE
Latitude:	34.07088
Longitude:	-117.43858

NAICS:

EPA ID:	CAL000358373
Create Date:	2010-11-02 11:26:51.790
NAICS Code:	811111
NAICS Description:	General Automotive Repair
Issued EPA ID Date:	2010-11-02 11:26:51.77300
Inactive Date:	2012-06-30 00:00:00
Facility Name:	INTERNATIONAL RADIATOR SERVICE
Facility Address:	16770 VALLEY BLVD
Facility Address 2:	Not reported
Facility City:	FONTANA
Facility County:	Not reported
Facility State:	CA
Facility Zip:	923356635

14
West
< 1/8
0.094 mi.
497 ft.

REQUIP CORP **RCRA NonGen / NLR** **1024803091**
10209 CYPRESS AVE **CAL000250955**
FONTANA, CA 92335

Relative:
Lower

Actual:
1112 ft.

RCRA NonGen / NLR:

Date Form Received by Agency:		20020426
Handler Name:	REQUIP CORP	
Handler Address:		10209 CYPRESS AVE
Handler City,State,Zip:		FONTANA, CA 92335
EPA ID:		CAL000250955
Contact Name:		MICHAEL SCHWARTZ
Contact Address:		16516 WASHINGTON DR
Contact City,State,Zip:		FONTANA, CA 92335
Contact Telephone:		909-429-3232
Contact Fax:		909-429-3232
Contact Email:		MICHELLE@REQUIPCORP.COM
Contact Title:		Not reported

REQUIP CORP (Continued) **1024803091**

EPA Region:	09
Land Type:	Not reported
Federal Waste Generator Description:	Not a generator, verified
Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Handler Activities
State District Owner:	Not reported
State District:	Not reported
Mailing Address:	16516 WASHINGTON DR
Mailing City,State,Zip:	FONTANA, CA 92335-0000
Owner Name:	REQUIP CORP
Owner Type:	Other
Operator Name:	MICHAEL SCHWARTZ
Operator Type:	Other
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	Yes
Universal Waste Destination Facility:	Yes
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported

REQUIP CORP (Continued) **1024803091**

Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20180905
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Operator
Owner/Operator Name:	MICHAEL SCHWARTZ
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	16516 WASHINGTON DR
Owner/Operator City,State,Zip:	FONTANA, CA 92335
Owner/Operator Telephone:	909-429-3232
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Owner
Owner/Operator Name:	REQUIP CORP
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	16516 WASHINGTON DR
Owner/Operator City,State,Zip:	FONTANA, CA 92335-0000
Owner/Operator Telephone:	909-429-3232
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	20020426
Handler Name: REQUIP CORP	
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

List of NAICS Codes and Descriptions:

NAICS Code:	53249

REQUIP CORP (Continued) **1024803091**

NAICS Description: OTHER COMMERCIAL AND INDUSTRIAL MACHINERY AND EQUIPMENT RENTAL AND LEASING

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

E15 **SALLY BEAUTY SUPPLIES** **CERS HAZ WASTE** **S120765455**
ENE **16771 VALLEY BLVD** **HAZNET** **N/A**
< 1/8 **FONTANA, CA 92335** **San Bern. Co. Permit**
0.108 mi. **HWTS**
569 ft. **Site 2 of 3 in cluster E**

Relative:
Higher

Actual:
1122 ft.

CERS HAZ WASTE:
Name: SALLY BEAUTY SUPPLY #1791
Address: 16771 VALLEY BLVD
City,State,Zip: FONTANA, CA 92335
Site ID: 366276
CERS ID: 10664278
CERS Description: Hazardous Waste Generator

Violations:
Site ID: 366276
Site Name: SALLY BEAUTY SUPPLY #1791
Violation Date: 03-28-2018
Citation: 22 CCR 12 66262.34(f) - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.34(f)
Violation Description: Failure to properly label hazardous waste accumulation containers and portable tanks with the following requirements: "Hazardous Waste", name and address of the generator, physical and chemical characteristics of the Hazardous Waste, and starting accumulation date.
Violation Notes: Returned to compliance on 03/28/2018. Failure to properly label the container of toxic waste; this hazardous waste is being identified as universal waste. Correction was made during the inspection. CB
Violation Division: San Bernardino County Fire Department
Violation Program: HW
Violation Source: CERS,

Evaluation:
Eval General Type: Compliance Evaluation Inspection
Eval Date: 03-28-2018
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: San Bernardino County Fire Department
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 06-01-2021
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported

SALLY BEAUTY SUPPLIES (Continued) **S120765455**

Eval Division: San Bernardino County Fire Department
Eval Program: HW
Eval Source: CERS,

Coordinates:
Site ID: 366276
Facility Name: SALLY BEAUTY SUPPLY #1791
Env Int Type Code: HWG
Program ID: 10664278
Coord Name: Not reported
Ref Point Type Desc: Center of a facility or station.,
Latitude: 34.069960
Longitude: -117.438220

Affiliation:
Affiliation Type Desc: Operator
Entity Name: Sally Beauty Supply, LLC
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: (940) 898-7500,

Affiliation Type Desc: CUPA District
Entity Name: San Bernardino County Fire
Entity Title: Not reported
Affiliation Address: 620 South E Street
Affiliation City: San Bernardino
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 92415-0153
Affiliation Phone: (909) 386-8401,

Affiliation Type Desc: Document Preparer
Entity Name: John Koning, Agent for Sally Holdings LLC
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

Affiliation Type Desc: Facility Mailing Address
Entity Name: Mailing Address
Entity Title: Not reported
Affiliation Address: 3207 Grey Hawk Ct., Ste 200
Affiliation City: Carlsbad
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 92010-6664
Affiliation Phone: ,

Affiliation Type Desc: Parent Corporation

SALLY BEAUTY SUPPLIES (Continued) **S120765455**

Entity Name:	Sally Holdings LLC
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,
Affiliation Type Desc:	Environmental Contact
Entity Name:	DEBBIE MIDDLETON
Entity Title:	Not reported
Affiliation Address:	3001 Colorado Blvd
Affiliation City:	Denton
Affiliation State:	TX
Affiliation Country:	Not reported
Affiliation Zip:	76210
Affiliation Phone:	,
Affiliation Type Desc:	Identification Signer
Entity Name:	Eric Ensminger, Agent for Sally Holdings LLC
Entity Title:	Regulatory Compliance Specialist, Verisk 3E
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,
Affiliation Type Desc:	Legal Owner
Entity Name:	Sally Holdings LLC
Entity Title:	Not reported
Affiliation Address:	3001 Colorado Blvd
Affiliation City:	Denton
Affiliation State:	TX
Affiliation Country:	United States
Affiliation Zip:	76210
Affiliation Phone:	(940) 898-7500,

HAZNET:

Name:	SALLY BEAUTY SUPPLIES
Address:	16771 VALLEY BLVD
Address 2:	Not reported
City,State,Zip:	FONTANA, CA 083500000
Contact:	DAVID EPSTEIN
Telephone:	8566928100
Mailing Name:	Not reported
Mailing Address:	PO BOX 339
Year:	2018
Gepaid:	CAL000411721
TSD EPA ID:	MXC130619001
CA Waste Code:	331 - Off-specification, aged or surplus organics
Disposal Method:	H020 - Solvents Recovery
Tons:	0.03650

SALLY BEAUTY SUPPLIES (Continued) **S120765455**

Year:	2018
Gepaid:	CAL000411721
TSD EPA ID:	MXC130619001
CA Waste Code:	352 - Other organic solids
Disposal Method:	H050 - Energy Recovery At This Site--Use As Fuel(Includes On-Site Fuel Blending)
Tons:	0.07000
Year:	2018
Gepaid:	CAL000411721
TSD EPA ID:	MXC130619001
CA Waste Code:	561 - Detergent waste chemicals
Disposal Method:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Tons:	0.08000
Year:	2017
Gepaid:	CAL000411721
TSD EPA ID:	MXC130619001
CA Waste Code:	561 - Detergent waste chemicals
Disposal Method:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Tons:	0.1475
Year:	2017
Gepaid:	CAL000411721
TSD EPA ID:	MXC130619001
CA Waste Code:	352 - Other organic solids
Disposal Method:	H050 - Energy Recovery At This Site--Use As Fuel(Includes On-Site Fuel Blending)
Tons:	0.026
Year:	2017
Gepaid:	CAL000411721
TSD EPA ID:	MXC130619001
CA Waste Code:	331 - Off-specification, aged or surplus organics
Disposal Method:	H020 - Solvents Recovery
Tons:	0.0635
Year:	2016
Gepaid:	CAL000411721
TSD EPA ID:	MXC130619001
CA Waste Code:	551 - Laboratory waste chemicals
Disposal Method:	H050 - Energy Recovery At This Site--Use As Fuel(Includes On-Site Fuel Blending)
Tons:	0.006
Year:	2016
Gepaid:	CAL000411721
TSD EPA ID:	MXC130619001
CA Waste Code:	561 - Detergent waste chemicals
Disposal Method:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Tons:	0.0435
Year:	2016
Gepaid:	CAL000411721

SALLY BEAUTY SUPPLIES (Continued) **S120765455**

TSD EPA ID:	MXC130619001
CA Waste Code:	352 - Other organic solids
Disposal Method:	H050 - Energy Recovery At This Site--Use As Fuel(Includes On-Site Fuel Blending)
Tons:	0.0375
Year:	2016
Gepaid:	CAL000411721
TSD EPA ID:	MXC130619001
CA Waste Code:	331 - Off-specification, aged or surplus organics
Disposal Method:	H020 - Solvents Recovery
Tons:	0.076

Click this hyperlink while viewing on your computer to access
1 additional CA HAZNET: record(s) in the EDR Site Report.

Additional Info:

Year:	2017
Gen EPA ID:	CAL000411721
Shipment Date:	20171016
Creation Date:	7/11/2018 18:31:13
Receipt Date:	20171027
Manifest ID:	017798654JJK
Trans EPA ID:	CAD981377864
Trans Name:	IDR ENVIRONMENTAL SERVICES
Trans 2 EPA ID:	CAR000194217
Trans 2 Name:	TEMARRY RECYCLING INC
TSDF EPA ID:	MXC130619001
Trans Name:	RECICLADORA TEMARRY DE MEXICO SA DE CV
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	561 - Not reported
RCRA Code:	Not reported
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	0.045
Waste Quantity:	90
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20171016
Creation Date:	7/11/2018 18:31:13
Receipt Date:	20171027
Manifest ID:	017798654JJK
Trans EPA ID:	CAD981377864
Trans Name:	IDR ENVIRONMENTAL SERVICES
Trans 2 EPA ID:	CAR000194217
Trans 2 Name:	TEMARRY RECYCLING INC
TSDF EPA ID:	MXC130619001
Trans Name:	RECICLADORA TEMARRY DE MEXICO SA DE CV
TSDF Alt EPA ID:	Not reported

SALLY BEAUTY SUPPLIES (Continued) **S120765455**

TSDF Alt Name:	Not reported
Waste Code Description:	331 - Off-specification, aged, or surplus organics
RCRA Code:	F003
Meth Code:	H020 - Solvents Recovery
Quantity Tons:	0.0075
Waste Quantity:	15
Quantity Unit:	P
Additional Code 1:	D035
Additional Code 2:	D001
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20171016
Creation Date:	7/11/2018 18:31:13
Receipt Date:	20171027
Manifest ID:	017798654JJK
Trans EPA ID:	CAD981377864
Trans Name:	IDR ENVIRONMENTAL SERVICES
Trans 2 EPA ID:	CAR000194217
Trans 2 Name:	TEMARRY RECYCLING INC
TSDF EPA ID:	MXC130619001
Trans Name:	RECICLADORA TEMARRY DE MEXICO SA DE CV
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	331 - Off-specification, aged, or surplus organics
RCRA Code:	D035
Meth Code:	H020 - Solvents Recovery
Quantity Tons:	0.005
Waste Quantity:	10
Quantity Unit:	P
Additional Code 1:	D001
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20171016
Creation Date:	7/11/2018 18:31:13
Receipt Date:	20171027
Manifest ID:	017798654JJK
Trans EPA ID:	CAD981377864
Trans Name:	IDR ENVIRONMENTAL SERVICES
Trans 2 EPA ID:	CAR000194217
Trans 2 Name:	TEMARRY RECYCLING INC
TSDF EPA ID:	MXC130619001
Trans Name:	RECICLADORA TEMARRY DE MEXICO SA DE CV
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	H050 - Energy Recovery At This Site--Use As Fuel(Includes On-Site Fuel Blending)
Quantity Tons:	0.005
Waste Quantity:	10
Quantity Unit:	P
Additional Code 1:	Not reported

SALLY BEAUTY SUPPLIES (Continued) **S120765455**

Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20170724
Creation Date:	7/6/2018 18:30:51
Receipt Date:	20170803
Manifest ID:	017126729JJK
Trans EPA ID:	CAD981377864
Trans Name:	IDR ENVIRONMENTAL SERVICES
Trans 2 EPA ID:	CAR000194217
Trans 2 Name:	TEMARRY RECYCLING INC
TSDF EPA ID:	MXC130619001
Trans Name:	RECICLADORA TEMARRY DE MEXICO SA DE CV
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	331 - Off-specification, aged, or surplus organics
RCRA Code:	D035
Meth Code:	H020 - Solvents Recovery
Quantity Tons:	0.0075
Waste Quantity:	15
Quantity Unit:	P
Additional Code 1:	D001
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20170724
Creation Date:	7/6/2018 18:30:51
Receipt Date:	20170803
Manifest ID:	017126729JJK
Trans EPA ID:	CAD981377864
Trans Name:	IDR ENVIRONMENTAL SERVICES
Trans 2 EPA ID:	CAR000194217
Trans 2 Name:	TEMARRY RECYCLING INC
TSDF EPA ID:	MXC130619001
Trans Name:	RECICLADORA TEMARRY DE MEXICO SA DE CV
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	331 - Off-specification, aged, or surplus organics
RCRA Code:	F003
Meth Code:	H020 - Solvents Recovery
Quantity Tons:	0.007
Waste Quantity:	14
Quantity Unit:	P
Additional Code 1:	D035
Additional Code 2:	D001
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20170724
Creation Date:	7/6/2018 18:30:51
Receipt Date:	20170803
Manifest ID:	017126729JJK

SALLY BEAUTY SUPPLIES (Continued) **S120765455**

Trans EPA ID:	CAD981377864
Trans Name:	IDR ENVIRONMENTAL SERVICES
Trans 2 EPA ID:	CAR000194217
Trans 2 Name:	TEMARRY RECYCLING INC
TSDF EPA ID:	MXC130619001
Trans Name:	RECICLADORA TEMARRY DE MEXICO SA DE CV
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	561 - Not reported
RCRA Code:	Not reported
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	0.045
Waste Quantity:	90
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20170724
Creation Date:	7/6/2018 18:30:51
Receipt Date:	20170803
Manifest ID:	017126729JJK
Trans EPA ID:	CAD981377864
Trans Name:	IDR ENVIRONMENTAL SERVICES
Trans 2 EPA ID:	CAR000194217
Trans 2 Name:	TEMARRY RECYCLING INC
TSDF EPA ID:	MXC130619001
Trans Name:	RECICLADORA TEMARRY DE MEXICO SA DE CV
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	H050 - Energy Recovery At This Site--Use As Fuel(Includes On-Site Fuel Blending)
Quantity Tons:	0.0075
Waste Quantity:	15
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20170406
Creation Date:	5/11/2018 18:34:48
Receipt Date:	20170419
Manifest ID:	017119237JJK
Trans EPA ID:	CAD981377864
Trans Name:	IDR ENVIRONMENTAL SERVICES
Trans 2 EPA ID:	CAR000194217
Trans 2 Name:	TEMARRY RECYCLING INC
TSDF EPA ID:	MXC130619001
Trans Name:	RECICLADORA TEMARRY DE MEXICO SA DE CV
TSDF Alt EPA ID:	Not reported

SALLY BEAUTY SUPPLIES (Continued) **S120765455**

TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	H050 - Energy Recovery At This Site--Use As Fuel(Includes On-Site Fuel Blending)
Quantity Tons:	0.0075
Waste Quantity:	15
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20170406
Creation Date:	5/11/2018 18:34:48
Receipt Date:	20170419
Manifest ID:	017119237JJK
Trans EPA ID:	CAD981377864
Trans Name:	IDR ENVIRONMENTAL SERVICES
Trans 2 EPA ID:	CAR000194217
Trans 2 Name:	TEMARRY RECYCLING INC
TSDF EPA ID:	MXC130619001
Trans Name:	RECICLADORA TEMARRY DE MEXICO SA DE CV
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	561 - Not reported
RCRA Code:	Not reported
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	0.04
Waste Quantity:	80
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

San Bern. Co. Permit:

Name:	SALLY BEAUTY SUPPLY
Address:	16771 VALLEY BLVD
City,State,Zip:	FONTANA, CA 92335
Region:	SAN BERNARDINO
Facility ID:	FA0017284
Owner:	SALLY HOLDINGS LLC
Permit Number:	PT0036788
Permit Category:	CONDITIONALLY EXEMPT SM QTY GENERATOR SPECIAL
Facility Status:	ACTIVE
Expiration Date:	02/28/2022

Name:	SALLY BEAUTY SUPPLY
Address:	16771 VALLEY BLVD
City,State,Zip:	FONTANA, CA 92335
Region:	SAN BERNARDINO
Facility ID:	FA0017284
Owner:	SALLY HOLDINGS LLC

SALLY BEAUTY SUPPLIES (Continued) **S120765455**

Permit Number: PT0038193
Permit Category: HAZMAT HANDLER GENERAL ACT.(NB)
Facility Status: FEE EXEMPT
Expiration Date: 02/28/2018

HWTS:

Name:	SALLY BEAUTY SUPPLY #1791
Address:	16771 VALLEY BLVD
Address 2:	Not reported
City,State,Zip:	FONTANA, CA 92335
EPA ID:	CAL000411721
Inactive Date:	Not reported
Create Date:	10/28/2015
Last Act Date:	Not reported
Mailing Name:	Not reported
Mailing Address:	3207 GREY HAWK CT, SUITE 200
Mailing Address 2:	Not reported
Mailing City,State,Zip:	CARLSBAD, CA 92010
Owner Name:	SALLY HOLDINGS LLC
Owner Address:	3001 COLORADO BLVD
Owner Address 2:	Not reported
Owner City,State,Zip:	DENTON, TX 76210
Contact Name:	DEBBIE MIDDLETON
Contact Address:	3001 COLORADO BLVD
Contact Address 2:	Not reported
City,State,Zip:	DENTON, TX 762100000
Facility Status:	Active
Facility Type:	PERMANENT
Category:	STATE
Latitude:	34.069959
Longitude:	-117.4382235

NAICS:

EPA ID:	CAL000411721
Create Date:	2015-10-28 14:01:43.247
NAICS Code:	44612
NAICS Description:	Cosmetics, Beauty Supplies, and Perfume Stores
Issued EPA ID Date:	2015-10-28 14:01:43.21300
Inactive Date:	Not reported
Facility Name:	SALLY BEAUTY SUPPLY #1791
Facility Address:	16771 VALLEY BLVD
Facility Address 2:	Not reported
Facility City:	FONTANA
Facility County:	Not reported
Facility State:	CA
Facility Zip:	92335

E16 **SALLY BEAUTY SUPPLIES #1791** **RCRA NonGen / NLR** **1024852510**
ENE **16771 VALLEY BLVD** **CAL000411721**
< 1/8 **FONTANA, CA 92335**
0.108 mi.
569 ft. **Site 3 of 3 in cluster E**

Relative: **Higher**

Actual: **1122 ft.**

RCRA NonGen / NLR:

Date Form Received by Agency:	20200727
Handler Name:	SALLY BEAUTY SUPPLIES #1791
Handler Address:	16771 VALLEY BLVD
Handler City,State,Zip:	FONTANA, CA 92335
EPA ID:	CAL000411721
Contact Name:	DEBBIE MIDDLETON
Contact Address:	3001 COLORADO BLVD
Contact City,State,Zip:	DENTON, TX 76210
Contact Telephone:	940-297-4964
Contact Fax:	Not reported
Contact Email:	DMIDDLETON@SALLYBEAUTY.COM
Contact Title:	Not reported
EPA Region:	09
Land Type:	Not reported
Federal Waste Generator Description:	Not a generator, verified
Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Not reported
State District Owner:	Not reported
State District:	Not reported
Mailing Address:	GREY HAWK CT STE 200
Mailing City,State,Zip:	CARLSBAD, CA 92010
Owner Name:	Not reported
Owner Type:	Not reported
Operator Name:	SALLY BEAUTY HOLDING LLC
Operator Type:	Other
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported

SALLY BEAUTY SUPPLIES #1791 (Continued) **1024852510**

Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20200805
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Operator
Owner/Operator Name:	SALLY HOLDINGS LLC
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	3001 COLORADO BLVD
Owner/Operator City,State,Zip:	DENTON, TX 76210
Owner/Operator Telephone:	940-898-7500
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator
Owner/Operator Name:	SALLY BEAUTY HOLDING LLC
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	3001 COLORADO BLVD
Owner/Operator City,State,Zip:	DENTON, TX 76210
Owner/Operator Telephone:	940-898-7500
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

SALLY BEAUTY SUPPLIES #1791 (Continued) **1024852510**

Owner/Operator Indicator:	Operator
Owner/Operator Name:	RANDY GOSS
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	3001 COLORADO BLVD
Owner/Operator City,State,Zip:	DENTON, TX 76210
Owner/Operator Telephone:	940-898-7500
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Owner
Owner/Operator Name:	SALLY BEAUTY HOLDING LLC
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	3001 COLORADO BLVD
Owner/Operator City,State,Zip:	DENTON, TX 76210
Owner/Operator Telephone:	940-898-7500
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	20151028
Handler Name: SALLY BEAUTY SUPPLIES	
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	No
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

Receive Date:	20200727
Handler Name: SALLY BEAUTY SUPPLIES #1791	
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	No
Electronic Manifest Broker:	No

Receive Date:	20210610
Handler Name: SALLY BEAUTY SUPPLY #1791	
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No

SALLY BEAUTY SUPPLIES #1791 (Continued) **1024852510**

Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	No
Non Storage Recycler Activity:	No
Electronic Manifest Broker:	No

List of NAICS Codes and Descriptions:

NAICS Code:	44612
NAICS Description:	COSMETICS, BEAUTY SUPPLIES, AND PERFUME STORES

Facility Has Received Notices of Violations:

Violations:	No Violations Found

Evaluation Action Summary:

Evaluations:	No Evaluations Found

F17
East
1/8-1/4
0.138 mi.
729 ft.

BURLINGTON STORE #1261 **RCRA NonGen / NLR** **1026826866**
16795 VALLEY BLVD **CAL000461820**
FONTANA, CA 92335

Site 1 of 3 in cluster F

Relative:
Higher

Actual:
1117 ft.

RCRA NonGen / NLR:

Date Form Received by Agency:		20210413
Handler Name:	BURLINGTON STORE #1261	
Handler Address:		16795 VALLEY BLVD
Handler City,State,Zip:		FONTANA, CA 92335
EPA ID:		CAL000461820
Contact Name:		ASHLEY CAMPBELL
Contact Address:		9950 CHEMICAL RD
Contact City,State,Zip:		PASADENA, TX 77507
Contact Telephone:		281-842-0809
Contact Fax:		Not reported
Contact Email:		ACAMPBELL@HARSCO.COM
Contact Title:		Not reported
EPA Region:		09
Land Type:		Not reported
Federal Waste Generator Description:		Not a generator, verified
Non-Notifier:		Not reported
Biennial Report Cycle:		Not reported
Accessibility:		Not reported
Active Site Indicator:		Not reported
State District Owner:		Not reported
State District:		Not reported
Mailing Address:		9950 CHEMICAL RD
Mailing City,State,Zip:		PASADENA, TX 77507
Owner Name:		BURLINGTON STORES INC
Owner Type:		Other
Operator Name:		ASHLEY CAMPBELL
Operator Type:		Other
Short-Term Generator Activity:		No
Importer Activity:		No
Mixed Waste Generator:		No
Transporter Activity:		No

BURLINGTON STORE #1261 (Continued) **1026826866**

Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20210415
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Operator
Owner/Operator Name:	ASHLEY CAMPBELL
Legal Status:	Other

BURLINGTON STORE #1261 (Continued) **1026826866**

Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	9950 CHEMICAL RD
Owner/Operator City,State,Zip:	PASADENA, TX 77507
Owner/Operator Telephone:	281-842-0809
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Owner
Owner/Operator Name:	BURLINGTON STORES INC
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	1830 ROUTE 130 N
Owner/Operator City,State,Zip:	BURLINGTON, NJ 08016
Owner/Operator Telephone:	619-387-7800
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	20210413
Handler Name: BURLINGTON STORE #1261	
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	No
Electronic Manifest Broker:	No

List of NAICS Codes and Descriptions:

NAICS Code:	448140
NAICS Description:	FAMILY CLOTHING STORES

Facility Has Received Notices of Violations:

Violations:	No Violations Found

Evaluation Action Summary:

Evaluations:	No Evaluations Found

F18 **BURLINGTON STORE #1261** **San Bern. Co. Permit** **S127127083**
East **16795 VALLEY BLVD** **HWTS** **N/A**
1/8-1/4 **FONTANA, CA 92335**
0.138 mi.
729 ft. **Site 2 of 3 in cluster F**

Relative:
Higher

Actual:
1117 ft.

San Bern. Co. Permit:

Name:	BURLINGTON STORE #1261
Address:	16795 VALLEY BLVD
City,State,Zip:	FONTANA, CA 92335
Region:	SAN BERNARDINO
Facility ID:	FA0019191
Owner:	Burlington Stores
Permit Number:	PT0041290
Permit Category:	CONDITIONALLY EXEMPT SM QTY GENERATOR SPECIAL
Facility Status:	ACTIVE
Expiration Date:	08/31/2022

HWTS:

Name:	BURLINGTON STORE #1261
Address:	16795 VALLEY BLVD
Address 2:	Not reported
City,State,Zip:	FONTANA, CA 92335
EPA ID:	CAL000461820
Inactive Date:	Not reported
Create Date:	04/13/2021
Last Act Date:	Not reported
Mailing Name:	Not reported
Mailing Address:	9950 CHEMICAL RD
Mailing Address 2:	Not reported
Mailing City,State,Zip:	PASADENA, TX 77507
Owner Name:	BURLINGTON STORES INC
Owner Address:	1830 ROUTE 130 N
Owner Address 2:	Not reported
Owner City,State,Zip:	BURLINGTON, NJ 80163017
Contact Name:	MEGHAN FOGARTY
Contact Address:	1830 ROUTE 130 NORTH
Contact Address 2:	Not reported
City,State,Zip:	BURLINGTON, NJ 8016
Facility Status:	Active
Facility Type:	PERMANENT
Category:	STATE
Latitude:	34.06804199
Longitude:	-117.438016

NAICS:

EPA ID:	CAL000461820
Create Date:	2021-04-13 08:20:23.033
NAICS Code:	448140
NAICS Description:	Family Clothing Stores
Issued EPA ID Date:	2021-04-13 08:20:23.02000
Inactive Date:	Not reported
Facility Name:	BURLINGTON STORE #1261
Facility Address:	16795 VALLEY BLVD
Facility Address 2:	Not reported
Facility City:	FONTANA
Facility County:	Not reported
Facility State:	CA
Facility Zip:	92335

G19 **CIRCLE K 347** **HIST UST** **S112902935**
WNW **16485 VALLEY BOULEVARD** **HAZNET** **N/A**
1/8-1/4 **FONTANA, CA 92335** **HWTS**
0.146 mi.
772 ft. **Site 1 of 2 in cluster G**

Relative:
Higher

Actual:
1116 ft.

HIST UST:

Name:	CIRCLE K 347
Address:	16485 VALLEY BOULEVARD
City,State,Zip:	FONTANA, CA 92335
File Number:	00029C2F
URL:	http://geotracker.waterboards.ca.gov/ustpdfs/pdf/00029C2F.pdf
Region:	Not reported
Facility ID:	Not reported
Facility Type:	Not reported
Other Type:	Not reported
Contact Name:	Not reported
Telephone:	Not reported
Owner Name:	Not reported
Owner Address:	Not reported
Owner City,St,Zip:	Not reported
Total Tanks:	Not reported
Tank Num:	Not reported
Container Num:	Not reported
Year Installed:	Not reported
Tank Capacity:	Not reported
Tank Used for:	Not reported
Type of Fuel:	Not reported
Container Construction Thickness:	Not reported
Leak Detection:	Not reported

Click here for Geo Tracker PDF:

HAZNET:

Name:	BEDIA ERDLE
Address:	16485 VALLEY BLVD
Address 2:	Not reported
City,State,Zip:	FONTANA, CA 923350000
Contact:	BEIA ERDLE
Telephone:	3104766915
Mailing Name:	Not reported
Mailing Address:	874 STRADELLA RD
Year:	2000
Gepaid:	CAC002197017
TSD EPA ID:	CAD099452708
CA Waste Code:	222 - Oil/water separation sludge
Disposal Method:	R01 - Recycler
Tons:	0.834

Additional Info:

Year:	2000
Gen EPA ID:	CAC002197017
Shipment Date:	20000626
Creation Date:	8/14/2000 0:00:00

CIRCLE K 347 (Continued) **S112902935**

Receipt Date:	20000706
Manifest ID:	99296319
Trans EPA ID:	CAR000018168
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD099452708
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD099452708
TSDF Alt Name:	Not reported
Waste Code Description:	222 - Oil/water separation sludge
RCRA Code:	Not reported
Meth Code:	R01 - Recycler
Quantity Tons:	0.834
Waste Quantity:	200
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

HWTS:

Name:	BEDIA ERDLE
Address:	16485 VALLEY BLVD
Address 2:	Not reported
City,State,Zip:	FONTANA, CA 92335
EPA ID:	CAC002197017
Inactive Date:	06/11/2001
Create Date:	06/23/2000
Last Act Date:	Not reported
Mailing Name:	Not reported
Mailing Address:	874 STRADELLA RD
Mailing Address 2:	Not reported
Mailing City,State,Zip:	LOS ANGELES, CA 900770000
Owner Name:	BEDIA ERDLE
Owner Address:	874 STRADELLA RD
Owner Address 2:	Not reported
Owner City,State,Zip:	LOS ANGELES, CA 900770000
Contact Name:	BEIA ERDLE
Contact Address:	874 STRADELLA RD
Contact Address 2:	Not reported
City,State,Zip:	LOS ANGELES, CA 900770000
Facility Status:	Inactive
Facility Type:	TEMPORARY
Category:	STATE
Latitude:	34.070301
Longitude:	-117.449178

G20
WNW
1/8-1/4
0.146 mi.
772 ft.

CIRCLE K STORE #347
16485 VALLEY BLVD
FONTANA, CA 92335

Site 2 of 2 in cluster G

SWEEPS UST **1000174076**
HIST UST **CAD981680671**
CA FID UST
RCRA NonGen / NLR
FINDS
ECHO

Relative:
Higher

Actual:
1116 ft.

SWEEPS UST:

Name:	CIRCLE K #347
Address:	16485 VALLEY BLVD
City:	FONTANA
Status:	Active
Comp Number:	13596
Number:	9
Board Of Equalization:	44-020473
Referral Date:	07-28-92
Action Date:	07-28-92
Created Date:	02-29-88
Owner Tank Id:	1
SWRCB Tank Id:	36-000-013596-000001
Tank Status:	A
Capacity:	9940
Active Date:	07-01-85
Tank Use:	M.V. FUEL
STG:	P
Content:	LEADED
Number Of Tanks:	2

Name:	CIRCLE K #347
Address:	16485 VALLEY BLVD
City:	FONTANA
Status:	Active
Comp Number:	13596
Number:	9
Board Of Equalization:	44-020473
Referral Date:	07-28-92
Action Date:	07-28-92
Created Date:	02-29-88
Owner Tank Id:	2
SWRCB Tank Id:	36-000-013596-000002
Tank Status:	A
Capacity:	9940
Active Date:	07-01-85
Tank Use:	M.V. FUEL
STG:	P
Content:	REG UNLEADED
Number Of Tanks:	Not reported

HIST UST:

Name:	CIRCLE K #347
Address:	16485 VALLEY BLVD
City,State,Zip:	FONTANA, CA 92335
File Number:	Not reported
URL:	Not reported
Region:	STATE
Facility ID:	00000013596
Facility Type:	Gas Station
Other Type:	Not reported
Contact Name:	KEN ZIMMERMAN

CIRCLE K STORE #347 (Continued) **1000174076**

Telephone: 7148239412
Owner Name: CIRCLE K CORPORATION
Owner Address: 4500 SOUTH 40TH STREET
Owner City,St,Zip: PHOENIX, AZ 85040
Total Tanks: 0002

Tank Num: 001
Container Num: 1
Year Installed: Not reported
Tank Capacity: 00009940
Tank Used for: PRODUCT
Type of Fuel: REGULAR
Container Construction Thickness: Not reported
Leak Detection: Stock Inventor

Tank Num: 002
Container Num: 2
Year Installed: Not reported
Tank Capacity: 00009940
Tank Used for: PRODUCT
Type of Fuel: UNLEADED
Container Construction Thickness: Not reported
Leak Detection: Stock Inventor

CA FID UST:
Facility ID: 36003046
Regulated By: UTNKA
Regulated ID: 00013596
Cortese Code: Not reported
SIC Code: Not reported
Facility Phone: 7148239412
Mail To: Not reported
Mailing Address: 16485 VALLEY BLVD
Mailing Address 2: Not reported
Mailing City,St,Zip: FONTANA 92335
Contact: Not reported
Contact Phone: Not reported
DUNs Number: Not reported
NPDES Number: Not reported
EPA ID: Not reported
Comments: Not reported
Status: Active

RCRA NonGen / NLR:
Date Form Received by Agency: 19930610
Handler Name: CIRCLE K STORE #347
Handler Address: 16485 VALLEY BLVD
Handler City,State,Zip: FONTANA, CA 92335
EPA ID: CAD981680671
Contact Name: ENVIRONMENTAL MANAGER
Contact Address: 16485 VALLEY BLVD
Contact City,State,Zip: FONTANA, CA 92335
Contact Telephone: 916-344-2445
Contact Fax: Not reported
Contact Email: Not reported
Contact Title: Not reported

CIRCLE K STORE #347 (Continued) **1000174076**

EPA Region:	09
Land Type:	Other
Federal Waste Generator Description:	Not a generator, verified
Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Not reported
State District Owner:	CA
State District:	4
Mailing Address:	5811 MANZANITA AVE
Mailing City,State,Zip:	CARMICHAEL, CA 95608
Owner Name:	CIRCLE K CORP
Owner Type:	Private
Operator Name:	NOT REQUIRED
Operator Type:	Private
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	NN
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported

CIRCLE K STORE #347 (Continued) **1000174076**

Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20020627
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	Not reported
Manifest Broker:	Not reported
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Operator
Owner/Operator Name:	NOT REQUIRED
Legal Status:	Private
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	NOT REQUIRED
Owner/Operator City,State,Zip:	NOT REQUIRED, ME 99999
Owner/Operator Telephone:	415-555-1212
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Owner
Owner/Operator Name:	CIRCLE K CORP
Legal Status:	Private
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	NOT REQUIRED
Owner/Operator City,State,Zip:	NOT REQUIRED, ME 99999
Owner/Operator Telephone:	415-555-1212
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	19930610
Handler Name: CIRCLE K STORE #347	
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	CA
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

List of NAICS Codes and Descriptions:

NAICS Codes:	No NAICS Codes Found

CIRCLE K STORE #347 (Continued) **1000174076**

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

FINDS:
Registry ID: 110002749474

Click Here:

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.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:

Envid:	1000174076
Registry ID:	110002749474
DFR URL:	http://echo.epa.gov/detailed-facility-report?fid=110002749474
Name:	CIRCLE K STORE #347
Address:	16485 VALLEY BLVD
City,State,Zip:	FONTANA, CA 92335

H21 **SIERRA ASSEMBLAGE ZONE 1 - PROPERTY 12** **RCRA NonGen / NLR** **1026469263**
South **16628 BOYLE AVENUE** **CAC003074721**
1/8-1/4 **FONTANA, CA 92337**
0.160 mi.
845 ft. **Site 1 of 2 in cluster H**

Relative:
Lower

Actual:
1096 ft.

RCRA NonGen / NLR:

Date Form Received by Agency:	20200714
Handler Name:	SIERRA ASSEMBLAGE ZONE 1 - PROPERTY 12
Handler Address:	16628 BOYLE AVENUE
Handler City,State,Zip:	FONTANA, CA 92337
EPA ID:	CAC003074721
Contact Name:	GUILLERMO ACCAME
Contact Address:	7887 EAST BELLEVIEW AVENUE
Contact City,State,Zip:	DENVER, CO 80111
Contact Telephone:	303-846-5885
Contact Fax:	Not reported
Contact Email:	WACCAME@PANATTONI.COM
Contact Title:	Not reported
EPA Region:	09
Land Type:	Not reported
Federal Waste Generator Description:	Not a generator, verified
Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Not reported

SIERRA ASSEMBLAGE ZONE 1 - PROPERTY 12 (Continued) **1026469263**

State District Owner:	Not reported
State District:	Not reported
Mailing Address:	7887 EAST BELLEVIEW AVENUE
Mailing City,State,Zip:	DENVER, CO 80111
Owner Name:	SIERRA AVENUE INDUSTRIAL, LLC
Owner Type:	Other
Operator Name:	GUILLERMO ACCAME
Operator Type:	Other
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20200814
Recognized Trader-Importer:	No

SIERRA ASSEMBLAGE ZONE 1 - PROPERTY 12 (Continued) **1026469263**

Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name:	SIERRA AVENUE INDUSTRIAL, LLC
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	7887 EAST BELLEVIEW AVENUE
Owner/Operator City,State,Zip:	DENVER, CO 80111
Owner/Operator Telephone:	303-846-5885
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator
Owner/Operator Name:	GUILLERMO ACCAME
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	7887 EAST BELLEVIEW AVENUE
Owner/Operator City,State,Zip:	DENVER, CO 80111
Owner/Operator Telephone:	303-846-5885
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	20200714
Handler Name:	SIERRA ASSEMBLAGE ZONE 1 - PROPERTY 12
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

List of NAICS Codes and Descriptions:

NAICS Code:	56299
NAICS Description:	ALL OTHER WASTE MANAGEMENT SERVICES

Facility Has Received Notices of Violations:

Violations:	No Violations Found

SIERRA ASSEMBLAGE ZONE 1 - PROPERTY 12 (Continued) **1026469263**

Evaluation Action Summary:
Evaluations: No Evaluations Found

F22 **LAST TENANT** **RCRA NonGen / NLR** **1027084992**
East **16805 VALLEY BLVD.** **CAC003157241**
1/8-1/4 **FONTANA, CA 92335**
0.169 mi.
894 ft. **Site 3 of 3 in cluster F**

Relative:
Higher

Actual:
1116 ft.

RCRA NonGen / NLR:

Date Form Received by Agency:		20220117
Handler Name:	LAST TENANT	
Handler Address:		16805 VALLEY BLVD.
Handler City,State,Zip:		FONTANA, CA 92335
EPA ID:		CAC003157241
Contact Name:		WES REEF
Contact Address:		5743 CORSA AVE.
Contact City,State,Zip:		WESTLAKE VILLAGE, CA 91362
Contact Telephone:		818-483-1606
Contact Fax:		Not reported
Contact Email:		WES@JGMANAGEMENT.COM
Contact Title:		Not reported
EPA Region:		09
Land Type:		Not reported
Federal Waste Generator Description:		Not a generator, verified
Non-Notifier:		Not reported
Biennial Report Cycle:		Not reported
Accessibility:		Not reported
Active Site Indicator:		Not reported
State District Owner:		Not reported
State District:		Not reported
Mailing Address:		5743 CORSA AVE.
Mailing City,State,Zip:		WESTLAKE VILLAGE, CA 91362
Owner Name:		THE BARALAT COMPANY
Owner Type:		Other
Operator Name:		WES REEF
Operator Type:		Other
Short-Term Generator Activity:		No
Importer Activity:		No
Mixed Waste Generator:		No
Transporter Activity:		No
Transfer Facility Activity:		No
Recycler Activity with Storage:		No
Small Quantity On-Site Burner Exemption:		No
Smelting Melting and Refining Furnace Exemption:		No
Underground Injection Control:		No
Off-Site Waste Receipt:		No
Universal Waste Indicator:		No
Universal Waste Destination Facility:		No
Federal Universal Waste:		No
Active Site Fed-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site Converter Treatment storage and Disposal Facility:		Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site State-Reg Handler:		---
Federal Facility Indicator:		Not reported
Hazardous Secondary Material Indicator:		N

LAST TENANT (Continued) **1027084992**

Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20220118
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name:	THE BARALAT COMPANY
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	5743 CORSA AVE.
Owner/Operator City,State,Zip:	WESTLAKE VILLAGE, CA 91362
Owner/Operator Telephone:	818-707-9494
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator
Owner/Operator Name:	WES REEF
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	5743 CORSA AVE.

LAST TENANT (Continued) **1027084992**

Owner/Operator City,State,Zip: WESTLAKE VILLAGE, CA 91362
Owner/Operator Telephone: 818-483-1606
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Historic Generators:
Receive Date: 20220117
Handler Name: LAST TENANT
Federal Waste Generator Description: Not a generator, verified
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: No
Electronic Manifest Broker: No

List of NAICS Codes and Descriptions:
NAICS Code: 327120
NAICS Description: CLAY BUILDING MATERIAL AND REFRACTORIES MANUFACTURING

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

I23 **SIERRA ASSEMBLAGE ZONE 1 - PROPERTY 6** **RCRA NonGen / NLR** **1026469260**
SSW **16550 BOYLE AVENUE** **CAC003074718**
1/8-1/4 **FONTANA, CA 92337**
0.170 mi.
897 ft. **Site 1 of 6 in cluster I**

Relative: **Lower**

Actual: **1095 ft.**

RCRA NonGen / NLR:
Date Form Received by Agency: 20200714
Handler Name: SIERRA ASSEMBLAGE ZONE 1 - PROPERTY 6
Handler Address: 16550 BOYLE AVENUE
Handler City,State,Zip: FONTANA, CA 92337
EPA ID: CAC003074718
Contact Name: GUILLERMO ACCAME
Contact Address: 7887 EAST BELLEVIEW AVENUE
Contact City,State,Zip: DENVER, CO 80111
Contact Telephone: 303-846-5885
Contact Fax: Not reported
Contact Email: WACCAME@PANATTONI.COM
Contact Title: Not reported
EPA Region: 09
Land Type: Not reported
Federal Waste Generator Description: Not a generator, verified
Non-Notifier: Not reported
Biennial Report Cycle: Not reported
Accessibility: Not reported

SIERRA ASSEMBLAGE ZONE 1 - PROPERTY 6 (Continued) **1026469260**

Active Site Indicator:	Not reported
State District Owner:	Not reported
State District:	Not reported
Mailing Address:	7887 EAST BELLEVIEW AVENUE
Mailing City,State,Zip:	DENVER, CO 80111
Owner Name:	SIERRA AVENUE INDUSTRIAL, LLC
Owner Type:	Other
Operator Name:	GUILLERMO ACCAME
Operator Type:	Other
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20200814

SIERRA ASSEMBLAGE ZONE 1 - PROPERTY 6 (Continued) **1026469260**

Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name:	SIERRA AVENUE INDUSTRIAL, LLC
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	7887 EAST BELLEVIEW AVENUE
Owner/Operator City,State,Zip:	DENVER, CO 80111
Owner/Operator Telephone:	303-846-5855
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator
Owner/Operator Name:	GUILLERMO ACCAME
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	7887 EAST BELLEVIEW AVENUE
Owner/Operator City,State,Zip:	DENVER, CO 80111
Owner/Operator Telephone:	303-846-5885
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	20200714
Handler Name:	SIERRA ASSEMBLAGE ZONE 1 - PROPERTY 6
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

List of NAICS Codes and Descriptions:

NAICS Code:	56299
NAICS Description:	ALL OTHER WASTE MANAGEMENT SERVICES

Facility Has Received Notices of Violations:

Violations:	No Violations Found

SIERRA ASSEMBLAGE ZONE 1 - PROPERTY 6 (Continued) **1026469260**

Evaluation Action Summary:
Evaluations: No Evaluations Found

I24 **BOYLE AND JUNIPER BLDG 6** **RCRA NonGen / NLR** **1026466447**
SSW **16550 BOYLE AVE** **CAC003071732**
1/8-1/4 **FONTANA, CA 92337**
0.170 mi.
897 ft. **Site 2 of 6 in cluster I**

Relative:
Lower

Actual:
1095 ft.

RCRA NonGen / NLR:

Date Form Received by Agency:	20200619
Handler Name:	BOYLE AND JUNIPER BLDG 6
Handler Address:	16550 BOYLE AVE
Handler City,State,Zip:	FONTANA, CA 92337
EPA ID:	CAC003071732
Contact Name:	LUKE RUTHERFORD
Contact Address:	2442 DUPONT DRIVE
Contact City,State,Zip:	IRVINE, CA 91766
Contact Telephone:	949-296-2917
Contact Fax:	Not reported
Contact Email:	CGARCIA@AMERICAN-INTEGRATED.COM
Contact Title:	Not reported
EPA Region:	09
Land Type:	Not reported
Federal Waste Generator Description:	Not a generator, verified
Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Not reported
State District Owner:	Not reported
State District:	Not reported
Mailing Address:	2442 DUPONT DRIVE
Mailing City,State,Zip:	IRVINE, CA 91766
Owner Name:	SIERRA AVENUE INDUSTRIAL, LLC, A DE
Owner Type:	Other
Operator Name:	LUKE RUTHERFORD
Operator Type:	Other
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N

BOYLE AND JUNIPER BLDG 6 (Continued) **1026466447**

Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20200710
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name:	SIERRA AVENUE INDUSTRIAL, LLC, A DE
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	2442 DUPONT DRIVE
Owner/Operator City,State,Zip:	IRVINE, CA 91766
Owner/Operator Telephone:	949-296-2917
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator
Owner/Operator Name:	LUKE RUTHERFORD
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	2442 DUPONT DRIVE

BOYLE AND JUNIPER BLDG 6 (Continued) **1026466447**

Owner/Operator City,State,Zip: IRVINE, CA 91766
Owner/Operator Telephone: 949-296-2917
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Historic Generators:
Receive Date: 20200619
Handler Name: BOYLE AND JUNIPER BLDG 6
Federal Waste Generator Description: Not a generator, verified
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Code: 56299
NAICS Description: ALL OTHER WASTE MANAGEMENT SERVICES

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

25
NNW
1/8-1/4
0.173 mi.
914 ft.

EDGAR ROBLES
16554 IRIS DR
FONTANA, CA 92335

RCRA NonGen / NLR **1026466243**
CAC003071519

Relative:
Higher

Actual:
1130 ft.

RCRA NonGen / NLR:
Date Form Received by Agency: 20200618
Handler Name: EDGAR ROBLES
Handler Address: 16554 IRIS DR
Handler City,State,Zip: FONTANA, CA 92335
EPA ID: CAC003071519
Contact Name: EDGAR ROBLES
Contact Address: 16554 IRIS DR
Contact City,State,Zip: FONTANA, CA 92335
Contact Telephone: 626-392-2891
Contact Fax: Not reported
Contact Email: ANAB@PWSEI.COM
Contact Title: Not reported
EPA Region: 09
Land Type: Not reported
Federal Waste Generator Description: Not a generator, verified
Non-Notifier: Not reported
Biennial Report Cycle: Not reported
Accessibility: Not reported

EDGAR ROBLES (Continued) **1026466243**

Active Site Indicator:	Not reported
State District Owner:	Not reported
State District:	Not reported
Mailing Address:	16554 IRIS DR
Mailing City,State,Zip:	FONTANA, CA 92335
Owner Name:	EDGAR ROBLES
Owner Type:	Other
Operator Name:	EDGAR ROBLES
Operator Type:	Other
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20200710

EDGAR ROBLES (Continued) **1026466243**

Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Operator
Owner/Operator Name:	EDGAR ROBLES
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	16554 IRIS DR
Owner/Operator City,State,Zip:	FONTANA, CA 92335
Owner/Operator Telephone:	626-392-2891
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Owner
Owner/Operator Name:	EDGAR ROBLES
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	16554 IRIS DR
Owner/Operator City,State,Zip:	FONTANA, CA 92335
Owner/Operator Telephone:	626-392-2891
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	20200618
Handler Name: EDGAR ROBLES	
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

List of NAICS Codes and Descriptions:

NAICS Code:	56299
NAICS Description:	ALL OTHER WASTE MANAGEMENT SERVICES

Facility Has Received Notices of Violations:

Violations:	No Violations Found

EDGAR ROBLES (Continued) **1026466243**

Evaluation Action Summary:
Evaluations: No Evaluations Found

I26 **BOYLE AND JUNIPER BLDG** **RCRA NonGen / NLR** **1026466445**
SSW **16540 BOYLE AVE** **CAC003071730**
1/8-1/4 **FONTANA, CA 92337**
0.175 mi.
925 ft. **Site 3 of 6 in cluster I**

Relative: **Lower**

Actual: **1095 ft.**

RCRA NonGen / NLR:

Date Form Received by Agency:	20200619
Handler Name: BOYLE AND JUNIPER BLDG	
Handler Address:	16540 BOYLE AVE
Handler City,State,Zip:	FONTANA, CA 92337
EPA ID:	CAC003071730
Contact Name:	LUKE RUTHERFORD
Contact Address:	2442 DUPONT DRIVE
Contact City,State,Zip:	IRVINE, CA 91766
Contact Telephone:	949-296-2917
Contact Fax:	Not reported
Contact Email:	JADAMS@AMERICAN-INTEGRATED.COM
Contact Title:	Not reported
EPA Region:	09
Land Type:	Not reported
Federal Waste Generator Description:	Not a generator, verified
Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Not reported
State District Owner:	Not reported
State District:	Not reported
Mailing Address:	2442 DUPONT DRIVE
Mailing City,State,Zip:	IRVINE, CA 91766
Owner Name:	SIERRA AVENUE INDUSTRIAL, LLC, A DE
Owner Type:	Other
Operator Name:	LUKE RUTHERFORD
Operator Type:	Other
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N

BOYLE AND JUNIPER BLDG (Continued) **1026466445**

Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20200710
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Operator
Owner/Operator Name:	LUKE RUTHERFORD
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	2442 DUPONT DRIVE
Owner/Operator City,State,Zip:	IRVINE, CA 91766
Owner/Operator Telephone:	949-296-2917
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Owner
Owner/Operator Name:	SIERRA AVENUE INDUSTRIAL, LLC, A DE
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	2442 DUPONT DRIVE

BOYLE AND JUNIPER BLDG (Continued) **1026466445**

Owner/Operator City,State,Zip: IRVINE, CA 91766
Owner/Operator Telephone: 949-296-2917
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Historic Generators:
Receive Date: 20200619
Handler Name: BOYLE AND JUNIPER BLDG
Federal Waste Generator Description: Not a generator, verified
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Code: 56299
NAICS Description: ALL OTHER WASTE MANAGEMENT SERVICES

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

I27 **SIERRA ASSEMBLAGE ZONE 1 - PROPERTY 5** **RCRA NonGen / NLR** **1026469257**
SSW **16540 BOYLE AVENUE** **CAC003074715**
1/8-1/4 **FONTANA, CA 92337**
0.175 mi.
925 ft. **Site 4 of 6 in cluster I**

Relative:
Lower

Actual:
1095 ft.

RCRA NonGen / NLR:
Date Form Received by Agency: 20200714
Handler Name: SIERRA ASSEMBLAGE ZONE 1 - PROPERTY 5
Handler Address: 16540 BOYLE AVENUE
Handler City,State,Zip: FONTANA, CA 92337
EPA ID: CAC003074715
Contact Name: GUILLERMO ACCAME
Contact Address: 7887 EAST BELLEVIEW AVENUE
Contact City,State,Zip: DENVER, CO 80111
Contact Telephone: 303-846-5885
Contact Fax: Not reported
Contact Email: WACCAME@PANATTONI.COM
Contact Title: Not reported
EPA Region: 09
Land Type: Not reported
Federal Waste Generator Description: Not a generator, verified
Non-Notifier: Not reported
Biennial Report Cycle: Not reported
Accessibility: Not reported

SIERRA ASSEMBLAGE ZONE 1 - PROPERTY 5 (Continued) **1026469257**

Active Site Indicator:	Not reported
State District Owner:	Not reported
State District:	Not reported
Mailing Address:	7887 EAST BELLEVIEW AVENUE
Mailing City,State,Zip:	DENVER, CO 80111
Owner Name:	SIERRA AVENUE INDUSTRIAL, LLC
Owner Type:	Other
Operator Name:	GUILLERMO ACCAME
Operator Type:	Other
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20200814

SIERRA ASSEMBLAGE ZONE 1 - PROPERTY 5 (Continued) **1026469257**

Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Operator
Owner/Operator Name:	GUILLERMO ACCAME
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	7887 EAST BELLEVIEW AVENUE
Owner/Operator City,State,Zip:	DENVER, CO 80111
Owner/Operator Telephone:	303-846-5885
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Owner
Owner/Operator Name:	SIERRA AVENUE INDUSTRIAL, LLC
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	7887 EAST BELLEVIEW AVENUE
Owner/Operator City,State,Zip:	DENVER, CO 80111
Owner/Operator Telephone:	303-846-2885
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	20200714
Handler Name:	SIERRA ASSEMBLAGE ZONE 1 - PROPERTY 5
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

List of NAICS Codes and Descriptions:

NAICS Code:	56299
NAICS Description:	ALL OTHER WASTE MANAGEMENT SERVICES

Facility Has Received Notices of Violations:

Violations:	No Violations Found

SIERRA ASSEMBLAGE ZONE 1 - PROPERTY 5 (Continued) **1026469257**

Evaluation Action Summary:
Evaluations: No Evaluations Found

H28 **SIERRA ASSEMBLAGE ZONE 2 - PROPERTY 6** **RCRA NonGen / NLR** **1026480139**
SSW **16599 BOYLE AVENUE** **CAC003086088**
1/8-1/4 **FONTANA, CA 92337**
0.185 mi.
975 ft. **Site 2 of 2 in cluster H**

Relative: **Lower**

Actual: **1094 ft.**

RCRA NonGen / NLR:

Date Form Received by Agency:	20200929
Handler Name:	SIERRA ASSEMBLAGE ZONE 2 - PROPERTY 6
Handler Address:	16599 BOYLE AVENUE
Handler City,State,Zip:	FONTANA, CA 92337
EPA ID:	CAC003086088
Contact Name:	GUILLERMO ACCAME
Contact Address:	7887 EAST BELLEVIW AVENUE
Contact City,State,Zip:	DENVER, CO 80111
Contact Telephone:	303-846-5885
Contact Fax:	Not reported
Contact Email:	WACCAME@PANATTONI.COM
Contact Title:	Not reported
EPA Region:	09
Land Type:	Not reported
Federal Waste Generator Description:	Not a generator, verified
Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Not reported
State District Owner:	Not reported
State District:	Not reported
Mailing Address:	7887 EAST BELLEVIW AVENUE
Mailing City,State,Zip:	DENVER, CO 80111
Owner Name:	SIERRA AVENUE INDUSTRIAL, LLC
Owner Type:	Other
Operator Name:	GUILLERMO ACCAME
Operator Type:	Other
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N

SIERRA ASSEMBLAGE ZONE 2 - PROPERTY 6 (Continued) **1026480139**

Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20201008
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name:	SIERRA AVENUE INDUSTRIAL, LLC
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	7887 EAST BELLEVIW AVENUE
Owner/Operator City,State,Zip:	DENVER, CO 80111
Owner/Operator Telephone:	303-846-5855
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator
Owner/Operator Name:	GUILLERMO ACCAME
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	7887 EAST BELLEVIW AVENUE

SIERRA ASSEMBLAGE ZONE 2 - PROPERTY 6 (Continued) **1026480139**

Owner/Operator City,State,Zip: DENVER, CO 80111
Owner/Operator Telephone: 303-846-5885
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Historic Generators:
Receive Date: 20200929
Handler Name: SIERRA ASSEMBLAGE ZONE 2 - PROPERTY 6
Federal Waste Generator Description: Not a generator, verified
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Code: 56299
NAICS Description: ALL OTHER WASTE MANAGEMENT SERVICES

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

J29 **SHERWIN-WILLIAMS #8697** **RCRA NonGen / NLR** **1024835678**
ENE **16855 VALLEY BLVD STE F** **CAL000378077**
1/8-1/4 **FONTANA, CA 92335**
0.189 mi.
999 ft. **Site 1 of 14 in cluster J**

Relative:
Higher

Actual:
1123 ft.

RCRA NonGen / NLR:
Date Form Received by Agency: 20120911
Handler Name: SHERWIN-WILLIAMS #8697
Handler Address: 16855 VALLEY BLVD STE F
Handler City,State,Zip: FONTANA, CA 92335-6690
EPA ID: CAL000378077
Contact Name: CAROL F. DOE
Contact Address: 101 PROSPECT AVE NW
Contact City,State,Zip: CLEVELAND, OH 44115
Contact Telephone: 216-566-1710
Contact Fax: Not reported
Contact Email: CAROL.F.DOE@SHERWIN.COM
Contact Title: Not reported
EPA Region: 09
Land Type: Not reported
Federal Waste Generator Description: Not a generator, verified
Non-Notifier: Not reported
Biennial Report Cycle: Not reported
Accessibility: Not reported

SHERWIN-WILLIAMS #8697 (Continued) **1024835678**

Active Site Indicator:	Handler Activities
State District Owner:	Not reported
State District:	Not reported
Mailing Address:	101 W PROSPECT AVE
Mailing City,State,Zip:	CLEVELAND, OH 44115-1027
Owner Name:	THE SHERWIN WILLIAMS COMPANY
Owner Type:	Other
Operator Name:	CAROL F. DOE
Operator Type:	Other
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	Yes
Universal Waste Destination Facility:	Yes
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20180906

SHERWIN-WILLIAMS #8697 (Continued) **1024835678**

Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name:	THE SHERWIN WILLIAMS COMPANY
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	101 W PROSPECT AVE
Owner/Operator City,State,Zip:	CLEVELAND, OH 44115-1027
Owner/Operator Telephone:	216-566-1710
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator
Owner/Operator Name:	CAROL F. DOE
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	101 PROSPECT AVE NW
Owner/Operator City,State,Zip:	CLEVELAND, OH 44115
Owner/Operator Telephone:	216-566-1710
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	20120911
Handler Name: SHERWIN-WILLIAMS #8697	
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

List of NAICS Codes and Descriptions:

NAICS Code:	44419
NAICS Description:	OTHER BUILDING MATERIAL DEALERS

Facility Has Received Notices of Violations:

Violations:	No Violations Found

SHERWIN-WILLIAMS #8697 (Continued) **1024835678**

Evaluation Action Summary:
Evaluations: No Evaluations Found

J30 **CLASSIC CLEANERS** **DRYCLEANERS** **S104765268**
ENE **16855 VALLEY BLVD C** **San Bern. Co. Permit** **N/A**
1/8-1/4 **FONTANA, CA 92335**
0.189 mi.
999 ft. **Site 2 of 14 in cluster J**

Relative:
Higher

Actual:
1123 ft.

DRYCLEANERS:

Name:	CLASSIC CLEANERS
Address:	16855 VALLEY BLVD STE C
City,State,Zip:	FONTANA, CA 923356667
EPA Id:	CAL000350234
NAICS Code:	81232
NAICS Description:	Drycleaning and Laundry Services (except Coin-Operated)
SIC Code:	7211
SIC Description:	Power Laundries, Family and Commercial
Create Date:	02/22/2010
Facility Active:	No
Inactive Date:	06/30/2011
Facility Addr2:	Not reported
Owner Name:	SHAILOSH PATEL & BHASKAR MISTRY
Owner Address:	16855 VALLEY BLVD STE C
Owner Address 2:	Not reported
Owner Telephone:	9093970895
Contact Name:	BHASKAR MISTRY
Contact Address:	22338 BLUE LUPINE CIR
Contact Address 2:	Not reported
Contact Telephone:	9093970895
Contact Fax:	9093970895
Mailing Name:	Not reported
Mailing Address 1:	16855 VALLEY BLVD
Mailing Address 2:	Not reported
Mailing City:	FONTANA
Mailing State:	CA
Mailing Zip:	923350000
Owner Fax:	9093970895
Region Code:	4
Latitude:	34.07032
Longitude:	-117.436865

Name:	CLASSIC CLEANERS
Address:	16855 VALLEY BLVD SUITE C
City,State,Zip:	FONTANA, CA 923350000
EPA Id:	CAL000203115
NAICS Code:	81232
NAICS Description:	Drycleaning and Laundry Services (except Coin-Operated)
SIC Code:	7211
SIC Description:	Power Laundries, Family and Commercial
Create Date:	07/12/2001
Facility Active:	No
Inactive Date:	06/30/2002
Facility Addr2:	Not reported
Owner Name:	KEITH SCOTT
Owner Address:	16855 VALLEY BLVD SUITE C

CLASSIC CLEANERS (Continued) **S104765268**

Owner Address 2:	Not reported
Owner Telephone:	0
Contact Name:	TOM KOVOS
Contact Address:	16855 VALLEY BLVD SUITE C
Contact Address 2:	Not reported
Contact Telephone:	9193570895
Contact Fax:	Not reported
Mailing Name:	Not reported
Mailing Address 1:	16855 VALLEY BLVD SUITE C
Mailing Address 2:	Not reported
Mailing City:	FONTANA
Mailing State:	CA
Mailing Zip:	923350000
Owner Fax:	Not reported
Region Code:	4
Latitude:	34.07032
Longitude:	-117.436715

Name:	CLASSIC CLEANERS
Address:	16855 VALLEY BLVD STE C
City,State,Zip:	FONTANA, CA 923350000
EPA Id:	CAL000273073
NAICS Code:	81232
NAICS Description:	Drycleaning and Laundry Services (except Coin-Operated)
SIC Code:	7211
SIC Description:	Power Laundries, Family and Commercial
Create Date:	07/10/2003
Facility Active:	No
Inactive Date:	06/30/2010
Facility Addr2:	Not reported
Owner Name:	BOB ADAMS
Owner Address:	16855 VALLEY BLVD STE C
Owner Address 2:	Not reported
Owner Telephone:	9093570895
Contact Name:	BOB ADAMS/OWNER
Contact Address:	16855 VALLEY BLVD STE C
Contact Address 2:	Not reported
Contact Telephone:	9093570895
Contact Fax:	0
Mailing Name:	Not reported
Mailing Address 1:	16855 VALLEY BLVD STE C
Mailing Address 2:	Not reported
Mailing City:	FONTANA
Mailing State:	CA
Mailing Zip:	923350000
Owner Fax:	0
Region Code:	4
Latitude:	34.07026
Longitude:	-117.43683

San Bern. Co. Permit:

Name:	CLASSIC CLEANERS
Address:	16855 VALLEY BLVD C
City,State,Zip:	FONTANA, CA 92335
Region:	SAN BERNARDINO
Facility ID:	FA0002219
Owner:	PATEL, SHAILESH & MISTRY, B

CLASSIC CLEANERS (Continued) **S104765268**

Permit Number: PT0020236
Permit Category: SPECIAL GENERATOR
Facility Status: INACTIVE
Expiration Date: 05/31/2012

Name: CLASSIC CLEANERS
Address: 16855 VALLEY BLVD C
City,State,Zip: FONTANA, CA 92335
Region: SAN BERNARDINO
Facility ID: FA0002219
Owner: PATEL, SHAILESH & MISTRY, B
Permit Number: PT0005900
Permit Category: SPECIAL HANDLER
Facility Status: INACTIVE
Expiration Date: 05/31/2012

Name: CLASSIC CLEANERS
Address: 16855 VALLEY BLVD C
City,State,Zip: FONTANA, CA 92335
Region: SAN BERNARDINO
Facility ID: FA0002219
Owner: PATEL, SHAILESH & MISTRY, B
Permit Number: PT0005901
Permit Category: SPECIAL GENERATOR
Facility Status: INACTIVE
Expiration Date: 05/31/2009

J31 **INLAND EMPIRE DRY CLNRS INC/CLASSIC CLN** **DRYCLEANERS** **S121700173**
ENE **16855 VALLEY BLVD** **N/A**
1/8-1/4 **FONTANA, CA 92335**
0.189 mi.
999 ft. **Site 3 of 14 in cluster J**

Relative: DRYCLEAN SOUTH COAST:
Higher

Actual: Name: INLAND EMPIRE DRY CLNRS INC/CLASSIC CLN
1123 ft. Address: 16855 VALLEY BLVD
City,State,Zip: FONTANA, CA 92335
Facility ID: 89200
Application Number: 258984
Permit Number: D46295
Status: S
Representative Name: KEITH SCOTT
Representative Telephone: 951 3772181
Permit Status: INACTIVE
BCAT Number: 000234
BCAT Description: DRY CLEANING EQUIP PERCHLOROETHYLENE
CCAT Number: 52
CCAT Description: REFRIGERATED CONDENSER
UTM East: 459.36401367
UTM North: 3769.8439941
Application Date: 12/06/1991
PO Issue Date: 12/31/1991
NAICS Code: Not reported
SIC Code: 7216

Name: INLAND EMPIRE DRY CLNRS INC/CLASSIC CLN
Address: 16855 VALLEY BLVD
City,State,Zip: FONTANA, CA 92335

INLAND EMPIRE DRY CLNRS INC/CLASSIC CLN (Continued) **S121700173**

Facility ID:	89200
Application Number:	409046
Permit Number:	F57225
Status:	S
Representative Name:	KEITH SCOTT
Representative Telephone:	951 3772181
Permit Status:	INACTIVE
BCAT Number:	000233
BCAT Description:	DRY CLEANING EQUIP PETROLEUM SOLVENT
CCAT Number:	Not reported
CCAT Description:	Not reported
UTM East:	459.36401367
UTM North:	3769.8439941
Application Date:	11/21/2002
PO Issue Date:	12/19/2002
NAICS Code:	Not reported
SIC Code:	7216

J32 **CLASSIC CLEANERS** **DRYCLEANERS** **S121695260**
ENE **16855 VALLEY BLVD #C** **N/A**
1/8-1/4 **FONTANA, CA 92335**
0.189 mi.
999 ft. **Site 4 of 14 in cluster J**

Relative: **Higher**
Actual: **1123 ft.**

DRYCLEAN SOUTH COAST:

Name:	CLASSIC CLEANERS
Address:	16855 VALLEY BLVD #C
City,State,Zip:	FONTANA, CA 92335
Facility ID:	137060
Application Number:	417196
Permit Number:	F62952
Status:	S
Representative Name:	ROBERT ADAMS
Representative Telephone:	909 3570895
Permit Status:	INACTIVE
BCAT Number:	000233
BCAT Description:	DRY CLEANING EQUIP PETROLEUM SOLVENT
CCAT Number:	Not reported
CCAT Description:	Not reported
UTM East:	459.36401367
UTM North:	3769.8439941
Application Date:	06/27/2003
PO Issue Date:	08/27/2003
NAICS Code:	Not reported
SIC Code:	7216

J33 **INLAND EMPIRE CENTER** **RCRA-LQG** **1007989101**
ENE **16855 VALLEY BOULEVARD** **HAZNET** **CAR000160390**
1/8-1/4 **FONTANA, CA 92335** **HWTS**
0.189 mi.
999 ft. **Site 5 of 14 in cluster J**

Relative: **Higher**
Actual: **1123 ft.**

RCRA-LQG:

Date Form Received by Agency:		20050215
Handler Name:	INLAND EMPIRE CENTER	
Handler Address:		16855 VALLEY BOULEVARD

INLAND EMPIRE CENTER (Continued) **1007989101**

Handler City,State,Zip:	FONTANA, CA 92335
EPA ID:	CAR000160390
Contact Name:	LESLIE BEEN
Contact Address:	5743 CORSA AVE
Contact City,State,Zip:	WESTLAKE VILLAGE, CA 91362
Contact Telephone:	818-707-9494
Contact Fax:	Not reported
Contact Email:	Not reported
Contact Title:	Not reported
EPA Region:	09
Land Type:	Private
Federal Waste Generator Description:	Large Quantity Generator
Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Handler Activities
State District Owner:	Not reported
State District:	Not reported
Mailing Address:	5743 CORSA AVE
Mailing City,State,Zip:	WESTLAKE VILLAGE, CA 91362
Owner Name:	THE BARALAT CO
Owner Type:	Private
Operator Name:	CLASSIC CLEANERS
Operator Type:	Private
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	NN
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No

INLAND EMPIRE CENTER (Continued) **1007989101**

TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20050221
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	Not reported
Manifest Broker:	Not reported
Sub-Part P Indicator:	No

Hazardous Waste Summary:

Waste Code:	F002
Waste Description:	THE FOLLOWING SPENT HALOGENATED SOLVENTS: TETRACHLOROETHYLENE, METHYLENE CHLORIDE, TRICHLOROETHYLENE, 1,1,1-TRICHLOROETHANE, CHLOROBENZENE, 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE, ORTHO-DICHLOROBENZENE, TRICHLOROFLUOROMETHANE, AND 1,1,2, TRICHLOROETHANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Handler - Owner Operator:

Owner/Operator Indicator:	Operator
Owner/Operator Name:	CLASSIC CLEANERS
Legal Status:	Private
Date Became Current:	19920401
Date Ended Current:	Not reported
Owner/Operator Address:	Not reported
Owner/Operator City,State,Zip:	Not reported
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Owner
Owner/Operator Name:	THE BARALAT CO
Legal Status:	Private
Date Became Current:	19980501
Date Ended Current:	Not reported
Owner/Operator Address:	Not reported
Owner/Operator City,State,Zip:	Not reported

INLAND EMPIRE CENTER (Continued) **1007989101**

Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Historic Generators:
Receive Date: 20050215
Handler Name: INLAND EMPIRE CENTER
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Code: 81232
NAICS Description: DRYCLEANING AND LAUNDRY SERVICES (EXCEPT COIN-OPERATED)

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

HAZNET:
Name: INLAND EMPIRE CENTER
Address: 16855 VALLEY BOULEVARD
Address 2: Not reported
City,State,Zip: FONTANA, CA 923350000
Contact: LESLIE BEEN
Telephone: 8187079494
Mailing Name: Not reported
Mailing Address: 5743 CORSA AVE

Year: 2005
Gepaid: CAR000160390
TSD EPA ID: CAT000646117
CA Waste Code: 611 - Contaminated soil from site clean-up
Disposal Method: D99 - Disposal, Other
Tons: 0.49

Additional Info:
Year: 2005
Gen EPA ID: CAR000160390

Shipment Date: 20050310
Creation Date: 6/1/2005 18:31:04

INLAND EMPIRE CENTER (Continued) **1007989101**

Receipt Date:	20050314
Manifest ID:	22505892
Trans EPA ID:	CAD063547996
Trans Name:	PHILIP TRANSPORTATION & REMEDIATION
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000646117
Trans Name:	CHEMICAL WASTE MGT
TSDF Alt EPA ID:	CAT000646117
TSDF Alt Name:	Not reported
Waste Code Description:	611 - Contaminated soil from site clean-ups
RCRA Code:	F002
Meth Code:	D99 - Disposal, Other
Quantity Tons:	0.49
Waste Quantity:	980
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

HWTS:

Name:	INLAND EMPIRE CENTER
Address:	16855 VALLEY BOULEVARD
Address 2:	Not reported
City,State,Zip:	FONTANA, CA 92335
EPA ID:	CAR000160390
Inactive Date:	06/30/2005
Create Date:	04/14/2005
Last Act Date:	Not reported
Mailing Name:	Not reported
Mailing Address:	5743 CORSA AVE
Mailing Address 2:	Not reported
Mailing City,State,Zip:	WESTLAKE VILLAGE, CA 913620000
Owner Name:	INLAND EMPIRE CENTER
Owner Address:	5743 CORSA AVE
Owner Address 2:	Not reported
Owner City,State,Zip:	WESTLAKE VILLAGE, CA 913620000
Contact Name:	LESLIE BEEN
Contact Address:	5743 CORSA AVE
Contact Address 2:	Not reported
City,State,Zip:	WESTLAKE VILLAGE, CA 913620000
Facility Status:	Inactive
Facility Type:	TEMPORARY
Category:	FEDERAL
Latitude:	34.07032
Longitude:	-117.436865

J34 **CLASSIC CLEANERS** **DRYCLEANERS** **S121696456**
ENE **16855 VALLEY BLVD #C** **N/A**
1/8-1/4 **FONTANA, CA 92335**
0.189 mi.
999 ft. **Site 6 of 14 in cluster J**

Relative: **Higher**
Actual: **1123 ft.**

DRYCLEAN SOUTH COAST:

Name:	CLASSIC CLEANERS
Address:	16855 VALLEY BLVD #C
City,State,Zip:	FONTANA, CA 92335
Facility ID:	162327
Application Number:	504313
Permit Number:	G6670
Status:	A
Representative Name:	BHASKAR MISTRY
Representative Telephone:	909 8251033
Permit Status:	INACT_NR
BCAT Number:	000233
BCAT Description:	DRY CLEANING EQUIP PETROLEUM SOLVENT
CCAT Number:	Not reported
CCAT Description:	Not reported
UTM East:	459.70001221
UTM North:	3769.8400879
Application Date:	12/08/2009
PO Issue Date:	01/06/2010
NAICS Code:	812320
SIC Code:	7216

J35 **SHERWIN-WILLIAMS #8697** **CERS HAZ WASTE** **S118232722**
ENE **16855 VALLEY BLVD STE F** **HAZNET** **N/A**
1/8-1/4 **FONTANA, CA 92335** **San Bern. Co. Permit**
0.189 mi. **CERS**
999 ft. **Site 7 of 14 in cluster J** **HWTS**

Relative: **Higher**
Actual: **1123 ft.**

CERS HAZ WASTE:

Name:	SHERWIN-WILLIAMS #8697
Address:	16855 VALLEY BLVD STE F
City,State,Zip:	FONTANA, CA 92335
Site ID:	67383
CERS ID:	10426513
CERS Description:	Hazardous Waste Generator

HAZNET:

Name:	SHERWIN-WILLIAMS #8697
Address:	16855 VALLEY BLVD STE F
Address 2:	Not reported
City,State,Zip:	FONTANA, CA 928680000
Contact:	YENNY KHUU
Telephone:	7144747617
Mailing Name:	Not reported
Mailing Address:	2100 W. ORANGEWOOD AVE. STE100
Year:	2019
Gepaid:	CAL000378077
TSD EPA ID:	NVD980895338
CA Waste Code:	214 - Unspecified solvent mixture
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.03500

SHERWIN-WILLIAMS #8697 (Continued) **S118232722**

Year: 2019
Gepaid: CAL000378077
TSD EPA ID: CAD008364432
CA Waste Code: 291 - Latex waste
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.25600

Year: 2019
Gepaid: CAL000378077
TSD EPA ID: NVD980895338
CA Waste Code: 331 - Off-specification, aged or surplus organics
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.07900

Year: 2018
Gepaid: CAL000378077
TSD EPA ID: CAD008364432
CA Waste Code: 214 - Unspecified solvent mixture
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.04900

Year: 2018
Gepaid: CAL000378077
TSD EPA ID: CAD008364432
CA Waste Code: 291 - Latex waste
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.68550

Year: 2017
Gepaid: CAL000378077
TSD EPA ID: CAD008364432
CA Waste Code: 291 - Latex waste
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.824

Year: 2017
Gepaid: CAL000378077
TSD EPA ID: CAD008364432
CA Waste Code: 214 - Unspecified solvent mixture
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.1605

Year: 2016
Gepaid: CAL000378077
TSD EPA ID: CAD008364432
CA Waste Code: 291 - Latex waste
Disposal Method: H061 - Fuel Blending Prior To Energy Recovery At Another Site
Tons: 0.208

Year: 2016
Gepaid: CAL000378077

SHERWIN-WILLIAMS #8697 (Continued) **S118232722**

TSD EPA ID:	CAD008364432
CA Waste Code:	291 - Latex waste
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.3445
Year:	2016
Gepaid:	CAL000378077
TSD EPA ID:	CAD008364432
CA Waste Code:	214 - Unspecified solvent mixture
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.1335

Click this hyperlink while viewing on your computer to access
8 additional CA HAZNET: record(s) in the EDR Site Report.

Additional Info:

Year:	2015
Gen EPA ID:	CAL000378077
Shipment Date:	20150730
Creation Date:	10/1/2015 22:15:21
Receipt Date:	20150805
Manifest ID:	001080139PSC
Trans EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
Trans 2 EPA ID:	CAD983649880
Trans 2 Name:	PSC ENVIRONMENTAL SERVICES OF POMONA LP
TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	291 - Latex waste
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.1425
Waste Quantity:	285
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20150730
Creation Date:	10/1/2015 22:15:21
Receipt Date:	20150805
Manifest ID:	001080139PSC
Trans EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
Trans 2 EPA ID:	CAD983649880
Trans 2 Name:	PSC ENVIRONMENTAL SERVICES OF POMONA LP
TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC

SHERWIN-WILLIAMS #8697 (Continued) **S118232722**

TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	291 - Latex waste
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.05
Waste Quantity:	100
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20150730
Creation Date:	10/1/2015 22:15:21
Receipt Date:	20150805
Manifest ID:	001080139PSC
Trans EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
Trans 2 EPA ID:	CAD983649880
Trans 2 Name:	PSC ENVIRONMENTAL SERVICES OF POMONA LP
TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	214 - Unspecified solvent mixture
RCRA Code:	D001
Meth Code:	H061 - Fuel Blending Prior To Energy Recovery At Another Site
Quantity Tons:	0.1415
Waste Quantity:	283
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20150406
Creation Date:	6/26/2015 22:15:35
Receipt Date:	20150410
Manifest ID:	000991654PSC
Trans EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
Trans 2 EPA ID:	CAD983649880
Trans 2 Name:	PSC ENVIRONMENTAL SERVICES OF POMONA LP
TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	291 - Latex waste
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.09
Waste Quantity:	180

SHERWIN-WILLIAMS #8697 (Continued) **S118232722**

Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2017
Gen EPA ID:	CAL000378077
Shipment Date:	20171107
Creation Date:	5/30/2018 18:33:39
Receipt Date:	20171114
Manifest ID:	001696895PSC
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	CAR000217554
Trans 2 Name:	CRUZ CONTAINERS LOGISTICS INC
TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	291 - Latex waste
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.18
Waste Quantity:	360
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20171107
Creation Date:	5/30/2018 18:33:39
Receipt Date:	20171114
Manifest ID:	001696895PSC
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	CAR000217554
Trans 2 Name:	CRUZ CONTAINERS LOGISTICS INC
TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	214 - Unspecified solvent mixture
RCRA Code:	D001
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0495
Waste Quantity:	99
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported

SHERWIN-WILLIAMS #8697 (Continued) **S118232722**

Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20170907
Creation Date:	6/20/2018 18:31:06
Receipt Date:	20170913
Manifest ID:	001647394PSC
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	CAR000217000
Trans 2 Name:	LA CHIQUITA TRUCKING
TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	291 - Latex waste
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0645
Waste Quantity:	129
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20170619
Creation Date:	5/30/2018 18:33:04
Receipt Date:	20170622
Manifest ID:	001585103PSC
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	214 - Unspecified solvent mixture
RCRA Code:	D001
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0245
Waste Quantity:	49
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20170619
Creation Date:	5/30/2018 18:33:04
Receipt Date:	20170622

SHERWIN-WILLIAMS #8697 (Continued) **S118232722**

Manifest ID:	001585103PSC
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	291 - Latex waste
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.05
Waste Quantity:	100
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20170619
Creation Date:	5/30/2018 18:33:04
Receipt Date:	20170622
Manifest ID:	001585103PSC
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	291 - Latex waste
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0675
Waste Quantity:	135
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20170619
Creation Date:	5/30/2018 18:33:04
Receipt Date:	20170622
Manifest ID:	001585103PSC
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC

SHERWIN-WILLIAMS #8697 (Continued) **S118232722**

TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	291 - Latex waste
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.131
Waste Quantity:	262
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20170103
Creation Date:	3/17/2017 18:30:22
Receipt Date:	20170106
Manifest ID:	001452848PSC
Trans EPA ID:	CAD008364432
Trans Name:	RHO CHEM, LLC
Trans 2 EPA ID:	CAD983649880
Trans 2 Name:	PSC ENVIRONMENTAL SERVICES OF POMONA, LP
TSDF EPA ID:	CAD008364432
Trans Name:	RHO-CHEM, LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	291 - Latex waste
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.275
Waste Quantity:	550
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20170103
Creation Date:	3/17/2017 18:30:22
Receipt Date:	20170106
Manifest ID:	001452848PSC
Trans EPA ID:	CAD008364432
Trans Name:	RHO CHEM, LLC
Trans 2 EPA ID:	CAD983649880
Trans 2 Name:	PSC ENVIRONMENTAL SERVICES OF POMONA, LP
TSDF EPA ID:	CAD008364432
Trans Name:	RHO-CHEM, LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	214 - Unspecified solvent mixture
RCRA Code:	D001
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0865

SHERWIN-WILLIAMS #8697 (Continued) **S118232722**

Waste Quantity:	173
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20170103
Creation Date:	3/17/2017 18:30:22
Receipt Date:	20170106
Manifest ID:	001452848PSC
Trans EPA ID:	CAD008364432
Trans Name:	RHO CHEM, LLC
Trans 2 EPA ID:	CAD983649880
Trans 2 Name:	PSC ENVIRONMENTAL SERVICES OF POMONA, LP
TSDF EPA ID:	CAD008364432
Trans Name:	RHO-CHEM, LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	291 - Latex waste
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.056
Waste Quantity:	112
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2016
Gen EPA ID:	CAL000378077
Shipment Date:	20150730
Creation Date:	10/1/2015 22:15:21
Receipt Date:	20150805
Manifest ID:	001080139PSC
Trans EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
Trans 2 EPA ID:	CAD983649880
Trans 2 Name:	PSC ENVIRONMENTAL SERVICES OF POMONA LP
TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	291 - Latex waste
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.1425
Waste Quantity:	285
Quantity Unit:	P
Additional Code 1:	Not reported

SHERWIN-WILLIAMS #8697 (Continued) **S118232722**

Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20150730
Creation Date:	10/1/2015 22:15:21
Receipt Date:	20150805
Manifest ID:	001080139PSC
Trans EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
Trans 2 EPA ID:	CAD983649880
Trans 2 Name:	PSC ENVIRONMENTAL SERVICES OF POMONA LP
TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	291 - Latex waste
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.05
Waste Quantity:	100
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20150730
Creation Date:	10/1/2015 22:15:21
Receipt Date:	20150805
Manifest ID:	001080139PSC
Trans EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
Trans 2 EPA ID:	CAD983649880
Trans 2 Name:	PSC ENVIRONMENTAL SERVICES OF POMONA LP
TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	214 - Unspecified solvent mixture
RCRA Code:	D001
Meth Code:	H061 - Fuel Blending Prior To Energy Recovery At Another Site
Quantity Tons:	0.1415
Waste Quantity:	283
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20150406
Creation Date:	6/26/2015 22:15:35
Receipt Date:	20150410

SHERWIN-WILLIAMS #8697 (Continued) **S118232722**

Manifest ID:	000991654PSC
Trans EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
Trans 2 EPA ID:	CAD983649880
Trans 2 Name:	PSC ENVIRONMENTAL SERVICES OF POMONA LP
TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	291 - Latex waste
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.09
Waste Quantity:	180
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2014
Gen EPA ID:	CAL000378077
Shipment Date:	20141110
Creation Date:	12/30/2014 22:15:05
Receipt Date:	20141112
Manifest ID:	000884921PSC
Trans EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
Trans 2 EPA ID:	CAD983649880
Trans 2 Name:	PSC ENVIRONMENTAL SERVICES OF POMONA LP
TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	291 - Latex waste
RCRA Code:	Not reported
Meth Code:	H061 - Fuel Blending Prior To Energy Recovery At Another Site
Quantity Tons:	0.216
Waste Quantity:	432
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20141110
Creation Date:	12/30/2014 22:15:05
Receipt Date:	20141112
Manifest ID:	000884921PSC
Trans EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
Trans 2 EPA ID:	CAD983649880

SHERWIN-WILLIAMS #8697 (Continued) **S118232722**

Trans 2 Name:	PSC ENVIRONMENTAL SERVICES OF POMONA LP
TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	331 - Off-specification, aged, or surplus organics
RCRA Code:	D001
Meth Code:	H061 - Fuel Blending Prior To Energy Recovery At Another Site
Quantity Tons:	0.1085
Waste Quantity:	217
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20141110
Creation Date:	12/30/2014 22:15:05
Receipt Date:	20141112
Manifest ID:	000884921PSC
Trans EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
Trans 2 EPA ID:	CAD983649880
Trans 2 Name:	PSC ENVIRONMENTAL SERVICES OF POMONA LP
TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	- Not reported
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0605
Waste Quantity:	121
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20141110
Creation Date:	12/30/2014 22:15:05
Receipt Date:	20141112
Manifest ID:	000884921PSC
Trans EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
Trans 2 EPA ID:	CAD983649880
Trans 2 Name:	PSC ENVIRONMENTAL SERVICES OF POMONA LP
TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	331 - Off-specification, aged, or surplus organics
RCRA Code:	D035
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No

SHERWIN-WILLIAMS #8697 (Continued) **S118232722**

	Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0035
Waste Quantity:	7
Quantity Unit:	P
Additional Code 1:	D001
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20140313
Creation Date:	5/19/2014 22:14:53
Receipt Date:	20140325
Manifest ID:	000714245PSC
Trans EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
Trans 2 EPA ID:	CAD983649880
Trans 2 Name:	PSC ENVIRONMENTAL SERVICES OF POMONA LP
TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	214 - Unspecified solvent mixture
RCRA Code:	D001
Meth Code:	H061 - Fuel Blending Prior To Energy Recovery At Another Site
Quantity Tons:	0.109
Waste Quantity:	218
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20140313
Creation Date:	5/19/2014 22:14:53
Receipt Date:	20140325
Manifest ID:	000714245PSC
Trans EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
Trans 2 EPA ID:	CAD983649880
Trans 2 Name:	PSC ENVIRONMENTAL SERVICES OF POMONA LP
TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	141 - Off-specification, aged, or surplus inorganics
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.2135
Waste Quantity:	427
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported

SHERWIN-WILLIAMS #8697 (Continued) **S118232722**

Additional Code 5:	Not reported
Shipment Date:	20140313
Creation Date:	5/19/2014 22:14:53
Receipt Date:	20140325
Manifest ID:	000714245PSC
Trans EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
Trans 2 EPA ID:	CAD983649880
Trans 2 Name:	PSC ENVIRONMENTAL SERVICES OF POMONA LP
TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	141 - Off-specification, aged, or surplus inorganics
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.049
Waste Quantity:	98
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

San Bern. Co. Permit:

Name:	SHERWIN-WILLIAMS #8697
Address:	16855 VALLEY BLVD STE F
City,State,Zip:	FONTANA, CA 92335
Region:	SAN BERNARDINO
Facility ID:	FA0015058
Owner:	The Sherwin-Williams Co.
Permit Number:	PT0026250
Permit Category:	HAZARDOUS MATERIALS 1-3 CHEMICALS
Facility Status:	ACTIVE
Expiration Date:	08/31/2022

Name:	SHERWIN-WILLIAMS #8697
Address:	16855 VALLEY BLVD STE F
City,State,Zip:	FONTANA, CA 92335
Region:	SAN BERNARDINO
Facility ID:	FA0015058
Owner:	The Sherwin-Williams Co.
Permit Number:	PT0026251
Permit Category:	SMALL QUANTITY GENERATOR
Facility Status:	ACTIVE
Expiration Date:	08/31/2022

CERS:

Name:	SHERWIN-WILLIAMS #8697
Address:	16855 VALLEY BLVD STE F
City,State,Zip:	FONTANA, CA 92335
Site ID:	67383
CERS ID:	10426513

SHERWIN-WILLIAMS #8697 (Continued) **S118232722**

CERS Description: Chemical Storage Facilities

Violations:

Site ID: 67383
Site Name: Sherwin-Williams #8697
Violation Date: 08-29-2016
Citation: HSC 6.5 Multiple - California Health and Safety Code, Chapter 6.5, Section(s) Multiple
Violation Description: Hazardous Waste Generator Program - Operations/Maintenance - General
Violation Notes: Returned to compliance on 08/29/2016. Failure to note accumulation start date on labels (CCR 66262.34(f)(2)) THESE VIOLATIONS WERE CORRECTED DURING THE INSPECTION.
Violation Division: San Bernardino County Fire Department
Violation Program: HW
Violation Source: CERS,

Site ID: 67383
Site Name: Sherwin-Williams #8697
Violation Date: 08-29-2016
Citation: HSC 6.5 Multiple - California Health and Safety Code, Chapter 6.5, Section(s) Multiple
Violation Description: Hazardous Waste Generator Program - Operations/Maintenance - General
Violation Notes: Returned to compliance on 08/29/2016. Failure to label hazardous waste containers (CCR 66262.34(f)(3)) THESE VIOLATIONS WERE CORRECTED DURING THE INSPECTION.
Violation Division: San Bernardino County Fire Department
Violation Program: HW
Violation Source: CERS,

Site ID: 67383
Site Name: Sherwin-Williams #8697
Violation Date: 09-16-2019
Citation: 22 CCR 12 66262.40(a) - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.40(a)
Violation Description: Failure to keep a copy of each properly signed manifest for at least three years from the date the waste was accepted by the initial transporter. The manifest signed at the time the waste was accepted for transport shall be kept until receiving a signed copy from the designated facility which received the waste.
Violation Notes: Returned to compliance on 09/30/2019. OBSERVATION: At time of inspection, hazardous waste disposal documentation was not made available for review. CORRECTIVE ACTION: Submit 3 years worth of waste disposal records to this Division.
Violation Division: San Bernardino County Fire Department
Violation Program: HW
Violation Source: CERS,

Evaluation:

Eval General Type: Compliance Evaluation Inspection
Eval Date: 08-29-2016
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: REGULAR INSPECTION.
Eval Division: San Bernardino County Fire Department
Eval Program: HMRRP
Eval Source: CERS,

SHERWIN-WILLIAMS #8697 (Continued) **S118232722**

Eval General Type: Compliance Evaluation Inspection
Eval Date: 08-29-2016
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: REGULAR INSPECTION.
Eval Division: San Bernardino County Fire Department
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 09-16-2019
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: San Bernardino County Fire Department
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 09-16-2019
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: San Bernardino County Fire Department
Eval Program: HW
Eval Source: CERS,

Enforcement Action:
Site ID: 67383
Site Name: Sherwin-Williams #8697
Site Address: 16855 VALLEY BLVD STE F
Site City: FONTANA
Site Zip: 92335
Enf Action Date: 08-29-2016
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: San Bernardino County Fire Department
Enf Action Program: HW
Enf Action Source: CERS,

Affiliation:
Affiliation Type Desc: Operator
Entity Name: The Sherwin-Williams Co.
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: (216) 566-1710,

Affiliation Type Desc: Parent Corporation
Entity Name: Sherwin-Williams Company
Entity Title: Not reported
Affiliation Address: Not reported

SHERWIN-WILLIAMS #8697 (Continued) **S118232722**

Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,
Affiliation Type Desc:	Document Preparer
Entity Name:	Yenny Khuu
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,
Affiliation Type Desc:	Environmental Contact
Entity Name:	Yenny Khuu
Entity Title:	Not reported
Affiliation Address:	2100 W. Orangewood Ave Ste100
Affiliation City:	Orange
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	92868
Affiliation Phone:	,
Affiliation Type Desc:	Property Owner
Entity Name:	THE BARALAT COMPANY C/O J.G. MANAGEMENT COMPANY
Entity Title:	Not reported
Affiliation Address:	5743 CORSA AVENUE, SUITE 200
Affiliation City:	WESTLAKE VILLAGE
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	91362
Affiliation Phone:	(818) 707-9494,
Affiliation Type Desc:	CUPA District
Entity Name:	San Bernardino County Fire
Entity Title:	Not reported
Affiliation Address:	620 South E Street
Affiliation City:	San Bernardino
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	92415-0153
Affiliation Phone:	(909) 386-8401,
Affiliation Type Desc:	Legal Owner
Entity Name:	The Sherwin-Williams Co.
Entity Title:	Not reported
Affiliation Address:	101 Prospect Avenue NW, 1000 Midland Building
Affiliation City:	Cleveland
Affiliation State:	OH
Affiliation Country:	United States
Affiliation Zip:	44115
Affiliation Phone:	(216) 566-1710,
Affiliation Type Desc:	Facility Mailing Address

SHERWIN-WILLIAMS #8697 (Continued) **S118232722**

Entity Name:	Mailing Address
Entity Title:	Not reported
Affiliation Address:	16855 Valley Blvd Ste F
Affiliation City:	Fontana
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	92335
Affiliation Phone:	,
Affiliation Type Desc:	Identification Signer
Entity Name:	Yenny Khuu
Entity Title:	EHS Manager
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,

HWTS:

Name:	SHERWIN-WILLIAMS #8697
Address:	16855 VALLEY BLVD STE F
Address 2:	Not reported
City,State,Zip:	FONTANA, CA 92335
EPA ID:	CAL000378077
Inactive Date:	Not reported
Create Date:	09/11/2012
Last Act Date:	Not reported
Mailing Name:	Not reported
Mailing Address:	2100 W. ORANGEWOOD AVE. STE100
Mailing Address 2:	Not reported
Mailing City,State,Zip:	ORANGE, CA 928680000
Owner Name:	THE SHERWIN WILLIAMS COMPANY
Owner Address:	101 W PROSPECT AVE
Owner Address 2:	Not reported
Owner City,State,Zip:	CLEVELAND, OH 441151027
Contact Name:	YENNY KHUU
Contact Address:	2100 W. ORANGEWOOD AVE. STE100
Contact Address 2:	Not reported
City,State,Zip:	ORANGE, CA 92868
Facility Status:	Active
Facility Type:	PERMANENT
Category:	STATE
Latitude:	34.070237
Longitude:	-117.436711

NAICS:

EPA ID:	CAL000378077
Create Date:	2012-09-11 16:29:43.220
NAICS Code:	44419
NAICS Description:	Other Building Material Dealers
Issued EPA ID Date:	2012-09-11 16:29:43.22000
Inactive Date:	Not reported
Facility Name:	SHERWIN-WILLIAMS #8697
Facility Address:	16855 VALLEY BLVD STE F
Facility Address 2:	Not reported

SHERWIN-WILLIAMS #8697 (Continued) **S118232722**

Facility City:	FONTANA
Facility County:	Not reported
Facility State:	CA
Facility Zip:	923356690

I36 **SIERRA ASSEMBLAGE ZONE 2 PROPERTY 4** **RCRA NonGen / NLR** **1026483401**
SSW **16547 BOYLE AVENUE** **CAC003089471**
1/8-1/4 **FONTANA, CA 92337**
0.195 mi.
1027 ft. **Site 5 of 6 in cluster I**

Relative: **Lower**
Actual: **1093 ft.**

RCRA NonGen / NLR:

Date Form Received by Agency:	20201021
Handler Name:	SIERRA ASSEMBLAGE ZONE 2 PROPERTY 4
Handler Address:	16547 BOYLE AVENUE
Handler City,State,Zip:	FONTANA, CA 92337
EPA ID:	CAC003089471
Contact Name:	GUILLERMO ACCAME
Contact Address:	7887 EAST BELLEVIEW AVENUE
Contact City,State,Zip:	DENVER, CO 80111
Contact Telephone:	303-846-5885
Contact Fax:	Not reported
Contact Email:	WACCAME@PANATTONI.COM
Contact Title:	Not reported
EPA Region:	09
Land Type:	Not reported
Federal Waste Generator Description:	Not a generator, verified
Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Not reported
State District Owner:	Not reported
State District:	Not reported
Mailing Address:	7887 EAST BELLEVIEW AVENUE
Mailing City,State,Zip:	DENVER, CO 80111
Owner Name:	SIERRA AVENUE INDUSTRIAL, LLC
Owner Type:	Other
Operator Name:	GUILLERMO ACCAME
Operator Type:	Other
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported

SIERRA ASSEMBLAGE ZONE 2 PROPERTY 4 (Continued) **1026483401**

Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20201026
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Operator
Owner/Operator Name:	GUILLERMO ACCAME
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	7887 EAST BELLEVIEW AVENUE
Owner/Operator City,State,Zip:	DENVER, CO 80111
Owner/Operator Telephone:	303-846-5885
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Owner
Owner/Operator Name:	SIERRA AVENUE INDUSTRIAL, LLC
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported

SIERRA ASSEMBLAGE ZONE 2 PROPERTY 4 (Continued) **1026483401**

Owner/Operator Address: 7887 EAST BELLEVIEW AVENUE
Owner/Operator City,State,Zip: DENVER, CO 80111
Owner/Operator Telephone: 303-846-5885
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Historic Generators:
Receive Date: 20201021
Handler Name: SIERRA ASSEMBLAGE ZONE 2 PROPERTY 4
Federal Waste Generator Description: Not a generator, verified
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Code: 56299
NAICS Description: ALL OTHER WASTE MANAGEMENT SERVICES

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

K37 **SIERRA ASSEMBLAGE ZONE 2 - PROPERTY 10** **RCRA NonGen / NLR** **1026480142**
South **16663 BOYLE AVENUE** **CAC003086091**
1/8-1/4 **FONTANA, CA 92337**
0.196 mi.
1033 ft. **Site 1 of 2 in cluster K**

Relative:
Lower

Actual:
1094 ft.

RCRA NonGen / NLR:
Date Form Received by Agency: 20200929
Handler Name: SIERRA ASSEMBLAGE ZONE 2 - PROPERTY 10
Handler Address: 16663 BOYLE AVENUE
Handler City,State,Zip: FONTANA, CA 92337
EPA ID: CAC003086091
Contact Name: GUILLERMO ACCAME
Contact Address: 7887 EAST BELLEVIEW AVENUE
Contact City,State,Zip: DENVER, CO 80111
Contact Telephone: 303-846-5885
Contact Fax: Not reported
Contact Email: WACCAME@PANATTONI.COM
Contact Title: Not reported
EPA Region: 09
Land Type: Not reported
Federal Waste Generator Description: Not a generator, verified
Non-Notifier: Not reported
Biennial Report Cycle: Not reported

SIERRA ASSEMBLAGE ZONE 2 - PROPERTY 10 (Continued) **1026480142**

Accessibility:	Not reported
Active Site Indicator:	Not reported
State District Owner:	Not reported
State District:	Not reported
Mailing Address:	7887 EAST BELLEVIEW AVENUE
Mailing City,State,Zip:	DENVER, CO 80111
Owner Name:	SIERRA AVENUE INDUSTRIAL, LLC
Owner Type:	Other
Operator Name:	GUILLERMO ACCAME
Operator Type:	Other
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported

SIERRA ASSEMBLAGE ZONE 2 - PROPERTY 10 (Continued) **1026480142**

Handler Date of Last Change:	20201008
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name:	SIERRA AVENUE INDUSTRIAL, LLC
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	7887 EAST BELLEVIEW AVENUE
Owner/Operator City,State,Zip:	DENVER, CO 80111
Owner/Operator Telephone:	303-846-5885
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator
Owner/Operator Name:	GUILLERMO ACCAME
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	7887 EAST BELLEVIEW AVENUE
Owner/Operator City,State,Zip:	DENVER, CO 80111
Owner/Operator Telephone:	303-846-5885
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	20200929
Handler Name:	SIERRA ASSEMBLAGE ZONE 2 - PROPERTY 10
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

List of NAICS Codes and Descriptions:

NAICS Code:	56299
NAICS Description:	ALL OTHER WASTE MANAGEMENT SERVICES

Facility Has Received Notices of Violations:

Violations:	No Violations Found

SIERRA ASSEMBLAGE ZONE 2 - PROPERTY 10 (Continued) **1026480142**

Evaluation Action Summary:
Evaluations: No Evaluations Found

38
North
1/8-1/4
0.199 mi.
1052 ft.

JORGE HUIZAR
9944 PEPPER AVENUE
FONTANA, CA 92335

RCRA NonGen / NLR **1026709383**
CAC003097459

Relative:
Higher

Actual:
1133 ft.

RCRA NonGen / NLR:

Date Form Received by Agency:		20201216
Handler Name:	JORGE HUIZAR	
Handler Address:		9944 PEPPER AVENUE
Handler City,State,Zip:		FONTANA, CA 92335
EPA ID:		CAC003097459
Contact Name:		JORGE HUIZAR
Contact Address:		9944 PEPPER AVENUE
Contact City,State,Zip:		FONTANA, CA 92335
Contact Telephone:		951-204-4065
Contact Fax:		Not reported
Contact Email:		BREEVELASCO@ALLIANCE-ENVIRO.COM
Contact Title:		Not reported
EPA Region:		09
Land Type:		Not reported
Federal Waste Generator Description:		Not a generator, verified
Non-Notifier:		Not reported
Biennial Report Cycle:		Not reported
Accessibility:		Not reported
Active Site Indicator:		Not reported
State District Owner:		Not reported
State District:		Not reported
Mailing Address:		9944 PEPPER AVENUE
Mailing City,State,Zip:		FONTANA, CA 92335
Owner Name:		JORGE HUIZAR
Owner Type:		Other
Operator Name:		JORGE HUIZAR
Operator Type:		Other
Short-Term Generator Activity:		No
Importer Activity:		No
Mixed Waste Generator:		No
Transporter Activity:		No
Transfer Facility Activity:		No
Recycler Activity with Storage:		No
Small Quantity On-Site Burner Exemption:		No
Smelting Melting and Refining Furnace Exemption:		No
Underground Injection Control:		No
Off-Site Waste Receipt:		No
Universal Waste Indicator:		No
Universal Waste Destination Facility:		No
Federal Universal Waste:		No
Active Site Fed-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site Converter Treatment storage and Disposal Facility:		Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site State-Reg Handler:		---
Federal Facility Indicator:		Not reported
Hazardous Secondary Material Indicator:		N

JORGE HUIZAR (Continued) **1026709383**

Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20201218
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Operator
Owner/Operator Name:	JORGE HUIZAR
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	9944 PEPPER AVENUE
Owner/Operator City,State,Zip:	FONTANA, CA 92335
Owner/Operator Telephone:	951-204-4065
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Owner
Owner/Operator Name:	JORGE HUIZAR
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	9944 PEPPER AVENUE

JORGE HUIZAR (Continued) **1026709383**

Owner/Operator City,State,Zip: FONTANA, CA 92335
Owner/Operator Telephone: 951-204-4065
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Historic Generators:
Receive Date: 20201216
Handler Name: JORGE HUIZAR
Federal Waste Generator Description: Not a generator, verified
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Code: 56299
NAICS Description: ALL OTHER WASTE MANAGEMENT SERVICES

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

I39 **SIERRA ASSEMBLAGE ZONE 2 - PROPERTY 3** **RCRA NonGen / NLR** **1026480138**
SSW **16535 BOYLE AVENUE** **CAC003086087**
1/8-1/4 **FONTANA, CA 92337**
0.200 mi.
1055 ft. **Site 6 of 6 in cluster I**

Relative: RCRA NonGen / NLR:
Lower
Date Form Received by Agency: 20200929
Actual: Handler Name: SIERRA ASSEMBLAGE ZONE 2 - PROPERTY 3
1093 ft. Handler Address: 16535 BOYLE AVENUE
Handler City,State,Zip: FONTANA, CA 92337
EPA ID: CAC003086087
Contact Name: GUILLERMO ACCAME
Contact Address: 7887 EAST BELLEVIEW AVENUE
Contact City,State,Zip: DENVER, CO 80111
Contact Telephone: 303-846-5885
Contact Fax: Not reported
Contact Email: WACCAME@PANATTONI.COM
Contact Title: Not reported
EPA Region: 09
Land Type: Not reported
Federal Waste Generator Description: Not a generator, verified
Non-Notifier: Not reported
Biennial Report Cycle: Not reported
Accessibility: Not reported

SIERRA ASSEMBLAGE ZONE 2 - PROPERTY 3 (Continued) **1026480138**

Active Site Indicator:	Not reported
State District Owner:	Not reported
State District:	Not reported
Mailing Address:	7887 EAST BELLEVIEW AVENUE
Mailing City,State,Zip:	DENVER, CO 80111
Owner Name:	SIERRA AVENUE INDUSTRIAL, LLC
Owner Type:	Other
Operator Name:	GUILLERMO ACCAME
Operator Type:	Other
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20201008

SIERRA ASSEMBLAGE ZONE 2 - PROPERTY 3 (Continued) **1026480138**

Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name:	SIERRA AVENUE INDUSTRIAL, LLC
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	7887 EAST BELLEVIEW AVENUE
Owner/Operator City,State,Zip:	DENVER, CO 80111
Owner/Operator Telephone:	303-846-5885
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator
Owner/Operator Name:	GUILLERMO ACCAME
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	7887 EAST BELLEVIEW AVENUE
Owner/Operator City,State,Zip:	DENVER, CO 80111
Owner/Operator Telephone:	303-846-5885
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	20200929
Handler Name:	SIERRA ASSEMBLAGE ZONE 2 - PROPERTY 3
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

List of NAICS Codes and Descriptions:

NAICS Code:	56299
NAICS Description:	ALL OTHER WASTE MANAGEMENT SERVICES

Facility Has Received Notices of Violations:

Violations:	No Violations Found

SIERRA ASSEMBLAGE ZONE 2 - PROPERTY 3 (Continued) **1026480138**

Evaluation Action Summary:
Evaluations: No Evaluations Found

40
ESE
1/8-1/4
0.206 mi.
1089 ft.

GOODWILL INDUSTRIES OF SOUTHERN CALIFORNIA, FONTAN **RCRA NonGen / NLR** **1026715190**
16835 VALLEY BLVD **CAC003103592**
FONTANA, CA 92335

Relative:
Higher

Actual:
1120 ft.

RCRA NonGen / NLR:

Date Form Received by Agency:	20210202
Handler Name:	GOODWILL INDUSTRIES OF SOUTHERN CALIFORNIA, FONTANA SOUTH #73
Handler Address:	16835 VALLEY BLVD
Handler City,State,Zip:	FONTANA, CA 92335
EPA ID:	CAC003103592
Contact Name:	ALEX VALDEZ
Contact Address:	16835 VALLEY BLVD
Contact City,State,Zip:	FONTANA, CA 92335
Contact Telephone:	909-232-8150
Contact Fax:	Not reported
Contact Email:	EROBLES@IDRENVIRONMENTAL.COM
Contact Title:	Not reported
EPA Region:	09
Land Type:	Not reported
Federal Waste Generator Description:	Not a generator, verified
Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Not reported
State District Owner:	Not reported
State District:	Not reported
Mailing Address:	16835 VALLEY BLVD
Mailing City,State,Zip:	FONTANA, CA 92335
Owner Name:	GOODWILL INDUSTRIES OF SO CAL
Owner Type:	Other
Operator Name:	ALEX VALDEZ
Operator Type:	Other
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N

GOODWILL INDUSTRIES OF SOUTHERN CALIFORNIA, FONTANA SOUTH #7 (Continued) **1026715190**

Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20210226
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name:	GOODWILL INDUSTRIES OF SO CAL
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	16835 VALLEY BLVD
Owner/Operator City,State,Zip:	FONTANA, CA 92335
Owner/Operator Telephone:	909-232-8150
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator
Owner/Operator Name:	ALEX VALDEZ
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	16835 VALLEY BLVD

GOODWILL INDUSTRIES OF SOUTHERN CALIFORNIA, FONTANA SOUTH #7 (Continued) **1026715190**

Owner/Operator City,State,Zip: FONTANA, CA 92335
Owner/Operator Telephone: 909-232-8150
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Historic Generators:
Receive Date: 20210202
Handler Name: GOODWILL INDUSTRIES OF SOUTHERN CALIFORNIA, FONTANA SOUTH #73
Federal Waste Generator Description: Not a generator, verified
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: No
Electronic Manifest Broker: No

List of NAICS Codes and Descriptions:
NAICS Code: 44814
NAICS Description: FAMILY CLOTHING STORES

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

L41 **AGUIRRE & SONS TRUCKING INC** **RCRA NonGen / NLR** **1012175943**
SSE **16716 BOYLE AVE** **CAR000197590**
1/8-1/4 **FONTANA, CA 92337**
0.209 mi.
1105 ft. **Site 1 of 4 in cluster L**

Relative: RCRA NonGen / NLR:
Lower
Date Form Received by Agency: 20210107
Actual: Handler Name: AGUIRRE & SONS TRUCKING INC
1097 ft. Handler Address: 16716 BOYLE AVE
Handler City,State,Zip: FONTANA, CA 92337
EPA ID: CAR000197590
Contact Name: ANTONIO AGUIRRE
Contact Address: 16716 BOYLE AVE
Contact City,State,Zip: FONTANA, CA 92337
Contact Telephone: 909-376-5097
Contact Fax: Not reported
Contact Email: GERARDO.AGUIRRE.9098@GMAIL.COM
Contact Title: Not reported
EPA Region: 09
Land Type: Private
Federal Waste Generator Description: Not a generator, verified
Non-Notifier: Not reported
Biennial Report Cycle: Not reported
Accessibility: Not reported

AGUIRRE & SONS TRUCKING INC (Continued) **1012175943**

Active Site Indicator:	Handler Activities
State District Owner:	Not reported
State District:	Not reported
Mailing Address:	16716 BOYLE AVE
Mailing City,State,Zip:	FONTANA, CA 92337
Owner Name:	ANTONIO AGUIRRE
Owner Type:	Private
Operator Name:	AGUIRRE & SONS TRUCKING INC
Operator Type:	Private
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	Yes
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20210107

AGUIRRE & SONS TRUCKING INC (Continued) **1012175943**

Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name:	ANTONIO AGUIRRE
Legal Status:	Private
Date Became Current:	20081216
Date Ended Current:	Not reported
Owner/Operator Address:	16716 BOYLE AVE
Owner/Operator City,State,Zip:	FONTANA, CA 92337
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator
Owner/Operator Name:	ANTONIO AGUIRRE
Legal Status:	Private
Date Became Current:	20081216
Date Ended Current:	Not reported
Owner/Operator Address:	Not reported
Owner/Operator City,State,Zip:	Not reported
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Owner
Owner/Operator Name:	ANTONIO AGUIRRE
Legal Status:	Private
Date Became Current:	20081216
Date Ended Current:	Not reported
Owner/Operator Address:	16716 BOYLE AVE
Owner/Operator City,State,Zip:	FONTANA, CA 92337
Owner/Operator Telephone:	909-376-5097
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	GERARDO.AGUIRRE.9098@GMAIL.COM

Owner/Operator Indicator:	Operator
Owner/Operator Name:	AGUIRRE & SONS TRUCKING INC
Legal Status:	Private
Date Became Current:	20081216
Date Ended Current:	Not reported
Owner/Operator Address:	16716 BOYLE AVE
Owner/Operator City,State,Zip:	FONTANA, CA 92337
Owner/Operator Telephone:	909-376-5097
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	GERARDO.AGUIRRE.9098@GMAIL.COM

AGUIRRE & SONS TRUCKING INC (Continued) **1012175943**

Historic Generators:

Receive Date:	20090108
Handler Name: AGUIRRE TRUCKING	
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	No
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

Receive Date:	20210107
Handler Name: AGUIRRE & SONS TRUCKING INC	
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	No
Electronic Manifest Broker:	No

List of NAICS Codes and Descriptions:

NAICS Code:	484121
NAICS Description:	GENERAL FREIGHT TRUCKING, LONG-DISTANCE, TRUCKLOAD

NAICS Code:	484220
NAICS Description:	SPECIALIZED FREIGHT (EXCEPT USED GOODS) TRUCKING, LOCAL

NAICS Code:	484230
NAICS Description:	SPECIALIZED FREIGHT (EXCEPT USED GOODS) TRUCKING, LONG-DISTANCE

NAICS Code:	562111
NAICS Description:	SOLID WASTE COLLECTION

NAICS Code:	562112
NAICS Description:	HAZARDOUS WASTE COLLECTION

Facility Has Received Notices of Violation:

Found Violation:	No
Agency Which Determined Violation:	Not reported
Violation Short Description:	Not reported
Date Violation was Determined:	Not reported
Actual Return to Compliance Date:	Not reported
Return to Compliance Qualifier:	Not reported
Violation Responsible Agency:	Not reported
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported

AGUIRRE & SONS TRUCKING INC (Continued) **1012175943**

Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

Evaluation Action Summary:

Evaluation Date:	20190122
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

L42 **AGUIRRE & SONS TRUCKING INC** **HWT S124946682**
SSE **16716 BOYLE AVENUE** **HWTS N/A**
1/8-1/4 **FONTANA, CA 92337**
0.209 mi.
1105 ft. **Site 2 of 4 in cluster L**

Relative:
Lower

Actual:
1097 ft.

HWT:

Name:	AGUIRRE & SONS TRUCKING INC
Address:	16716 BOYLE AVENUE
City,State,Zip:	FONTANA, CA 92337
Reg Num:	5797
Expiration Date:	01/31/2022

HWTS:

Name:	AGUIRRE & SONS TRUCKING INC
Address:	16716 BOYLE AVE

AGUIRRE & SONS TRUCKING INC (Continued) **S124946682**

Address 2:	Not reported
City,State,Zip:	FONTANA, CA 92337
EPA ID:	CAR000197590
Inactive Date:	Not reported
Create Date:	02/02/2009
Last Act Date:	Not reported
Mailing Name:	Not reported
Mailing Address:	16716 BOYLE AVE
Mailing Address 2:	Not reported
Mailing City,State,Zip:	FONTANA, CA 92337
Owner Name:	AGUIRRE & SONS TRUCKING INC
Owner Address:	16716 BOYLE AVE
Owner Address 2:	Not reported
Owner City,State,Zip:	FONTANA, CA 92337
Contact Name:	ANTONIO AGUIRRE
Contact Address:	16716 BOYLE AVE
Contact Address 2:	Not reported
City,State,Zip:	FONTANA, CA 92337
Facility Status:	Active
Facility Type:	PERMANENT
Category:	FEDERAL
Latitude:	34.06536
Longitude:	-117.43965

NAICS:

EPA ID:	CAR000197590
Create Date:	2021-01-07 08:38:00.707
NAICS Code:	484220
NAICS Description:	Specialized Freight (except Used Goods) Trucking, Local
Issued EPA ID Date:	2009-02-02 08:53:06
Inactive Date:	Not reported
Facility Name:	AGUIRRE & SONS TRUCKING INC
Facility Address:	16716 BOYLE AVE
Facility Address 2:	Not reported
Facility City:	FONTANA
Facility County:	Not reported
Facility State:	CA
Facility Zip:	92337

L43 **TDC COMPANY** **RCRA NonGen / NLR** **1026709545**
SSE **16716 BOYLE AVE** **CAC003097635**
1/8-1/4 **FONTANA, CA 92337**
0.209 mi.
1105 ft. **Site 3 of 4 in cluster L**

Relative: **Lower**
Actual: **1097 ft.**

RCRA NonGen / NLR:

Date Form Received by Agency:		20201217
Handler Name:	TDC COMPANY	
Handler Address:		16716 BOYLE AVE
Handler City,State,Zip:		FONTANA, CA 92337
EPA ID:		CAC003097635
Contact Name:		TDC COMPANY
Contact Address:		20250 ACACIA STREET 260
Contact City,State,Zip:		NEWPORT BEACH, CA 92660
Contact Telephone:		949-351-5186
Contact Fax:		Not reported
Contact Email:		JACQUELINE@5MCONTRACTING.ORG

TDC COMPANY (Continued) **1026709545**

Contact Title:	Not reported
EPA Region:	09
Land Type:	Not reported
Federal Waste Generator Description:	Not a generator, verified
Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Not reported
State District Owner:	Not reported
State District:	Not reported
Mailing Address:	20250 ACACIA STREET 260
Mailing City,State,Zip:	NEWPORT BEACH, CA 92660
Owner Name:	TDC COMPANY
Owner Type:	Other
Operator Name:	TDC COMPANY
Operator Type:	Other
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported

TDC COMPANY (Continued) **1026709545**

Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20201218
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Operator
Owner/Operator Name:	TDC COMPANY
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	20250 ACACIA STREET 260
Owner/Operator City,State,Zip:	NEWPORT BEACH, CA 92660
Owner/Operator Telephone:	949-351-5186
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Owner
Owner/Operator Name:	TDC COMPANY
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	20250 ACACIA STREET 260
Owner/Operator City,State,Zip:	NEWPORT BEACH, CA 92660
Owner/Operator Telephone:	949-351-5186
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	20201217
Handler Name: TDC COMPANY	
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

TDC COMPANY (Continued) **1026709545**

List of NAICS Codes and Descriptions:
NAICS Code: 56299
NAICS Description: ALL OTHER WASTE MANAGEMENT SERVICES

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

M44 **PACIFIC AUTO CENTER** **CERS TANKS** **S113143632**
WNW **16416 VALLEY BLVD** **HAZNET** **N/A**
1/8-1/4 **FONTANA, CA 92335** **HWTS**
0.213 mi.
1125 ft. **Site 1 of 4 in cluster M**

Relative: Higher
Actual: 1115 ft.

CERS TANKS:
Name: PACIFIC AUTO CENTER
Address: 16416 VALLEY BLVD
City,State,Zip: FONTANA, CA 92335
Site ID: 54565
CERS ID: 10051105
CERS Description: Aboveground Petroleum Storage

Violations:
Site ID: 54565
Site Name: PACIFIC AUTO CENTER
Violation Date: 10-05-2017
Citation: HSC 6.5 Multiple - California Health and Safety Code, Chapter 6.5, Section(s) Multiple
Violation Description: Hazardous Waste Generator Program - Operations/Maintenance - General
Violation Notes: Returned to compliance on 09/09/2020. Failure to note accumulation start date on labels (CCR 66262.34(f)(2))
Violation Division: San Bernardino County Fire Department
Violation Program: HW
Violation Source: CERS,

Site ID: 54565
Site Name: PACIFIC AUTO CENTER
Violation Date: 09-09-2020
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description: Failure to annually review and electronically certify that the business plan is complete and accurate on or before the annual due date.
Violation Notes: Returned to compliance on 11/06/2020. OBSERVATION: The Hazardous Materials Business Plan was last certified via CERS on 1/5/2018. Your CERS ID number is 10051105. CORRECTIVE ACTION: Review and certify the facility business plan electronically via CERS.
Violation Division: San Bernardino County Fire Department
Violation Program: HMRRP
Violation Source: CERS,

Site ID: 54565
Site Name: PACIFIC AUTO CENTER
Violation Date: 03-14-2014

PACIFIC AUTO CENTER (Continued) **S113143632**

Citation:	HSC 6.67 Multiple - California Health and Safety Code, Chapter 6.67, Section(s) Multiple
Violation Description:	Haz Waste Generator Program - Operations/Maintenance - General
Violation Notes:	Returned to compliance on 04/11/2014. Failure to label hazardous waste containers (CCR 66262.34(f)(3))
Violation Division:	San Bernardino County Fire Department
Violation Program:	HW
Violation Source:	CERS,
Site ID:	54565
Site Name:	PACIFIC AUTO CENTER
Violation Date:	09-09-2020
Citation:	HSC 6.67 25270.6(b) - California Health and Safety Code, Chapter 6.67, Section(s) 25270.6(b)
Violation Description:	Failure to pay the APSA Program fee.
Violation Notes:	Returned to compliance on 08/27/2021. OBSERVATION: This facility was observed to store over 1,320 gallons of new and used petroleum and is subject to Aboveground Petroleum Storage Act (APSA) Regulations. This facility has yet to obtain a CUPA APSA permit. CORRECTIVE ACTION: Pay all applicable fees upon receipt of invoice.
Violation Division:	San Bernardino County Fire Department
Violation Program:	APSA
Violation Source:	CERS,
Site ID:	54565
Site Name:	PACIFIC AUTO CENTER
Violation Date:	03-14-2014
Citation:	22 CCR 16 66266.130 - California Code of Regulations, Title 22, Chapter 16, Section(s) 66266.130
Violation Description:	Failure to properly handle, manage, label, and recycle used oil and fuel filters.
Violation Notes:	Returned to compliance on 04/11/2014.
Violation Division:	San Bernardino County Fire Department
Violation Program:	HW
Violation Source:	CERS,
Site ID:	54565
Site Name:	PACIFIC AUTO CENTER
Violation Date:	03-14-2014
Citation:	HSC 6.95 25505(a) - California Health and Safety Code, Chapter 6.95, Section(s) 25505(a)
Violation Description:	Owner/Operator failed to complete and/or submit a Hazardous Materials Business Plan when storing hazardous materials at or above the thresholds quantities of 55 gallons/500 lbs/200 cubic feet.
Violation Notes:	Returned to compliance on 04/14/2014.
Violation Division:	San Bernardino County Fire Department
Violation Program:	HMRRP
Violation Source:	CERS,
Site ID:	54565
Site Name:	PACIFIC AUTO CENTER
Violation Date:	10-05-2017
Citation:	HSC 6.5 Multiple - California Health and Safety Code, Chapter 6.5, Section(s) Multiple
Violation Description:	Hazardous Waste Generator Program - Operations/Maintenance - General
Violation Notes:	Returned to compliance on 09/09/2020. Failure to label hazardous waste containers (CCR 66262.34(f)(3))

PACIFIC AUTO CENTER (Continued) **S113143632**

Violation Division:	San Bernardino County Fire Department
Violation Program:	HW
Violation Source:	CERS,
Site ID:	54565
Site Name:	PACIFIC AUTO CENTER
Violation Date:	10-05-2017
Citation:	HSC 6.5 Multiple - California Health and Safety Code, Chapter 6.5, Section(s) Multiple
Violation Description:	Hazardous Waste Generator Program - Operations/Maintenance - General
Violation Notes:	Returned to compliance on 09/09/2020. Failure to complete hazardous waste labels (CCR 66262.34(f)(3))
Violation Division:	San Bernardino County Fire Department
Violation Program:	HW
Violation Source:	CERS,
Site ID:	54565
Site Name:	PACIFIC AUTO CENTER
Violation Date:	03-14-2014
Citation:	HSC 6.67 Multiple - California Health and Safety Code, Chapter 6.67, Section(s) Multiple
Violation Description:	Haz Waste Generator Program - Operations/Maintenance - General
Violation Notes:	Returned to compliance on 04/11/2014. Failure to keep hazardous waste containers closed when not in active use (CCR 66265.173(a))
Violation Division:	San Bernardino County Fire Department
Violation Program:	HW
Violation Source:	CERS,
Site ID:	54565
Site Name:	PACIFIC AUTO CENTER
Violation Date:	10-05-2017
Citation:	HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description:	Failure to annually review and electronically certify that the business plan is complete and accurate on or before the annual due date.
Violation Notes:	Returned to compliance on 01/05/2018.
Violation Division:	San Bernardino County Fire Department
Violation Program:	HMRRP
Violation Source:	CERS,
Site ID:	54565
Site Name:	PACIFIC AUTO CENTER
Violation Date:	09-09-2020
Citation:	HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description:	Failure to complete and electronically submit hazardous material inventory information for all reportable hazardous materials on site at or above reportable quantities.
Violation Notes:	Returned to compliance on 11/06/2020. OBSERVATION: Observed the following hazardous materials that were not disclosed on the hazardous materials inventory via CERS: (3) 55-gallon drums of waste coolant, (1) 55-gallon drum of waste gasoline/diesel mixture, (1) 55-gallon drum of used absorbent, (2) 55-gallon drums of used oil, (1) 220-gallon tank of used oil, and (1) 260-gallon tank of used oil. Also observed (9) 55-gallon drums of motor oil and (3) 220-gallon tanks of motor oil, that are disclosed on the hazardous materials inventory via

PACIFIC AUTO CENTER (Continued) **S113143632**

CERS in the incorrect daily maximum quantity. CORRECTIVE ACTION: Update the hazardous materials inventory via CERS to reflect the inventory located on site.
Violation Division: San Bernardino County Fire Department
Violation Program: HMRRP
Violation Source: CERS,

Site ID: 54565
Site Name: PACIFIC AUTO CENTER
Violation Date: 09-09-2020
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description: Failure to complete and electronically submit a site map with all required content.
Violation Notes: Returned to compliance on 11/06/2020. OBSERVATION: The facility site map submitted via CERS on 1/5/2018, was unable to be reviewed as the link provided does not open to the site map. CORRECTIVE ACTION: Submit a complete copy of the facility site map containing all required elements via CERS.
Violation Division: San Bernardino County Fire Department
Violation Program: HMRRP
Violation Source: CERS,

Site ID: 54565
Site Name: PACIFIC AUTO CENTER
Violation Date: 10-05-2017
Citation: HSC 6.5 Multiple - California Health and Safety Code, Chapter 6.5, Section(s) Multiple
Violation Description: Hazardous Waste Generator Program - Operations/Maintenance - General
Violation Notes: Returned to compliance on 09/09/2020. Failure to keep hazardous waste containers closed when not in active use (CCR 66265.173(a))
Violation Division: San Bernardino County Fire Department
Violation Program: HW
Violation Source: CERS,

Site ID: 54565
Site Name: PACIFIC AUTO CENTER
Violation Date: 03-14-2014
Citation: HSC 6.67 Multiple - California Health and Safety Code, Chapter 6.67, Section(s) Multiple
Violation Description: Haz Waste Generator Program - Operations/Maintenance - General
Violation Notes: Returned to compliance on 04/11/2014. Hazardous waste accumulation time exceeded (CCR 66262.34(a))
Violation Division: San Bernardino County Fire Department
Violation Program: HW
Violation Source: CERS,

Site ID: 54565
Site Name: PACIFIC AUTO CENTER
Violation Date: 03-14-2014
Citation: HSC 6.67 Multiple - California Health and Safety Code, Chapter 6.67, Section(s) Multiple
Violation Description: Haz Waste Generator Program - Operations/Maintenance - General
Violation Notes: Returned to compliance on 04/11/2014. Failure to manage hazardous waste lawfully (CHSC 25154)
Violation Division: San Bernardino County Fire Department
Violation Program: HW

PACIFIC AUTO CENTER (Continued) **S113143632**

Violation Source: CERS,

Site ID: 54565
Site Name: PACIFIC AUTO CENTER
Violation Date: 09-09-2020
Citation: HSC 6.67 25270.4.5(a) - California Health and Safety Code, Chapter 6.67, Section(s) 25270.4.5(a)
Violation Description: Failure to prepare a Spill Prevention, Control, and Countermeasures (SPCC) Plan.
Violation Notes: OBSERVATION: This facility was observed to store over 1,320 gallons of new and used petroleum based products and has not prepared a Spill, Prevention, Control, and Countermeasures (SPCC) plan. CORRECTIVE ACTION: Prepare and SPCC plan and submit a signed statement to this Division indicating that an SPCC plan has been prepared.
Violation Division: San Bernardino County Fire Department
Violation Program: APSA
Violation Source: CERS,

Evaluation:
Eval General Type: Compliance Evaluation Inspection
Eval Date: 03-14-2014
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: generator insp
Eval Division: San Bernardino County Fire Department
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 09-09-2020
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: San Bernardino County Fire Department
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 09-09-2020
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: San Bernardino County Fire Department
Eval Program: APSA
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 10-05-2017
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: San Bernardino County Fire Department
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 10-05-2017

PACIFIC AUTO CENTER (Continued) **S113143632**

Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: San Bernardino County Fire Department
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 03-14-2014
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: insp handler
Eval Division: San Bernardino County Fire Department
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 09-09-2020
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: San Bernardino County Fire Department
Eval Program: HMRRP
Eval Source: CERS,

Enforcement Action:
Site ID: 54565
Site Name: PACIFIC AUTO CENTER
Site Address: 16416 VALLEY BLVD
Site City: FONTANA
Site Zip: 92335
Enf Action Date: 03-14-2014
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: San Bernardino County Fire Department
Enf Action Program: HMRRP
Enf Action Source: CERS,

Site ID: 54565
Site Name: PACIFIC AUTO CENTER
Site Address: 16416 VALLEY BLVD
Site City: FONTANA
Site Zip: 92335
Enf Action Date: 03-14-2014
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: San Bernardino County Fire Department
Enf Action Program: HW
Enf Action Source: CERS,

Coordinates:
Site ID: 54565
Facility Name: PACIFIC AUTO CENTER
Env Int Type Code: HWG

PACIFIC AUTO CENTER (Continued) **S113143632**

Program ID: 10051105
Coord Name: Not reported
Ref Point Type Desc: Unknown,
Latitude: 34.071308
Longitude: -117.446304

Affiliation:
Affiliation Type Desc: Parent Corporation
Entity Name: PACIFIC AUTO CENTER
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

Affiliation Type Desc: Environmental Contact
Entity Name: Robert Morris
Entity Title: Not reported
Affiliation Address: 3131 MICHELSON #1406
Affiliation City: IRVINE
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 92612
Affiliation Phone: ,

Affiliation Type Desc: Legal Owner
Entity Name: PACIFIC AUTO CENTER
Entity Title: Not reported
Affiliation Address: 16416 VALLEY BLVD
Affiliation City: FONTANA
Affiliation State: CA
Affiliation Country: United States
Affiliation Zip: 92335
Affiliation Phone: (909) 429-1100,

Affiliation Type Desc: Facility Mailing Address
Entity Name: Mailing Address
Entity Title: Not reported
Affiliation Address: 16416 VALLEY BLVD
Affiliation City: FONTANA
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 92335
Affiliation Phone: ,

Affiliation Type Desc: CUPA District
Entity Name: San Bernardino County Fire
Entity Title: Not reported
Affiliation Address: 620 South E Street
Affiliation City: San Bernardino
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 92415-0153
Affiliation Phone: (909) 386-8401,

PACIFIC AUTO CENTER (Continued) **S113143632**

Affiliation Type Desc:	Document Preparer
Entity Name:	Andrew Smith, Western EHS Service, Inc.
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,

Affiliation Type Desc:	Identification Signer
Entity Name:	Robert Morris
Entity Title:	Manager
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,

Affiliation Type Desc:	Operator
Entity Name:	PACIFIC AUTO CENTER
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	(949) 701-8182,

HAZNET:

Name:	PACIFIC AUTO CENTER
Address:	16416 VALLEY BLVD
Address 2:	Not reported
City,State,Zip:	FONTANA, CA 923356507
Contact:	IRAJ YAZDANI
Telephone:	9095782469
Mailing Name:	Not reported
Mailing Address:	16416 VALLEY BLVD
Year:	2019
Gepaid:	CAL000309359
TSD EPA ID:	AZR000520304
CA Waste Code:	352 - Other organic solids
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.16000
Year:	2019
Gepaid:	CAL000309359
TSD EPA ID:	AZR000521146
CA Waste Code:	352 - Other organic solids
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.34500

PACIFIC AUTO CENTER (Continued) **S113143632**

Year:	2019
Gepaid:	CAL000309359
TSD EPA ID:	AZR000520304
CA Waste Code:	343 - Unspecified organic liquid mixture
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.18700
Year:	2018
Gepaid:	CAL000309359
TSD EPA ID:	CAD099452708
CA Waste Code:	221 - Waste oil and mixed oil
Disposal Method:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Tons:	0.00000
Year:	2018
Gepaid:	CAL000309359
TSD EPA ID:	AZR000501510
CA Waste Code:	352 - Other organic solids
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.60000
Year:	2018
Gepaid:	CAL000309359
TSD EPA ID:	AZR000520304
CA Waste Code:	352 - Other organic solids
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	1.99250
Year:	2017
Gepaid:	CAL000309359
TSD EPA ID:	CAD099452708
CA Waste Code:	221 - Waste oil and mixed oil
Disposal Method:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Tons:	11.172
Year:	2017
Gepaid:	CAL000309359
TSD EPA ID:	AZR000501510
CA Waste Code:	352 - Other organic solids
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.9
Year:	2017
Gepaid:	CAL000309359
TSD EPA ID:	CAT080013352
CA Waste Code:	221 - Waste oil and mixed oil
Disposal Method:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Tons:	2.09
Year:	2016

PACIFIC AUTO CENTER (Continued) **S113143632**

Gepaid: CAL000309359
TSD EPA ID: AZR000501510
CA Waste Code: 352 - Other organic solids
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.3

Click this hyperlink while viewing on your computer to access
13 additional CA HAZNET: record(s) in the EDR Site Report.

Additional Info:
Year: 2017
Gen EPA ID: CAL000309359

Shipment Date: 20171228
Creation Date: 11/8/2018 18:30:36
Receipt Date: 20180104
Manifest ID: 017506888JJK
Trans EPA ID: CAR000159681
Trans Name: WESTERN ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDF EPA ID: CAD099452708
Trans Name: INDUSTRIAL SERVICE OIL COMPANY INC
TSDF Alt EPA ID: Not reported
TSDF Alt Name: Not reported
Waste Code Description: 221 - Waste oil and mixed oil
RCRA Code: Not reported
Meth Code: H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons: 1.33
Waste Quantity: 350
Quantity Unit: G
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Shipment Date: 20171110
Creation Date: 8/1/2018 18:31:11
Receipt Date: 20171110
Manifest ID: 017506742JJK
Trans EPA ID: CAR000159681
Trans Name: WESTERN ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDF EPA ID: CAD099452708
Trans Name: INDUSTRIAL SERVICE OIL COMPANY INC
TSDF Alt EPA ID: Not reported
TSDF Alt Name: Not reported
Waste Code Description: 221 - Waste oil and mixed oil
RCRA Code: Not reported
Meth Code: H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons: 2.28

PACIFIC AUTO CENTER (Continued) **S113143632**

Waste Quantity:	600
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20170920
Creation Date:	7/12/2018 18:30:34
Receipt Date:	20170922
Manifest ID:	017506608JJK
Trans EPA ID:	CAR000159681
Trans Name:	WESTERN ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD099452708
Trans Name:	INDUSTRIAL SERVICE OIL COMPANY INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	1.52
Waste Quantity:	400
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20170918
Creation Date:	11/8/2018 18:30:45
Receipt Date:	20170927
Manifest ID:	017506609JJK
Trans EPA ID:	CAR000159681
Trans Name:	WESTERN ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID:	CAD980585293
Trans 2 Name:	INDUSTRIAL WASTE UTILIZATION
TSDF EPA ID:	AZR000501510
Trans Name:	A A SYDCOL LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.15
Waste Quantity:	300
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

PACIFIC AUTO CENTER (Continued) **S113143632**

Shipment Date:	20170803
Creation Date:	7/28/2018 18:34:05
Receipt Date:	20170811
Manifest ID:	017506538JJK
Trans EPA ID:	CAR000159681
Trans Name:	WESTERN ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID:	CAD980585293
Trans 2 Name:	INDUSTRIAL WASTE UTILIZATION
TSDF EPA ID:	AZR000501510
Trans Name:	A A SYDCOL LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.3
Waste Quantity:	600
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20170802
Creation Date:	12/1/2018 18:30:20
Receipt Date:	20170803
Manifest ID:	017506536JJK
Trans EPA ID:	CAR000159681
Trans Name:	WESTERN ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD099452708
Trans Name:	INDUSTRIAL SERVICE OIL COMPANY INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	2.28
Waste Quantity:	600
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20170616
Creation Date:	7/12/2018 18:30:13
Receipt Date:	20170616
Manifest ID:	015985929JJK
Trans EPA ID:	CAR000159681
Trans Name:	WESTERN ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID:	Not reported

PACIFIC AUTO CENTER (Continued) **S113143632**

Trans 2 Name:	Not reported
TSDF EPA ID:	CAD099452708
Trans Name:	INDUSTRIAL SERVICE OIL COMPANY INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	2.28
Waste Quantity:	600
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20170427
Creation Date:	5/12/2018 18:32:44
Receipt Date:	20170507
Manifest ID:	015985817JJK
Trans EPA ID:	CAR000159681
Trans Name:	WESTERN ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID:	CAD980585293
Trans 2 Name:	INDUSTRIAL WASTE UTILIZATION
TSDF EPA ID:	AZR000501510
Trans Name:	A A SYDCOL LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.3
Waste Quantity:	600
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20170426
Creation Date:	5/12/2018 18:32:04
Receipt Date:	20170427
Manifest ID:	015985816JJK
Trans EPA ID:	CAR000159681
Trans Name:	WESTERN ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD099452708
Trans Name:	INDUSTRIAL SERVICE OIL COMPANY INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	221 - Waste oil and mixed oil
RCRA Code:	Not reported

PACIFIC AUTO CENTER (Continued) **S113143632**

Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	2.546
Waste Quantity:	670
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20170314
Creation Date:	5/24/2017 18:30:56
Receipt Date:	20170314
Manifest ID:	015985703JJK
Trans EPA ID:	CAR000159681
Trans Name:	WESTERN ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	DEMENNO KERDOON
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	2.09
Waste Quantity:	550
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2015
Gen EPA ID:	CAL000309359
Shipment Date:	20151202
Creation Date:	5/24/2016 16:38:02
Receipt Date:	20151210
Manifest ID:	014163580JJK
Trans EPA ID:	CAR000159681
Trans Name:	WESTERN ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD099452708
Trans Name:	INDUSTRIAL SERVICE OIL COMPANY INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	1.14

PACIFIC AUTO CENTER (Continued) **S113143632**

Waste Quantity:	300
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20151105
Creation Date:	1/11/2016 22:16:05
Receipt Date:	20151109
Manifest ID:	014163545JJK
Trans EPA ID:	CAR000159681
Trans Name:	WESTERN ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD099452708
Trans Name:	INDUSTRIAL SERVICE OIL COMPANY INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	0.76
Waste Quantity:	200
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20151022
Creation Date:	1/21/2016 22:15:47
Receipt Date:	20151027
Manifest ID:	014164492JJK
Trans EPA ID:	CAR000159681
Trans Name:	WESTERN ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD099452708
Trans Name:	INDUSTRIAL SERVICE OIL COMPANY INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	0.95
Waste Quantity:	250
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

PACIFIC AUTO CENTER (Continued) **S113143632**

Shipment Date:	20151002
Creation Date:	1/11/2016 22:16:05
Receipt Date:	20151009
Manifest ID:	014164447JJK
Trans EPA ID:	CAR000159681
Trans Name:	WESTERN ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD099452708
Trans Name:	INDUSTRIAL SERVICE OIL COMPANY INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	0.95
Waste Quantity:	250
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20150911
Creation Date:	12/15/2015 22:15:14
Receipt Date:	20150911
Manifest ID:	014164407JJK
Trans EPA ID:	CAR000159681
Trans Name:	WESTERN ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD099452708
Trans Name:	INDUSTRIAL SERVICE OIL COMPANY INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	1.026
Waste Quantity:	270
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20150819
Creation Date:	11/6/2015 22:15:17
Receipt Date:	20150819
Manifest ID:	014164368JJK
Trans EPA ID:	CAR000159681
Trans Name:	WESTERN ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID:	Not reported

PACIFIC AUTO CENTER (Continued) **S113143632**

Trans 2 Name:	Not reported
TSDF EPA ID:	CAD099452708
Trans Name:	INDUSTRIAL SERVICE OIL COMPANY INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	0.76
Waste Quantity:	200
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20150804
Creation Date:	11/5/2015 22:15:27
Receipt Date:	20150806
Manifest ID:	014164324JJK
Trans EPA ID:	CAR000159681
Trans Name:	WESTERN ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD099452708
Trans Name:	INDUSTRIAL SERVICE OIL COMPANY INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	1.14
Waste Quantity:	300
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20150713
Creation Date:	10/5/2015 22:15:16
Receipt Date:	20150723
Manifest ID:	014164284JJK
Trans EPA ID:	CAR000159681
Trans Name:	WESTERN ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD099452708
Trans Name:	INDUSTRIAL SERVICE OIL COMPANY INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	221 - Waste oil and mixed oil
RCRA Code:	Not reported

PACIFIC AUTO CENTER (Continued) **S113143632**

Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	1.14
Waste Quantity:	300
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20150622
Creation Date:	9/11/2015 22:15:30
Receipt Date:	20150625
Manifest ID:	014164246JJK
Trans EPA ID:	CAR000159681
Trans Name:	WESTERN ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD099452708
Trans Name:	INDUSTRIAL SERVICE OIL COMPANY INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	1.14
Waste Quantity:	300
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20150602
Creation Date:	9/22/2015 22:15:49
Receipt Date:	20150610
Manifest ID:	014164175JJK
Trans EPA ID:	CAR000159681
Trans Name:	WESTERN ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD099452708
Trans Name:	INDUSTRIAL SERVICE OIL COMPANY INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	1.14
Waste Quantity:	300
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported

PACIFIC AUTO CENTER (Continued) **S113143632**

Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2011
Gen EPA ID:	CAL000309359
Shipment Date:	20111216
Creation Date:	3/13/2012 20:30:32
Receipt Date:	20111220
Manifest ID:	008719230JJK
Trans EPA ID:	CAR000159681
Trans Name:	WESTERN ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD099452708
Trans Name:	INDUSTRIAL SERVICE OIL COMPANY INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	0.836
Waste Quantity:	220
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20111024
Creation Date:	12/20/2011 18:30:24
Receipt Date:	20111026
Manifest ID:	008719041JJK
Trans EPA ID:	CAR000159681
Trans Name:	WESTERN ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD099452708
Trans Name:	INDUSTRIAL SERVICE OIL COMPANY INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	0.475
Waste Quantity:	125
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

PACIFIC AUTO CENTER (Continued) **S113143632**

Shipment Date:	20110926
Creation Date:	12/9/2011 18:30:13
Receipt Date:	20110928
Manifest ID:	008718921JJK
Trans EPA ID:	CAR000159681
Trans Name:	WESTERN ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD099452708
Trans Name:	INDUSTRIAL SERVICE OIL COMPANY INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	0.57
Waste Quantity:	150
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20110831
Creation Date:	10/22/2011 18:30:35
Receipt Date:	20110902
Manifest ID:	008718815JJK
Trans EPA ID:	CAR000159681
Trans Name:	WESTERN ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD099452708
Trans Name:	INDUSTRIAL SERVICE OIL COMPANY INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	0.76
Waste Quantity:	200
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20110727
Creation Date:	9/16/2011 18:30:28
Receipt Date:	20110801
Manifest ID:	008718743JJK
Trans EPA ID:	CAR000159681
Trans Name:	WESTERN ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID:	Not reported

PACIFIC AUTO CENTER (Continued) **S113143632**

Trans 2 Name:	Not reported
TSDF EPA ID:	CAD099452708
Trans Name:	INDUSTRIAL SERVICE OIL COMPANY INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	Not reported
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	0.21
Waste Quantity:	50
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20110726
Creation Date:	9/1/2011 18:31:47
Receipt Date:	20110726
Manifest ID:	008718670JJK
Trans EPA ID:	CAR000159681
Trans Name:	WESTERN ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD099452708
Trans Name:	INDUSTRIAL SERVICE OIL COMPANY INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	0.57
Waste Quantity:	150
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20110623
Creation Date:	8/26/2011 18:30:23
Receipt Date:	20110627
Manifest ID:	007239446JJK
Trans EPA ID:	CAR000159681
Trans Name:	WESTERN ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD099452708
Trans Name:	INDUSTRIAL SERVICE OIL COMPANY INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	221 - Waste oil and mixed oil
RCRA Code:	Not reported

PACIFIC AUTO CENTER (Continued) **S113143632**

Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	1.14
Waste Quantity:	300
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20110519
Creation Date:	6/28/2011 18:30:21
Receipt Date:	20110520
Manifest ID:	008718537JJK
Trans EPA ID:	CAR000159681
Trans Name:	WESTERN ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD099452708
Trans Name:	INDUSTRIAL SERVICE OIL COMPANY INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	0.76
Waste Quantity:	200
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20110415
Creation Date:	6/4/2011 18:30:20
Receipt Date:	20110422
Manifest ID:	007239387JJK
Trans EPA ID:	CAR000159681
Trans Name:	WESTERN ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD099452708
Trans Name:	INDUSTRIAL SERVICE OIL COMPANY INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	0.76
Waste Quantity:	200
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported

PACIFIC AUTO CENTER (Continued) **S113143632**

Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2013
Gen EPA ID:	CAL000309359
Shipment Date:	20131223
Creation Date:	3/6/2014 22:15:20
Receipt Date:	20131230
Manifest ID:	011191426JJK
Trans EPA ID:	CAR000159681
Trans Name:	WESTERN ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD099452708
Trans Name:	INDUSTRIAL SERVICE OIL COMPANY INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	0.38
Waste Quantity:	100
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20131125
Creation Date:	1/29/2014 22:15:06
Receipt Date:	20131126
Manifest ID:	011191347JJK
Trans EPA ID:	CAR000159681
Trans Name:	WESTERN ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD099452708
Trans Name:	INDUSTRIAL SERVICE OIL COMPANY INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	0.874
Waste Quantity:	230
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

PACIFIC AUTO CENTER (Continued) **S113143632**

Shipment Date:	20131029
Creation Date:	1/12/2014 22:15:07
Receipt Date:	20131029
Manifest ID:	011191262JJK
Trans EPA ID:	CAR000159681
Trans Name:	WESTERN ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD099452708
Trans Name:	INDUSTRIAL SERVICE OIL COMPANY INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	0.57
Waste Quantity:	150
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20131007
Creation Date:	1/6/2014 22:15:06
Receipt Date:	20131014
Manifest ID:	011191217JJK
Trans EPA ID:	CAR000159681
Trans Name:	WESTERN ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD099452708
Trans Name:	INDUSTRIAL SERVICE OIL COMPANY INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	0.855
Waste Quantity:	225
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20130920
Creation Date:	11/27/2013 22:15:07
Receipt Date:	20130920
Manifest ID:	011191170JJK
Trans EPA ID:	CAR000159681
Trans Name:	WESTERN ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID:	Not reported

PACIFIC AUTO CENTER (Continued) **S113143632**

Trans 2 Name:	Not reported
TSDF EPA ID:	CAD099452708
Trans Name:	INDUSTRIAL SERVICE OIL COMPANY INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	Not reported
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	0.231
Waste Quantity:	55
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20130911
Creation Date:	11/16/2013 22:15:32
Receipt Date:	20130912
Manifest ID:	011191039JJK
Trans EPA ID:	CAR000159681
Trans Name:	WESTERN ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD099452708
Trans Name:	INDUSTRIAL SERVICE OIL COMPANY INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	1.14
Waste Quantity:	300
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20130820
Creation Date:	10/31/2013 22:15:06
Receipt Date:	20130826
Manifest ID:	011191034JJK
Trans EPA ID:	CAR000159681
Trans Name:	WESTERN ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD099452708
Trans Name:	INDUSTRIAL SERVICE OIL COMPANY INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	221 - Waste oil and mixed oil
RCRA Code:	Not reported

PACIFIC AUTO CENTER (Continued) **S113143632**

Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	0.456
Waste Quantity:	120
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20130808
Creation Date:	10/26/2013 22:15:06
Receipt Date:	20130815
Manifest ID:	011190946JJK
Trans EPA ID:	CAR000159681
Trans Name:	WESTERN ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD099452708
Trans Name:	INDUSTRIAL SERVICE OIL COMPANY INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	0.57
Waste Quantity:	150
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20130724
Creation Date:	10/30/2013 22:15:08
Receipt Date:	20130726
Manifest ID:	011190983JJK
Trans EPA ID:	CAR000159681
Trans Name:	WESTERN ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD099452708
Trans Name:	INDUSTRIAL SERVICE OIL COMPANY INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	0.76
Waste Quantity:	200
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported

PACIFIC AUTO CENTER (Continued) **S113143632**

Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20130712
Creation Date:	9/16/2013 22:15:07
Receipt Date:	20130712
Manifest ID:	011190940JJK
Trans EPA ID:	CAR000159681
Trans Name:	WESTERN ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD099452708
Trans Name:	INDUSTRIAL SERVICE OIL COMPANY INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	Not reported
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	0.399
Waste Quantity:	95
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2016
Gen EPA ID:	CAL000309359
Shipment Date:	20151202
Creation Date:	5/24/2016 16:38:02
Receipt Date:	20151210
Manifest ID:	014163580JJK
Trans EPA ID:	CAR000159681
Trans Name:	WESTERN ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD099452708
Trans Name:	INDUSTRIAL SERVICE OIL COMPANY INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	1.14
Waste Quantity:	300
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

PACIFIC AUTO CENTER (Continued) **S113143632**

Shipment Date:	20151105
Creation Date:	1/11/2016 22:16:05
Receipt Date:	20151109
Manifest ID:	014163545JJK
Trans EPA ID:	CAR000159681
Trans Name:	WESTERN ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD099452708
Trans Name:	INDUSTRIAL SERVICE OIL COMPANY INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	0.76
Waste Quantity:	200
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20151022
Creation Date:	1/21/2016 22:15:47
Receipt Date:	20151027
Manifest ID:	014164492JJK
Trans EPA ID:	CAR000159681
Trans Name:	WESTERN ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD099452708
Trans Name:	INDUSTRIAL SERVICE OIL COMPANY INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	0.95
Waste Quantity:	250
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20151002
Creation Date:	1/11/2016 22:16:05
Receipt Date:	20151009
Manifest ID:	014164447JJK
Trans EPA ID:	CAR000159681
Trans Name:	WESTERN ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID:	Not reported

PACIFIC AUTO CENTER (Continued) **S113143632**

Trans 2 Name:	Not reported
TSDF EPA ID:	CAD099452708
Trans Name:	INDUSTRIAL SERVICE OIL COMPANY INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	0.95
Waste Quantity:	250
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20150911
Creation Date:	12/15/2015 22:15:14
Receipt Date:	20150911
Manifest ID:	014164407JJK
Trans EPA ID:	CAR000159681
Trans Name:	WESTERN ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD099452708
Trans Name:	INDUSTRIAL SERVICE OIL COMPANY INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	1.026
Waste Quantity:	270
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20150819
Creation Date:	11/6/2015 22:15:17
Receipt Date:	20150819
Manifest ID:	014164368JJK
Trans EPA ID:	CAR000159681
Trans Name:	WESTERN ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD099452708
Trans Name:	INDUSTRIAL SERVICE OIL COMPANY INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	221 - Waste oil and mixed oil
RCRA Code:	Not reported

PACIFIC AUTO CENTER (Continued) **S113143632**

Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	0.76
Waste Quantity:	200
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20150804
Creation Date:	11/5/2015 22:15:27
Receipt Date:	20150806
Manifest ID:	014164324JJK
Trans EPA ID:	CAR000159681
Trans Name:	WESTERN ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD099452708
Trans Name:	INDUSTRIAL SERVICE OIL COMPANY INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	1.14
Waste Quantity:	300
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20150713
Creation Date:	10/5/2015 22:15:16
Receipt Date:	20150723
Manifest ID:	014164284JJK
Trans EPA ID:	CAR000159681
Trans Name:	WESTERN ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD099452708
Trans Name:	INDUSTRIAL SERVICE OIL COMPANY INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	1.14
Waste Quantity:	300
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported

PACIFIC AUTO CENTER (Continued) **S113143632**

Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20150622
Creation Date:	9/11/2015 22:15:30
Receipt Date:	20150625
Manifest ID:	014164246JJK
Trans EPA ID:	CAR000159681
Trans Name:	WESTERN ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD099452708
Trans Name:	INDUSTRIAL SERVICE OIL COMPANY INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	1.14
Waste Quantity:	300
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20150602
Creation Date:	9/22/2015 22:15:49
Receipt Date:	20150610
Manifest ID:	014164175JJK
Trans EPA ID:	CAR000159681
Trans Name:	WESTERN ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD099452708
Trans Name:	INDUSTRIAL SERVICE OIL COMPANY INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	1.14
Waste Quantity:	300
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2014
Gen EPA ID:	CAL000309359

PACIFIC AUTO CENTER (Continued) **S113143632**

Shipment Date:	20141208
Creation Date:	3/27/2015 22:15:11
Receipt Date:	20141216
Manifest ID:	012325830JJK
Trans EPA ID:	CAR000159681
Trans Name:	WESTERN ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD099452708
Trans Name:	INDUSTRIAL SERVICE OIL COMPANY INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	0.76
Waste Quantity:	200
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20141103
Creation Date:	2/6/2015 22:15:22
Receipt Date:	20141104
Manifest ID:	012325757JJK
Trans EPA ID:	CAR000159681
Trans Name:	WESTERN ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD099452708
Trans Name:	INDUSTRIAL SERVICE OIL COMPANY INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	0.95
Waste Quantity:	250
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20141013
Creation Date:	12/29/2014 22:15:07
Receipt Date:	20141016
Manifest ID:	012325696JJK
Trans EPA ID:	CAR000159681
Trans Name:	WESTERN ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID:	Not reported

PACIFIC AUTO CENTER (Continued) **S113143632**

Trans 2 Name:	Not reported
TSDF EPA ID:	CAD099452708
Trans Name:	INDUSTRIAL SERVICE OIL COMPANY INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	0.95
Waste Quantity:	250
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20140922
Creation Date:	12/19/2014 22:15:01
Receipt Date:	20140924
Manifest ID:	012323356JJK
Trans EPA ID:	CAR000159681
Trans Name:	WESTERN ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD099452708
Trans Name:	INDUSTRIAL SERVICE OIL COMPANY INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	0.38
Waste Quantity:	100
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20140909
Creation Date:	11/22/2014 22:15:06
Receipt Date:	20140918
Manifest ID:	012325634JJK
Trans EPA ID:	CAR000159681
Trans Name:	WESTERN ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD099452708
Trans Name:	INDUSTRIAL SERVICE OIL COMPANY INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	221 - Waste oil and mixed oil
RCRA Code:	Not reported

PACIFIC AUTO CENTER (Continued) **S113143632**

Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	0.855
Waste Quantity:	225
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20140820
Creation Date:	10/31/2014 22:14:51
Receipt Date:	20140822
Manifest ID:	012325594JJK
Trans EPA ID:	CAR000159681
Trans Name:	WESTERN ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD099452708
Trans Name:	INDUSTRIAL SERVICE OIL COMPANY INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	0.95
Waste Quantity:	250
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20140723
Creation Date:	11/3/2014 22:14:40
Receipt Date:	20140801
Manifest ID:	012325538JJK
Trans EPA ID:	CAR000159681
Trans Name:	WESTERN ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD099452708
Trans Name:	INDUSTRIAL SERVICE OIL COMPANY INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	0.38
Waste Quantity:	100
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported

PACIFIC AUTO CENTER (Continued) **S113143632**

Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20140710
Creation Date:	9/24/2014 22:15:21
Receipt Date:	20140718
Manifest ID:	012325502JJK
Trans EPA ID:	CAR000159681
Trans Name:	WESTERN ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD099452708
Trans Name:	INDUSTRIAL SERVICE OIL COMPANY INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	0.95
Waste Quantity:	250
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20140611
Creation Date:	9/9/2014 22:15:03
Receipt Date:	20140611
Manifest ID:	012323400JJK
Trans EPA ID:	CAR000159681
Trans Name:	WESTERN ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD099452708
Trans Name:	INDUSTRIAL SERVICE OIL COMPANY INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	0.494
Waste Quantity:	130
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20140529
Creation Date:	8/18/2014 22:15:04
Receipt Date:	20140530

PACIFIC AUTO CENTER (Continued) **S113143632**

Manifest ID:	012323367JJK
Trans EPA ID:	CAR000159681
Trans Name:	WESTERN ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD099452708
Trans Name:	INDUSTRIAL SERVICE OIL COMPANY INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	0.76
Waste Quantity:	200
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2010
Gen EPA ID:	CAL000309359
Shipment Date:	20100125
Creation Date:	4/12/2010 18:30:47
Receipt Date:	20100128
Manifest ID:	005414425JJK
Trans EPA ID:	CAR000159681
Trans Name:	WESTERN ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD099452708
Trans Name:	INDUSTRIAL SERVICE OIL CO
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	0.684
Waste Quantity:	180
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2012
Gen EPA ID:	CAL000309359
Shipment Date:	20121227

PACIFIC AUTO CENTER (Continued) **S113143632**

Creation Date:	7/22/2013 13:37:26
Receipt Date:	20130105
Manifest ID:	009778791JJK
Trans EPA ID:	CAR000159681
Trans Name:	WESTERN ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD099452708
Trans Name:	INDUSTRIAL SERVICE OIL COMPANY INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	1.8658
Waste Quantity:	491
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20121213
Creation Date:	3/7/2013 22:15:18
Receipt Date:	20121213
Manifest ID:	009778759JJK
Trans EPA ID:	CAR000159681
Trans Name:	WESTERN ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD099452708
Trans Name:	INDUSTRIAL SERVICE OIL COMPANY INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	Not reported
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	0.231
Waste Quantity:	55
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20121128
Creation Date:	2/15/2013 22:15:34
Receipt Date:	20121128
Manifest ID:	009778726JJK
Trans EPA ID:	CAR000159681
Trans Name:	WESTERN ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported

PACIFIC AUTO CENTER (Continued) **S113143632**

TSDF EPA ID:	CAD099452708
Trans Name:	INDUSTRIAL SERVICE OIL COMPANY INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	0.76
Waste Quantity:	200
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20121101
Creation Date:	2/15/2013 22:15:28
Receipt Date:	20121105
Manifest ID:	009778635JJK
Trans EPA ID:	CAR000159681
Trans Name:	WESTERN ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD099452708
Trans Name:	INDUSTRIAL SERVICE OIL COMPANY INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	135 - Unspecified aqueous solution
RCRA Code:	Not reported
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	0.231
Waste Quantity:	55
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20121017
Creation Date:	2/9/2013 22:15:14
Receipt Date:	20121019
Manifest ID:	009778437JJK
Trans EPA ID:	CAR000159681
Trans Name:	WESTERN ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD099452708
Trans Name:	INDUSTRIAL SERVICE OIL COMPANY INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid

PACIFIC AUTO CENTER (Continued) **S113143632**

	Regeneration, Organics Recovery Ect
Quantity Tons:	0.304
Waste Quantity:	80
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20121002
Creation Date:	1/13/2013 22:15:14
Receipt Date:	20121008
Manifest ID:	009778550JJK
Trans EPA ID:	CAR000159681
Trans Name:	WESTERN ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD099452708
Trans Name:	INDUSTRIAL SERVICE OIL COMPANY INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	0.646
Waste Quantity:	170
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20120829
Creation Date:	10/10/2012 22:15:33
Receipt Date:	20120829
Manifest ID:	009778393JJK
Trans EPA ID:	CAR000159681
Trans Name:	WESTERN ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD099452708
Trans Name:	INDUSTRIAL SERVICE OIL COMPANY INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	0.342
Waste Quantity:	90
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported

PACIFIC AUTO CENTER (Continued) **S113143632**

Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20120504
Creation Date:	6/27/2012 20:30:23
Receipt Date:	20120507
Manifest ID:	009778140JJK
Trans EPA ID:	CAR000159681
Trans Name:	WESTERN ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD099452708
Trans Name:	INDUSTRIAL SERVICE OIL COMPANY INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	0.57
Waste Quantity:	150
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20120215
Creation Date:	4/11/2012 20:30:13
Receipt Date:	20120220
Manifest ID:	005408026JJK
Trans EPA ID:	CAR000159681
Trans Name:	WESTERN ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	Not reported
Trans Name:	INDUSTRIAL SERVICE OIL CO INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	0.247
Waste Quantity:	65
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20120201
Creation Date:	3/28/2012 20:30:13
Receipt Date:	20120207
Manifest ID:	008719373JJK

PACIFIC AUTO CENTER (Continued) **S113143632**

Trans EPA ID:	CAR000159681
Trans Name:	WESTERN ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD099452708
Trans Name:	INDUSTRIAL SERVICE OIL COMPANY INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	0.323
Waste Quantity:	85
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

HWTS:

Name:	PACIFIC AUTO CENTER
Address:	16416 VALLEY BLVD
Address 2:	Not reported
City,State,Zip:	FONTANA, CA 92335
EPA ID:	CAL000309359
Inactive Date:	Not reported
Create Date:	07/21/2006
Last Act Date:	Not reported
Mailing Name:	Not reported
Mailing Address:	16416 VALLEY BLVD
Mailing Address 2:	Not reported
Mailing City,State,Zip:	FONTANA, CA 923356507
Owner Name:	HOSSEIN YAZDANI
Owner Address:	3131 MICHELSON DR UNIT 1406
Owner Address 2:	Not reported
Owner City,State,Zip:	IRVINE, CA 926120000
Contact Name:	IRAJ YAZDANI
Contact Address:	19779 KRAMERIA AVE
Contact Address 2:	Not reported
City,State,Zip:	RIVERSIDE, CA 92508
Facility Status:	Active
Facility Type:	PERMANENT
Category:	STATE
Latitude:	34.070413
Longitude:	-117.446147

NAICS:

EPA ID:	CAL000309359
Create Date:	2006-07-21 08:34:45.370
NAICS Code:	44111
NAICS Description:	New Car Dealers
Issued EPA ID Date:	2006-07-21 08:34:45.32300
Inactive Date:	Not reported
Facility Name:	PACIFIC AUTO CENTER
Facility Address:	16416 VALLEY BLVD

PACIFIC AUTO CENTER (Continued) **S113143632**

Facility Address 2:	Not reported
Facility City:	FONTANA
Facility County:	Not reported
Facility State:	CA
Facility Zip:	923356507

M45 **PACIFIC AUTO CENTER** **RCRA NonGen / NLR** **1024814510**
WNW **16416 VALLEY BLVD** **CAL000309359**
1/8-1/4 **FONTANA, CA 92335**
0.213 mi.
1125 ft. **Site 2 of 4 in cluster M**

Relative: **Higher**

Actual: **1115 ft.**

RCRA NonGen / NLR:

Date Form Received by Agency:		20060721
Handler Name:	PACIFIC AUTO CENTER	
Handler Address:		16416 VALLEY BLVD
Handler City,State,Zip:		FONTANA, CA 92335-6507
EPA ID:		CAL000309359
Contact Name:		IRAJ YAZDANI
Contact Address:		19779 KRAMERIA AVE
Contact City,State,Zip:		RIVERSIDE, CA 92508
Contact Telephone:		909-578-2469
Contact Fax:		909-429-0549
Contact Email:		PACFONTANA@GMAIL.COM
Contact Title:		Not reported
EPA Region:		09
Land Type:		Not reported
Federal Waste Generator Description:		Not a generator, verified
Non-Notifier:		Not reported
Biennial Report Cycle:		Not reported
Accessibility:		Not reported
Active Site Indicator:		Handler Activities
State District Owner:		Not reported
State District:		Not reported
Mailing Address:		16416 VALLEY BLVD
Mailing City,State,Zip:		FONTANA, CA 92335-6507
Owner Name:		HOSSEIN YAZDANI
Owner Type:		Other
Operator Name:		IRAJ YAZDANI
Operator Type:		Other
Short-Term Generator Activity:		No
Importer Activity:		No
Mixed Waste Generator:		No
Transporter Activity:		No
Transfer Facility Activity:		No
Recycler Activity with Storage:		No
Small Quantity On-Site Burner Exemption:		No
Smelting Melting and Refining Furnace Exemption:		No
Underground Injection Control:		No
Off-Site Waste Receipt:		No
Universal Waste Indicator:		Yes
Universal Waste Destination Facility:		Yes
Federal Universal Waste:		No
Active Site Fed-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site Converter Treatment storage and Disposal Facility:		Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site State-Reg Handler:		---

PACIFIC AUTO CENTER (Continued) **1024814510**

Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20180905
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name:	HOSSEIN YAZDANI
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	3131 MICHELSON DR UNIT 1406
Owner/Operator City,State,Zip:	IRVINE, CA 92612-0000
Owner/Operator Telephone:	949-701-8182
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator
Owner/Operator Name:	IRAJ YAZDANI
Legal Status:	Other
Date Became Current:	Not reported

PACIFIC AUTO CENTER (Continued) **1024814510**

Date Ended Current:	Not reported
Owner/Operator Address:	19779 KRAMERIA AVE
Owner/Operator City,State,Zip:	RIVERSIDE, CA 92508
Owner/Operator Telephone:	909-578-2469
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	20060721
Handler Name: PACIFIC AUTO CENTER	
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

List of NAICS Codes and Descriptions:

NAICS Code:	44111
NAICS Description:	NEW CAR DEALERS

Facility Has Received Notices of Violations:

Violations:	No Violations Found

Evaluation Action Summary:

Evaluations:	No Evaluations Found

M46 **PACIFIC AUTO CENTER** **HAULERS** **S107863388**
WNW **16416 VALLEY BLVD** **CERS HAZ WASTE** **N/A**
1/8-1/4 **FONTANA, CA 92335** **San Bern. Co. Permit**
0.213 mi. **CERS**
1125 ft. **Site 3 of 4 in cluster M**

Relative: **Higher**
Actual: **1115 ft.**

HAULERS:

Name:	PACIFIC AUTO CENTER, INC.
Address:	16416 VALLEY BOULEVARD
City,State,Zip:	FONTANA, CA 92335
Facility ID:	1849827
Facility Phone:	(909) 429-1100
Business Email Address:	Not reported
Contact Person:	Robert Morris
Mailing Address:	16416 Valley Boulevard
Mailing City:	Fontana
Mailing State:	CA
Mailing Zip:	92335
Mailing County:	San Bernardino
Mailing Phone:	(909) 587-5202
Current Status:	Active
Current Hauler Status:	Not reported
Accepting Tires From Public:	Not reported

PACIFIC AUTO CENTER (Continued) **S107863388**

Regulatory Status Last Changed: Not reported
Business Types: Not reported

CERS HAZ WASTE:
Name: PACIFIC AUTO CENTER
Address: 16416 VALLEY BLVD
City,State,Zip: FONTANA, CA 92335
Site ID: 54565
CERS ID: 10051105
CERS Description: Hazardous Waste Generator

San Bern. Co. Permit:
Name: PACIFIC AUTO CENTER
Address: 16416 VALLEY BLVD
City,State,Zip: FONTANA, CA 92335
Region: SAN BERNARDINO
Facility ID: FA0010358
Owner: PACIFIC AUTO CENTER
Permit Number: PT0040274
Permit Category: APSA 1,320-10,000 GAL FAC CAPACITY
Facility Status: ACTIVE
Expiration Date: 05/31/2022

Name: PACIFIC AUTO CENTER
Address: 16416 VALLEY BLVD
City,State,Zip: FONTANA, CA 92335
Region: SAN BERNARDINO
Facility ID: FA0010358
Owner: PACIFIC AUTO CENTER
Permit Number: PT0020298
Permit Category: HAZARDOUS MATERIALS 4-10 CHEMICALS
Facility Status: ACTIVE
Expiration Date: 05/31/2022

Name: PACIFIC AUTO CENTER
Address: 16416 VALLEY BLVD
City,State,Zip: FONTANA, CA 92335
Region: SAN BERNARDINO
Facility ID: FA0010358
Owner: PACIFIC AUTO CENTER
Permit Number: PT0017623
Permit Category: LARGE QUANTITY GENERATOR
Facility Status: ACTIVE
Expiration Date: 05/31/2022

Name: PACIFIC AUTO CENTER
Address: 16416 VALLEY BLVD
City,State,Zip: FONTANA, CA 92335
Region: SAN BERNARDINO
Facility ID: FA0010358
Owner: PACIFIC AUTO CENTER
Permit Number: PT0017622
Permit Category: HAZMAT HANDLER 11-25 EMPLOYEES (W/GEN PRMT)
Facility Status: INACTIVE
Expiration Date: 05/31/2009

PACIFIC AUTO CENTER (Continued) **S107863388**

CERS:
Name: PACIFIC AUTO CENTER
Address: 16416 VALLEY BLVD
City,State,Zip: FONTANA, CA 92335
Site ID: 54565
CERS ID: 10051105
CERS Description: Chemical Storage Facilities

Violations:
Site ID: 54565
Site Name: PACIFIC AUTO CENTER
Violation Date: 10-05-2017
Citation: HSC 6.5 Multiple - California Health and Safety Code, Chapter 6.5, Section(s) Multiple
Violation Description: Hazardous Waste Generator Program - Operations/Maintenance - General
Violation Notes: Returned to compliance on 09/09/2020. Failure to note accumulation start date on labels (CCR 66262.34(f)(2))
Violation Division: San Bernardino County Fire Department
Violation Program: HW
Violation Source: CERS,

Site ID: 54565
Site Name: PACIFIC AUTO CENTER
Violation Date: 09-09-2020
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description: Failure to annually review and electronically certify that the business plan is complete and accurate on or before the annual due date.
Violation Notes: Returned to compliance on 11/06/2020. OBSERVATION: The Hazardous Materials Business Plan was last certified via CERS on 1/5/2018. Your CERS ID number is 10051105. CORRECTIVE ACTION: Review and certify the facility business plan electronically via CERS.
Violation Division: San Bernardino County Fire Department
Violation Program: HMRRP
Violation Source: CERS,

Site ID: 54565
Site Name: PACIFIC AUTO CENTER
Violation Date: 03-14-2014
Citation: HSC 6.67 Multiple - California Health and Safety Code, Chapter 6.67, Section(s) Multiple
Violation Description: Haz Waste Generator Program - Operations/Maintenance - General
Violation Notes: Returned to compliance on 04/11/2014. Failure to label hazardous waste containers (CCR 66262.34(f)(3))
Violation Division: San Bernardino County Fire Department
Violation Program: HW
Violation Source: CERS,

Site ID: 54565
Site Name: PACIFIC AUTO CENTER
Violation Date: 09-09-2020
Citation: HSC 6.67 25270.6(b) - California Health and Safety Code, Chapter 6.67, Section(s) 25270.6(b)
Violation Description: Failure to pay the APSA Program fee.
Violation Notes: Returned to compliance on 08/27/2021. OBSERVATION: This facility was observed to store over 1,320 gallons of new and used petroleum and is

PACIFIC AUTO CENTER (Continued) **S107863388**

subject to Aboveground Petroleum Storage Act (APSA) Regulations. This facility has yet to obtain a CUPA APSA permit. CORRECTIVE ACTION: Pay all applicable fees upon receipt of invoice.

Violation Division: San Bernardino County Fire Department
Violation Program: APSA
Violation Source: CERS,

Site ID: 54565
Site Name: PACIFIC AUTO CENTER
Violation Date: 03-14-2014
Citation: 22 CCR 16 66266.130 - California Code of Regulations, Title 22, Chapter 16, Section(s) 66266.130
Violation Description: Failure to properly handle, manage, label, and recycle used oil and fuel filters.
Violation Notes: Returned to compliance on 04/11/2014.
Violation Division: San Bernardino County Fire Department
Violation Program: HW
Violation Source: CERS,

Site ID: 54565
Site Name: PACIFIC AUTO CENTER
Violation Date: 03-14-2014
Citation: HSC 6.95 25505(a) - California Health and Safety Code, Chapter 6.95, Section(s) 25505(a)
Violation Description: Owner/Operator failed to complete and/or submit a Hazardous Materials Business Plan when storing hazardous materials at or above the thresholds quantities of 55 gallons/500 lbs/200 cubic feet.
Violation Notes: Returned to compliance on 04/14/2014.
Violation Division: San Bernardino County Fire Department
Violation Program: HMRRP
Violation Source: CERS,

Site ID: 54565
Site Name: PACIFIC AUTO CENTER
Violation Date: 10-05-2017
Citation: HSC 6.5 Multiple - California Health and Safety Code, Chapter 6.5, Section(s) Multiple
Violation Description: Hazardous Waste Generator Program - Operations/Maintenance - General
Violation Notes: Returned to compliance on 09/09/2020. Failure to label hazardous waste containers (CCR 66262.34(f)(3))
Violation Division: San Bernardino County Fire Department
Violation Program: HW
Violation Source: CERS,

Site ID: 54565
Site Name: PACIFIC AUTO CENTER
Violation Date: 10-05-2017
Citation: HSC 6.5 Multiple - California Health and Safety Code, Chapter 6.5, Section(s) Multiple
Violation Description: Hazardous Waste Generator Program - Operations/Maintenance - General
Violation Notes: Returned to compliance on 09/09/2020. Failure to complete hazardous waste labels (CCR 66262.34(f)(3))
Violation Division: San Bernardino County Fire Department
Violation Program: HW
Violation Source: CERS,

Site ID: 54565

PACIFIC AUTO CENTER (Continued) **S107863388**

Site Name:	PACIFIC AUTO CENTER
Violation Date:	03-14-2014
Citation:	HSC 6.67 Multiple - California Health and Safety Code, Chapter 6.67, Section(s) Multiple
Violation Description:	Haz Waste Generator Program - Operations/Maintenance - General
Violation Notes:	Returned to compliance on 04/11/2014. Failure to keep hazardous waste containers closed when not in active use (CCR 66265.173(a))
Violation Division:	San Bernardino County Fire Department
Violation Program:	HW
Violation Source:	CERS,
Site ID:	54565
Site Name:	PACIFIC AUTO CENTER
Violation Date:	10-05-2017
Citation:	HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description:	Failure to annually review and electronically certify that the business plan is complete and accurate on or before the annual due date.
Violation Notes:	Returned to compliance on 01/05/2018.
Violation Division:	San Bernardino County Fire Department
Violation Program:	HMRRP
Violation Source:	CERS,
Site ID:	54565
Site Name:	PACIFIC AUTO CENTER
Violation Date:	09-09-2020
Citation:	HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description:	Failure to complete and electronically submit hazardous material inventory information for all reportable hazardous materials on site at or above reportable quantities.
Violation Notes:	Returned to compliance on 11/06/2020. OBSERVATION: Observed the following hazardous materials that were not disclosed on the hazardous materials inventory via CERS: (3) 55-gallon drums of waste coolant, (1) 55-gallon drum of waste gasoline/diesel mixture, (1) 55-gallon drum of used absorbent, (2) 55-gallon drums of used oil, (1) 220-gallon tank of used oil, and (1) 260-gallon tank of used oil. Also observed (9) 55-gallon drums of motor oil and (3) 220-gallon tanks of motor oil, that are disclosed on the hazardous materials inventory via CERS in the incorrect daily maximum quantity. CORRECTIVE ACTION: Update the hazardous materials inventory via CERS to reflect the inventory located on site.
Violation Division:	San Bernardino County Fire Department
Violation Program:	HMRRP
Violation Source:	CERS,
Site ID:	54565
Site Name:	PACIFIC AUTO CENTER
Violation Date:	09-09-2020
Citation:	HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description:	Failure to complete and electronically submit a site map with all required content.
Violation Notes:	Returned to compliance on 11/06/2020. OBSERVATION: The facility site map submitted via CERS on 1/5/2018, was unable to be reviewed as the link provided does not open to the site map. CORRECTIVE ACTION: Submit

PACIFIC AUTO CENTER (Continued) **S107863388**

	a complete copy of the facility site map containing all required elements via CERS.
Violation Division:	San Bernardino County Fire Department
Violation Program:	HMRRP
Violation Source:	CERS,
Site ID:	54565
Site Name:	PACIFIC AUTO CENTER
Violation Date:	10-05-2017
Citation:	HSC 6.5 Multiple - California Health and Safety Code, Chapter 6.5, Section(s) Multiple
Violation Description:	Hazardous Waste Generator Program - Operations/Maintenance - General
Violation Notes:	Returned to compliance on 09/09/2020. Failure to keep hazardous waste containers closed when not in active use (CCR 66265.173(a))
Violation Division:	San Bernardino County Fire Department
Violation Program:	HW
Violation Source:	CERS,
Site ID:	54565
Site Name:	PACIFIC AUTO CENTER
Violation Date:	03-14-2014
Citation:	HSC 6.67 Multiple - California Health and Safety Code, Chapter 6.67, Section(s) Multiple
Violation Description:	Haz Waste Generator Program - Operations/Maintenance - General
Violation Notes:	Returned to compliance on 04/11/2014. Hazardous waste accumulation time exceeded (CCR 66262.34(a))
Violation Division:	San Bernardino County Fire Department
Violation Program:	HW
Violation Source:	CERS,
Site ID:	54565
Site Name:	PACIFIC AUTO CENTER
Violation Date:	03-14-2014
Citation:	HSC 6.67 Multiple - California Health and Safety Code, Chapter 6.67, Section(s) Multiple
Violation Description:	Haz Waste Generator Program - Operations/Maintenance - General
Violation Notes:	Returned to compliance on 04/11/2014. Failure to manage hazardous waste lawfully (CHSC 25154)
Violation Division:	San Bernardino County Fire Department
Violation Program:	HW
Violation Source:	CERS,
Site ID:	54565
Site Name:	PACIFIC AUTO CENTER
Violation Date:	09-09-2020
Citation:	HSC 6.67 25270.4.5(a) - California Health and Safety Code, Chapter 6.67, Section(s) 25270.4.5(a)
Violation Description:	Failure to prepare a Spill Prevention, Control, and Countermeasures (SPCC) Plan.
Violation Notes:	OBSERVATION: This facility was observed to store over 1,320 gallons of new and used petroleum based products and has not prepared a Spill, Prevention, Control, and Countermeasures (SPCC) plan. CORRECTIVE ACTION: Prepare and SPCC plan and submit a signed statement to this Division indicating that an SPCC plan has been prepared.
Violation Division:	San Bernardino County Fire Department
Violation Program:	APSA
Violation Source:	CERS,

PACIFIC AUTO CENTER (Continued) **S107863388**

Evaluation:

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	03-14-2014
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	generator insp
Eval Division:	San Bernardino County Fire Department
Eval Program:	HW
Eval Source:	CERS,

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	09-09-2020
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Not reported
Eval Division:	San Bernardino County Fire Department
Eval Program:	HW
Eval Source:	CERS,

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	09-09-2020
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Not reported
Eval Division:	San Bernardino County Fire Department
Eval Program:	APSA
Eval Source:	CERS,

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	10-05-2017
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Not reported
Eval Division:	San Bernardino County Fire Department
Eval Program:	HMRRP
Eval Source:	CERS,

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	10-05-2017
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Not reported
Eval Division:	San Bernardino County Fire Department
Eval Program:	HW
Eval Source:	CERS,

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	03-14-2014
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	insp handler
Eval Division:	San Bernardino County Fire Department
Eval Program:	HMRRP
Eval Source:	CERS,

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	09-09-2020

PACIFIC AUTO CENTER (Continued) **S107863388**

Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Not reported
Eval Division:	San Bernardino County Fire Department
Eval Program:	HMRRP
Eval Source:	CERS,

Enforcement Action:

Site ID:	54565
Site Name:	PACIFIC AUTO CENTER
Site Address:	16416 VALLEY BLVD
Site City:	FONTANA
Site Zip:	92335
Enf Action Date:	03-14-2014
Enf Action Type:	Notice of Violation (Unified Program)
Enf Action Description:	Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes:	Not reported
Enf Action Division:	San Bernardino County Fire Department
Enf Action Program:	HMRRP
Enf Action Source:	CERS,

Site ID:	54565
Site Name:	PACIFIC AUTO CENTER
Site Address:	16416 VALLEY BLVD
Site City:	FONTANA
Site Zip:	92335
Enf Action Date:	03-14-2014
Enf Action Type:	Notice of Violation (Unified Program)
Enf Action Description:	Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes:	Not reported
Enf Action Division:	San Bernardino County Fire Department
Enf Action Program:	HW
Enf Action Source:	CERS,

Coordinates:

Site ID:	54565
Facility Name:	PACIFIC AUTO CENTER
Env Int Type Code:	HWG
Program ID:	10051105
Coord Name:	Not reported
Ref Point Type Desc:	Unknown,
Latitude:	34.071308
Longitude:	-117.446304

Affiliation:

Affiliation Type Desc:	Parent Corporation
Entity Name:	PACIFIC AUTO CENTER
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,

Affiliation Type Desc:	Environmental Contact

PACIFIC AUTO CENTER (Continued) **S107863388**

Entity Name:	Robert Morris
Entity Title:	Not reported
Affiliation Address:	3131 MICHELSON #1406
Affiliation City:	IRVINE
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	92612
Affiliation Phone:	,
Affiliation Type Desc:	Legal Owner
Entity Name:	PACIFIC AUTO CENTER
Entity Title:	Not reported
Affiliation Address:	16416 VALLEY BLVD
Affiliation City:	FONTANA
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	92335
Affiliation Phone:	(909) 429-1100,
Affiliation Type Desc:	Facility Mailing Address
Entity Name:	Mailing Address
Entity Title:	Not reported
Affiliation Address:	16416 VALLEY BLVD
Affiliation City:	FONTANA
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	92335
Affiliation Phone:	,
Affiliation Type Desc:	CUPA District
Entity Name:	San Bernardino County Fire
Entity Title:	Not reported
Affiliation Address:	620 South E Street
Affiliation City:	San Bernardino
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	92415-0153
Affiliation Phone:	(909) 386-8401,
Affiliation Type Desc:	Document Preparer
Entity Name:	Andrew Smith, Western EHS Service, Inc.
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,
Affiliation Type Desc:	Identification Signer
Entity Name:	Robert Morris
Entity Title:	Manager
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported

PACIFIC AUTO CENTER (Continued) **S107863388**

Affiliation Phone:	,
Affiliation Type Desc:	Operator
Entity Name:	PACIFIC AUTO CENTER
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	(949) 701-8182,

J47 **BIG 5 SPORTING GOODS #146** **RCRA NonGen / NLR** **1024851597**
ENE **16873 VALLEY BLVD** **CAL000410191**
1/8-1/4 **FONTANA, CA 92335**
0.217 mi.
1146 ft. **Site 8 of 14 in cluster J**

Relative: **Higher**

Actual: **1123 ft.**

RCRA NonGen / NLR:

Date Form Received by Agency:	20150915
Handler Name:	BIG 5 SPORTING GOODS #146
Handler Address:	16873 VALLEY BLVD
Handler City,State,Zip:	FONTANA, CA 92335
EPA ID:	CAL000410191
Contact Name:	ROGER TANAKA EXT 5523
Contact Address:	2525 E EL SEGUNDO BLVD
Contact City,State,Zip:	EL SEGUNDO, CA 90245
Contact Telephone:	310-536-0611
Contact Fax:	Not reported
Contact Email:	ASHLEY.CAMPBELL@STERICYCLE.COM
Contact Title:	Not reported
EPA Region:	09
Land Type:	Not reported
Federal Waste Generator Description:	Not a generator, verified
Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Handler Activities
State District Owner:	Not reported
State District:	Not reported
Mailing Address:	2525 E EL SEGUNDO BLVD
Mailing City,State,Zip:	EL SEGUNDO, CA 90245
Owner Name:	BIG 5 CORP
Owner Type:	Other
Operator Name:	ROGER TANAKA EXT 5523
Operator Type:	Other
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	Yes

BIG 5 SPORTING GOODS #146 (Continued) **1024851597**

Universal Waste Destination Facility:	Yes
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20180906
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name:	BIG 5 CORP
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	2525 E EL SEGUNDO BLVD
Owner/Operator City,State,Zip:	EL SEGUNDO, CA 90245
Owner/Operator Telephone:	310-536-0611
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported

BIG 5 SPORTING GOODS #146 (Continued) **1024851597**

Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator
Owner/Operator Name: ROGER TANAKA EXT 5523
Legal Status: Other
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: 2525 E EL SEGUNDO BLVD
Owner/Operator City,State,Zip: EL SEGUNDO, CA 90245
Owner/Operator Telephone: 310-536-0611
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Historic Generators:
Receive Date: 20150915
Handler Name: BIG 5 SPORTING GOODS #146
Federal Waste Generator Description: Not a generator, verified
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Code: 45111
NAICS Description: SPORTING GOODS STORES

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

J48 **BIG 5 SPORTING GOODS #146** **HAZNET** **S121019677**
ENE **16873 VALLEY BLVD** **San Bern. Co. Permit** **N/A**
1/8-1/4 **FONTANA, CA 92335** **HWTS**
0.217 mi.
1146 ft. **Site 9 of 14 in cluster J**

Relative:
Higher

Actual:
1123 ft.

HAZNET:
Name: BIG 5 SPORTING GOODS #146
Address: 16873 VALLEY BLVD
Address 2: Not reported
City,State,Zip: FONTANA, CA 90245
Contact: ROGER TANAKA EXT 5523
Telephone: 3105360611
Mailing Name: Not reported
Mailing Address: 2525 E EL SEGUNDO BLVD

Year: 2019

BIG 5 SPORTING GOODS #146 (Continued) **S121019677**

Gepaid: CAL000410191
TSD EPA ID: CAD008364432
CA Waste Code: 181 - Other inorganic solid waste
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.00400

Year: 2017
Gepaid: CAL000410191
TSD EPA ID: CAD008364432
CA Waste Code: 331 - Off-specification, aged or surplus organics
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.0025

Year: 2017
Gepaid: CAL000410191
TSD EPA ID: CAD008364432
CA Waste Code: 122 - Alkaline solution without metals pH >= 12.5
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.001

Year: 2016
Gepaid: CAL000410191
TSD EPA ID: CAD008364432
CA Waste Code: 122 - Alkaline solution without metals pH >= 12.5
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.0005

Year: 2016
Gepaid: CAL000410191
TSD EPA ID: CAD980884183
CA Waste Code: 352 - Other organic solids
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.004

Additional Info:
Year: 2017
Gen EPA ID: CAL000410191

Shipment Date: 20171204
Creation Date: 6/13/2018 18:30:46
Receipt Date: 20171213
Manifest ID: 010801162FLE
Trans EPA ID: MNS000110924
Trans Name: STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID: CAR000217554
Trans 2 Name: CRUZ CONTAINERS LOGISTICS INC
TSDF EPA ID: CAD008364432
Trans Name: RHO CHEM LLC
TSDF Alt EPA ID: Not reported
TSDF Alt Name: Not reported
Waste Code Description: 331 - Off-specification, aged, or surplus organics

BIG 5 SPORTING GOODS #146 (Continued) **S121019677**

RCRA Code:	D001
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0005
Waste Quantity:	1
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20171204
Creation Date:	6/13/2018 18:30:46
Receipt Date:	20171213
Manifest ID:	010801162FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	CAR000217554
Trans 2 Name:	CRUZ CONTAINERS LOGISTICS INC
TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	331 - Off-specification, aged, or surplus organics
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.002
Waste Quantity:	4
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20171204
Creation Date:	6/13/2018 18:30:46
Receipt Date:	20171213
Manifest ID:	010801162FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	CAR000217554
Trans 2 Name:	CRUZ CONTAINERS LOGISTICS INC
TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	122 - Alkaline solution without metals (pH > 12.5
RCRA Code:	D002
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0005
Waste Quantity:	1
Quantity Unit:	P
Additional Code 1:	Not reported

BIG 5 SPORTING GOODS #146 (Continued) **S121019677**

Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20170612
Creation Date:	5/20/2018 18:32:00
Receipt Date:	20170614
Manifest ID:	010205045FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	CAR000217000
Trans 2 Name:	LA CHIQUITA TRUCKING
TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	122 - Alkaline solution without metals (pH > 12.5
RCRA Code:	D002
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0005
Waste Quantity:	1
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

San Bern. Co. Permit:

Name:	BIG 5 SPORTING GOODS #146
Address:	16873 VALLEY BLVD
City,State,Zip:	FONTANA, CA 92335
Region:	SAN BERNARDINO
Facility ID:	FA0011981
Owner:	BIG 5 SPORTING GOODS CORPORATION
Permit Number:	PT0041282
Permit Category:	CONDITIONALLY EXEMPT SM QTY GENERATOR SPECIAL
Facility Status:	ACTIVE
Expiration Date:	08/31/2022

HWTS:

Name:	BIG 5 SPORTING GOODS #146
Address:	16873 VALLEY BLVD
Address 2:	Not reported
City,State,Zip:	FONTANA, CA 92335
EPA ID:	CAL000410191
Inactive Date:	Not reported
Create Date:	09/15/2015
Last Act Date:	Not reported
Mailing Name:	Not reported
Mailing Address:	2525 E EL SEGUNDO BLVD
Mailing Address 2:	Not reported
Mailing City,State,Zip:	EL SEGUNDO, CA 90245
Owner Name:	BIG 5 CORP

BIG 5 SPORTING GOODS #146 (Continued) **S121019677**

Owner Address:	2525 E EL SEGUNDO BLVD
Owner Address 2:	Not reported
Owner City,State,Zip:	EL SEGUNDO, CA 90245
Contact Name:	ROGER TANAKA EXT 5523
Contact Address:	2525 E EL SEGUNDO BLVD
Contact Address 2:	Not reported
City,State,Zip:	EL SEGUNDO, CA 90245
Facility Status:	Active
Facility Type:	PERMANENT
Category:	STATE
Latitude:	34.07023183
Longitude:	-117.4361541

NAICS:

EPA ID:	CAL000410191
Create Date:	2015-09-15 08:51:39.887
NAICS Code:	45111
NAICS Description:	Sporting Goods Stores
Issued EPA ID Date:	2015-09-15 08:51:39.88700
Inactive Date:	Not reported
Facility Name:	BIG 5 SPORTING GOODS #146
Facility Address:	16873 VALLEY BLVD
Facility Address 2:	Not reported
Facility City:	FONTANA
Facility County:	Not reported
Facility State:	CA
Facility Zip:	92335

N49 **WESTERN DENTAL** **CERS HAZ WASTE** **S113082208**
East **10144 SIERRA AVE** **HAZNET** **N/A**
1/8-1/4 **FONTANA, CA 92335** **San Bern. Co. Permit**
0.218 mi. **CERS**
1149 ft. **Site 1 of 2 in cluster N** **HWTS**

Relative:
Higher

Actual:
1120 ft.

CERS HAZ WASTE:

Name:	WESTERN DENTAL
Address:	10144 SIERRA AVE
City,State,Zip:	FONTANA, CA 92335
Site ID:	85532
CERS ID:	10456945
CERS Description:	Hazardous Waste Generator

HAZNET:

Name:	WESTERN DENTAL SERVICES, INC.
Address:	10144 SIERRA AVE
Address 2:	Not reported
City,State,Zip:	FONTANA, CA 923350000
Contact:	Yen Lam
Telephone:	7145712189
Mailing Name:	Not reported
Mailing Address:	530 S MAIN STREET
Year:	2013
Gepaid:	CAL000149158
TSD EPA ID:	CAD008252405
CA Waste Code:	352 - Other organic solids
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No

WESTERN DENTAL (Continued) **S113082208**

	Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.0225
Year:	2012
Gepaid:	CAL000149158
TSD EPA ID:	CAD044429835
CA Waste Code:	343 - Unspecified organic liquid mixture
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.017
Year:	2011
Gepaid:	CAL000149158
TSD EPA ID:	CAD044429835
CA Waste Code:	343 - Unspecified organic liquid mixture
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.051
Year:	2010
Gepaid:	CAL000149158
TSD EPA ID:	CAD044429835
CA Waste Code:	343 - Unspecified organic liquid mixture
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.119
Year:	2009
Gepaid:	CAL000149158
TSD EPA ID:	CAD044429835
CA Waste Code:	343 - Unspecified organic liquid mixture
Disposal Method:	-
Tons:	Not reported
Year:	2009
Gepaid:	CAL000149158
TSD EPA ID:	CAD044429835
CA Waste Code:	723 - Liquids with chromium (VI) >= 500 Mg./L
Disposal Method:	-
Tons:	Not reported
Year:	2009
Gepaid:	CAL000149158
TSD EPA ID:	CAD044429835
CA Waste Code:	223 - Unspecified oil-containing waste
Disposal Method:	-
Tons:	Not reported
Year:	2009
Gepaid:	CAL000149158
TSD EPA ID:	CAD028409019
CA Waste Code:	723 - Liquids with chromium (VI) >= 500 Mg./L
Disposal Method:	-
Tons:	Not reported
Year:	2009
Gepaid:	CAL000149158

WESTERN DENTAL (Continued) **S113082208**

TSD EPA ID: CAD028409019
CA Waste Code: 223 - Unspecified oil-containing waste
Disposal Method: -
Tons: Not reported

Year: 2009
Gepaid: CAL000149158
TSD EPA ID: CAD028409019
CA Waste Code: 135 - Unspecified aqueous solution
Disposal Method: -
Tons: Not reported

Click this hyperlink while viewing on your computer to access
43 additional CA HAZNET: record(s) in the EDR Site Report.

Additional Info:
Year: 1996
Gen EPA ID: CAL000149158

Shipment Date: 19961227
Creation Date: 6/26/1997 0:00:00
Receipt Date: 19970103
Manifest ID: 96517558
Trans EPA ID: CAD020763751
Trans Name: Not reported
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDF EPA ID: CAT080022148
Trans Name: Not reported
TSDF Alt EPA ID: CAT080022148
TSDF Alt Name: Not reported
Waste Code Description: 181 - Other inorganic solid waste Organics
RCRA Code: D009
Meth Code: H01 - Transfer Station
Quantity Tons: 0.0042
Waste Quantity: 0.005
Quantity Unit: Y
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Shipment Date: 19961227
Creation Date: 5/20/1997 0:00:00
Receipt Date: 19961231
Manifest ID: 95933655
Trans EPA ID: CAD020763751
Trans Name: Not reported
Trans 2 EPA ID: CAD982433575
Trans 2 Name: Not reported
TSDF EPA ID: CAD981402522
Trans Name: Not reported
TSDF Alt EPA ID: Not reported
TSDF Alt Name: Not reported
Waste Code Description: 541 - Photochemicals / photo processing waste

WESTERN DENTAL (Continued) **S113082208**

RCRA Code:	D011
Meth Code:	R01 - Recycler
Quantity Tons:	0.075
Waste Quantity:	18
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19961105
Creation Date:	5/21/1997 0:00:00
Receipt Date:	19961108
Manifest ID:	96517727
Trans EPA ID:	CAD020763751
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD000088252
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	343 - Unspecified organic liquid mixture
RCRA Code:	D001
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.0068
Waste Quantity:	2
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19961008
Creation Date:	6/26/1997 0:00:00
Receipt Date:	19961011
Manifest ID:	96517506
Trans EPA ID:	CAD020763751
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD000088252
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD000088252
TSDF Alt Name:	Not reported
Waste Code Description:	343 - Unspecified organic liquid mixture
RCRA Code:	D001
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.0068
Waste Quantity:	2
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported

WESTERN DENTAL (Continued) **S113082208**

Additional Code 5:	Not reported
Shipment Date:	19960830
Creation Date:	5/30/1997 0:00:00
Receipt Date:	19960903
Manifest ID:	96517421
Trans EPA ID:	CAD020763751
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD000088252
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	343 - Unspecified organic liquid mixture
RCRA Code:	D001
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.0034
Waste Quantity:	1
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19960723
Creation Date:	5/20/1997 0:00:00
Receipt Date:	19960729
Manifest ID:	96220315
Trans EPA ID:	CAD020763751
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080022148
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	181 - Other inorganic solid waste Organics
RCRA Code:	D009
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.0012
Waste Quantity:	0.0015
Quantity Unit:	Y
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19960723
Creation Date:	5/20/1997 0:00:00
Receipt Date:	19960729
Manifest ID:	96220331
Trans EPA ID:	CAD020763751
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported

WESTERN DENTAL (Continued) **S113082208**

Trans 2 Name:	Not reported
TSDF EPA ID:	CAD000088252
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	343 - Unspecified organic liquid mixture
RCRA Code:	D001
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.0102
Waste Quantity:	3
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	19960510
Creation Date:	10/29/1996 0:00:00
Receipt Date:	19960514
Manifest ID:	96219944
Trans EPA ID:	CAD020763751
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD000088252
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	343 - Unspecified organic liquid mixture
RCRA Code:	D001
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.0068
Waste Quantity:	2
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	19960326
Creation Date:	10/16/1996 0:00:00
Receipt Date:	19960329
Manifest ID:	96219620
Trans EPA ID:	CAD020763751
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD000088252
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD000088252
TSDF Alt Name:	Not reported
Waste Code Description:	343 - Unspecified organic liquid mixture
RCRA Code:	D001
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.0102

WESTERN DENTAL (Continued) **S113082208**

Waste Quantity:	3
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19960202
Creation Date:	10/10/1996 0:00:00
Receipt Date:	19960209
Manifest ID:	95936563
Trans EPA ID:	CAD020763751
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD000088252
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD000088252
TSDF Alt Name:	Not reported
Waste Code Description:	343 - Unspecified organic liquid mixture
RCRA Code:	D001
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.017
Waste Quantity:	5
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2003
Gen EPA ID:	CAL000149158
Shipment Date:	20031126
Creation Date:	8/9/2004 8:46:56
Receipt Date:	20031201
Manifest ID:	22866788
Trans EPA ID:	CAL000827859
Trans Name:	ETS-DIVISION OF STERICYCLE INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAL000175030
Trans Name:	ECO SOLUTIONS A DIVISION OF STERICYCLE INC
TSDF Alt EPA ID:	CAL000175030
TSDF Alt Name:	Not reported
Waste Code Description:	212 - Oxygenated solvents (acetone, butanol, ethyl acetate, etc.
RCRA Code:	D001
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.0165
Waste Quantity:	5
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported

WESTERN DENTAL (Continued) **S113082208**

Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20031126
Creation Date:	8/9/2004 8:46:56
Receipt Date:	20031201
Manifest ID:	22866788
Trans EPA ID:	CAL000827859
Trans Name:	ETS-DIVISION OF STERICYCLE INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAL000175030
Trans Name:	ECO SOLUTIONS A DIVISION OF STERICYCLE INC
TSDF Alt EPA ID:	CAL000175030
TSDF Alt Name:	Not reported
Waste Code Description:	181 - Other inorganic solid waste Organics
RCRA Code:	D009
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.02085
Waste Quantity:	5
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20030807
Creation Date:	7/28/2004 10:46:45
Receipt Date:	20030811
Manifest ID:	22866477
Trans EPA ID:	CAL000827859
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAL000212588
Trans Name:	Not reported
TSDF Alt EPA ID:	CAL000212588
TSDF Alt Name:	Not reported
Waste Code Description:	181 - Other inorganic solid waste Organics
RCRA Code:	D009
Meth Code:	R01 - Recycler
Quantity Tons:	0.00052
Waste Quantity:	0.125
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20030807
Creation Date:	7/28/2004 10:46:45
Receipt Date:	20030811
Manifest ID:	22866477
Trans EPA ID:	CAL000827859
Trans Name:	Not reported

WESTERN DENTAL (Continued) **S113082208**

Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAL000212588
Trans Name:	Not reported
TSDF Alt EPA ID:	CAL000212588
TSDF Alt Name:	Not reported
Waste Code Description:	212 - Oxygenated solvents (acetone, butanol, ethyl acetate, etc.
RCRA Code:	D001
Meth Code:	T01 - Treatment, Tank
Quantity Tons:	0.0165
Waste Quantity:	5
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20030514
Creation Date:	6/23/2004 9:59:25
Receipt Date:	20030519
Manifest ID:	22158267
Trans EPA ID:	CAL000827859
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAL000212588
Trans Name:	Not reported
TSDF Alt EPA ID:	CAL000212588
TSDF Alt Name:	Not reported
Waste Code Description:	212 - Oxygenated solvents (acetone, butanol, ethyl acetate, etc.
RCRA Code:	D001
Meth Code:	- Not reported
Quantity Tons:	0.0132
Waste Quantity:	4
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20030319
Creation Date:	6/25/2003 18:30:52
Receipt Date:	20030324
Manifest ID:	22158013
Trans EPA ID:	CAL000827859
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAL000212588
Trans Name:	Not reported
TSDF Alt EPA ID:	CAL000212588
TSDF Alt Name:	Not reported
Waste Code Description:	212 - Oxygenated solvents (acetone, butanol, ethyl acetate, etc.
RCRA Code:	D001
Meth Code:	- Not reported

WESTERN DENTAL (Continued) **S113082208**

Quantity Tons:	0.00165
Waste Quantity:	0.5
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20030319
Creation Date:	6/25/2003 18:30:52
Receipt Date:	20030324
Manifest ID:	22158013
Trans EPA ID:	CAL000827859
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAL000212588
Trans Name:	Not reported
TSDF Alt EPA ID:	CAL000212588
TSDF Alt Name:	Not reported
Waste Code Description:	181 - Other inorganic solid waste Organics
RCRA Code:	D009
Meth Code:	- Not reported
Quantity Tons:	0.00104
Waste Quantity:	0.25
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2001
Gen EPA ID:	CAL000149158
Shipment Date:	20011227
Creation Date:	2/20/2002 0:00:00
Receipt Date:	20020103
Manifest ID:	21143929
Trans EPA ID:	CAL000827859
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAL000212588
Trans Name:	Not reported
TSDF Alt EPA ID:	CAL000212588
TSDF Alt Name:	Not reported
Waste Code Description:	212 - Oxygenated solvents (acetone, butanol, ethyl acetate, etc.
RCRA Code:	D001
Meth Code:	- Not reported
Quantity Tons:	0.0165
Waste Quantity:	5
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported

WESTERN DENTAL (Continued) **S113082208**

Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20011008
Creation Date:	1/16/2002 0:00:00
Receipt Date:	20011016
Manifest ID:	21143605
Trans EPA ID:	CAL000827859
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAL000212588
Trans Name:	Not reported
TSDF Alt EPA ID:	CAL000212588
TSDF Alt Name:	Not reported
Waste Code Description:	212 - Oxygenated solvents (acetone, butanol, ethyl acetate, etc.
RCRA Code:	D001
Meth Code:	- Not reported
Quantity Tons:	0.0099
Waste Quantity:	3
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20010809
Creation Date:	10/3/2001 0:00:00
Receipt Date:	20010817
Manifest ID:	21143289
Trans EPA ID:	CAL000827859
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAL000212588
Trans Name:	Not reported
TSDF Alt EPA ID:	CAL000212588
TSDF Alt Name:	Not reported
Waste Code Description:	212 - Oxygenated solvents (acetone, butanol, ethyl acetate, etc.
RCRA Code:	D001
Meth Code:	- Not reported
Quantity Tons:	0.0165
Waste Quantity:	5
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20010612
Creation Date:	8/24/2001 0:00:00
Receipt Date:	20010615
Manifest ID:	20824206
Trans EPA ID:	CAL000827859

WESTERN DENTAL (Continued) **S113082208**

Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD028409019
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD028409019
TSDF Alt Name:	Not reported
Waste Code Description:	181 - Other inorganic solid waste Organics
RCRA Code:	D009
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.0009
Waste Quantity:	0.225
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20010321
Creation Date:	5/31/2001 0:00:00
Receipt Date:	20010323
Manifest ID:	20824706
Trans EPA ID:	CAL000827859
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD028409019
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD028409019
TSDF Alt Name:	Not reported
Waste Code Description:	212 - Oxygenated solvents (acetone, butanol, ethyl acetate, etc.
RCRA Code:	D001
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.0132
Waste Quantity:	4
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20010124
Creation Date:	4/9/2001 0:00:00
Receipt Date:	20010126
Manifest ID:	20147509
Trans EPA ID:	CAL000827859
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD028409019
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD028409019
TSDF Alt Name:	Not reported
Waste Code Description:	212 - Oxygenated solvents (acetone, butanol, ethyl acetate, etc.
RCRA Code:	D001

WESTERN DENTAL (Continued) **S113082208**

Meth Code:	H01 - Transfer Station
Quantity Tons:	0.0132
Waste Quantity:	4
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2000
Gen EPA ID:	CAL000149158
Shipment Date:	20001127
Creation Date:	1/12/2001 0:00:00
Receipt Date:	20001201
Manifest ID:	20147379
Trans EPA ID:	CAL000827859
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD028409019
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD028409019
TSDF Alt Name:	Not reported
Waste Code Description:	212 - Oxygenated solvents (acetone, butanol, ethyl acetate, etc.
RCRA Code:	D001
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.0132
Waste Quantity:	4
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20000906
Creation Date:	10/30/2000 0:00:00
Receipt Date:	20000908
Manifest ID:	20148718
Trans EPA ID:	CAL000827859
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD028409019
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD028409019
TSDF Alt Name:	Not reported
Waste Code Description:	212 - Oxygenated solvents (acetone, butanol, ethyl acetate, etc.
RCRA Code:	D001
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.0132
Waste Quantity:	4
Quantity Unit:	G
Additional Code 1:	Not reported

WESTERN DENTAL (Continued) **S113082208**

Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20000815
Creation Date:	10/23/2000 0:00:00
Receipt Date:	20000818
Manifest ID:	20148556
Trans EPA ID:	CAL000827859
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD028409019
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD028409019
TSDF Alt Name:	Not reported
Waste Code Description:	181 - Other inorganic solid waste Organics
RCRA Code:	D009
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.001
Waste Quantity:	0.25
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20000620
Creation Date:	8/28/2000 0:00:00
Receipt Date:	20000623
Manifest ID:	99699511
Trans EPA ID:	CAL000190216
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD028409019
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD028409019
TSDF Alt Name:	Not reported
Waste Code Description:	212 - Oxygenated solvents (acetone, butanol, ethyl acetate, etc.
RCRA Code:	D001
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.0165
Waste Quantity:	5
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20000320
Creation Date:	6/13/2000 0:00:00
Receipt Date:	20000324
Manifest ID:	99699239

WESTERN DENTAL (Continued) **S113082208**

Trans EPA ID:	CAL000190216
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD028409019
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD028409019
TSDF Alt Name:	Not reported
Waste Code Description:	212 - Oxygenated solvents (acetone, butanol, ethyl acetate, etc.
RCRA Code:	D001
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.0165
Waste Quantity:	5
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2006
Gen EPA ID:	CAL000149158
Shipment Date:	20060705
Creation Date:	9/8/2006 18:31:20
Receipt Date:	20060710
Manifest ID:	24427277
Trans EPA ID:	CAL000827859
Trans Name:	ETS A DVISION OF STERICYLE INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAL000175030
Trans Name:	ECO SOLUTIONS A DIVISION OF STERICYCLE INC
TSDF Alt EPA ID:	CAL000175030
TSDF Alt Name:	Not reported
Waste Code Description:	212 - Oxygenated solvents (acetone, butanol, ethyl acetate, etc.
RCRA Code:	D001
Meth Code:	- Not reported
Quantity Tons:	0.0165
Waste Quantity:	5
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20060316
Creation Date:	7/14/2006 18:30:33
Receipt Date:	20060320
Manifest ID:	24427319
Trans EPA ID:	CAL000827859
Trans Name:	ETS A DVISION OF STERICYLE INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAL000175030

WESTERN DENTAL (Continued) **S113082208**

Trans Name:	ECO SOLUTIONS A DIVISION OF STERICYCLE INC
TSDF Alt EPA ID:	CAL000175030
TSDF Alt Name:	Not reported
Waste Code Description:	212 - Oxygenated solvents (acetone, butanol, ethyl acetate, etc.
RCRA Code:	D001
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.0165
Waste Quantity:	5
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20060316
Creation Date:	7/14/2006 18:30:33
Receipt Date:	20060320
Manifest ID:	24427319
Trans EPA ID:	CAL000827859
Trans Name:	ETS A DVISION OF STERICYLE INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAL000175030
Trans Name:	ECO SOLUTIONS A DIVISION OF STERICYCLE INC
TSDF Alt EPA ID:	CAL000175030
TSDF Alt Name:	Not reported
Waste Code Description:	223 - Unspecified oil-containing waste
RCRA Code:	Not reported
Meth Code:	- Not reported
Quantity Tons:	0.00417
Waste Quantity:	1
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2005
Gen EPA ID:	CAL000149158

Shipment Date:	20051026
Creation Date:	7/12/2006 18:31:35
Receipt Date:	20051031
Manifest ID:	24429054
Trans EPA ID:	CAL000827859
Trans Name:	ETS A DVISION OF STERICYLE IN
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAL000175030
Trans Name:	ECO SOLUTIONS A DIVISION OF STERICYCLE INC
TSDF Alt EPA ID:	CAL000175030
TSDF Alt Name:	Not reported
Waste Code Description:	212 - Oxygenated solvents (acetone, butanol, ethyl acetate, etc.
RCRA Code:	D001

WESTERN DENTAL (Continued) **S113082208**

Meth Code:	H01 - Transfer Station
Quantity Tons:	0.0165
Waste Quantity:	5
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20050707
Creation Date:	10/12/2005 18:35:03
Receipt Date:	20050711
Manifest ID:	24283924
Trans EPA ID:	CAL000827859
Trans Name:	ETS A DVISION OF STERICYLE IN
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAL000175030
Trans Name:	ECO SOLUTIONS A DIVISION OF STERICYCLE INC
TSDF Alt EPA ID:	CAL000175030
TSDF Alt Name:	Not reported
Waste Code Description:	212 - Oxygenated solvents (acetone, butanol, ethyl acetate, etc.
RCRA Code:	D001
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.0132
Waste Quantity:	4
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20050316
Creation Date:	5/29/2005 18:31:56
Receipt Date:	20050321
Manifest ID:	24428840
Trans EPA ID:	CAL000827859
Trans Name:	ETS A DVISION OF STERICYLE IN
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAL000175030
Trans Name:	ECO SOLUTIONS A DIVISION OF STERICYCLE INC
TSDF Alt EPA ID:	CAL000175030
TSDF Alt Name:	Not reported
Waste Code Description:	212 - Oxygenated solvents (acetone, butanol, ethyl acetate, etc.
RCRA Code:	D001
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.0165
Waste Quantity:	5
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

WESTERN DENTAL (Continued) **S113082208**

Additional Info:

Year:	1997
Gen EPA ID:	CAL000149158
Shipment Date:	19971206
Creation Date:	7/23/1998 0:00:00
Receipt Date:	19971212
Manifest ID:	96799868
Trans EPA ID:	CAD020763751
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD050806850
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD050806850
TSDF Alt Name:	Not reported
Waste Code Description:	725 - Liquids with mercury > 20 mg/l
RCRA Code:	D009
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.0008
Waste Quantity:	0.2
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19971113
Creation Date:	7/23/1998 0:00:00
Receipt Date:	19971119
Manifest ID:	96769587
Trans EPA ID:	CAD020763751
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD000088252
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD000088252
TSDF Alt Name:	Not reported
Waste Code Description:	212 - Oxygenated solvents (acetone, butanol, ethyl acetate, etc.
RCRA Code:	D001
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.01485
Waste Quantity:	4.5
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19970906
Creation Date:	7/23/1998 0:00:00
Receipt Date:	19970912
Manifest ID:	96800129
Trans EPA ID:	CAD020763751

WESTERN DENTAL (Continued) **S113082208**

Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD000088252
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD000088252
TSDF Alt Name:	Not reported
Waste Code Description:	343 - Unspecified organic liquid mixture
RCRA Code:	D001
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.0068
Waste Quantity:	2
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	19970812
Creation Date:	12/11/1997 0:00:00
Receipt Date:	19970815
Manifest ID:	96800051
Trans EPA ID:	CAD020763751
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD000088252
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	343 - Unspecified organic liquid mixture
RCRA Code:	D001
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.0068
Waste Quantity:	2
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	19970630
Creation Date:	12/4/1997 0:00:00
Receipt Date:	19970703
Manifest ID:	96865351
Trans EPA ID:	CAD020763751
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD000088252
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	343 - Unspecified organic liquid mixture
RCRA Code:	D001

WESTERN DENTAL (Continued) **S113082208**

Meth Code:	H01 - Transfer Station
Quantity Tons:	0.0034
Waste Quantity:	1
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19970610
Creation Date:	12/4/1997 0:00:00
Receipt Date:	19970613
Manifest ID:	96866302
Trans EPA ID:	CAD020763751
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD000088252
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	213 - Hydrocarbon solvents (benzene, hexane, Stoddard, etc.
RCRA Code:	D001
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.0125
Waste Quantity:	3
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19970423
Creation Date:	6/26/1997 0:00:00
Receipt Date:	19970425
Manifest ID:	96647447
Trans EPA ID:	CAD020763751
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD000088252
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	343 - Unspecified organic liquid mixture
RCRA Code:	D001
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.017
Waste Quantity:	5
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

WESTERN DENTAL (Continued) **S113082208**

Shipment Date:	19970307
Creation Date:	6/26/1997 0:00:00
Receipt Date:	19970314
Manifest ID:	96647267
Trans EPA ID:	CAD020763751
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD000088252
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD000088252
TSDF Alt Name:	Not reported
Waste Code Description:	343 - Unspecified organic liquid mixture
RCRA Code:	D001
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.0102
Waste Quantity:	3
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	19970128
Creation Date:	5/30/1997 0:00:00
Receipt Date:	19970131
Manifest ID:	96647617
Trans EPA ID:	CAD020763751
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD000088252
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	343 - Unspecified organic liquid mixture
RCRA Code:	D001
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.0068
Waste Quantity:	2
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	1994
Gen EPA ID:	CAL000149158

Shipment Date:	19941206
Creation Date:	3/28/1996 0:00:00
Receipt Date:	19941207
Manifest ID:	93568560
Trans EPA ID:	CAD020763751

WESTERN DENTAL (Continued) **S113082208**

Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD982524613
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	541 - Photochemicals / photo processing waste
RCRA Code:	D011
Meth Code:	- Not reported
Quantity Tons:	0.025
Waste Quantity:	6
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	19941206
Creation Date:	3/28/1996 0:00:00
Receipt Date:	19941207
Manifest ID:	93387581
Trans EPA ID:	CAD020763751
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD097854541
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	181 - Other inorganic solid waste Organics
RCRA Code:	D008
Meth Code:	R01 - Recycler
Quantity Tons:	0.015
Waste Quantity:	30
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	19941107
Creation Date:	3/28/1996 0:00:00
Receipt Date:	19941111
Manifest ID:	93568414
Trans EPA ID:	CAD020763751
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD982524613
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	541 - Photochemicals / photo processing waste
RCRA Code:	D011

WESTERN DENTAL (Continued) **S113082208**

Meth Code:	- Not reported
Quantity Tons:	0.025
Waste Quantity:	6
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19940928
Creation Date:	10/17/1995 0:00:00
Receipt Date:	19940930
Manifest ID:	93568016
Trans EPA ID:	CAD020763751
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD982524613
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	541 - Photochemicals / photo processing waste
RCRA Code:	D011
Meth Code:	- Not reported
Quantity Tons:	0.0333
Waste Quantity:	8
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2013
Gen EPA ID:	CAL000149158
Shipment Date:	20130926
Creation Date:	3/12/2014 22:15:10
Receipt Date:	20131009
Manifest ID:	011356234JJK
Trans EPA ID:	CAR000203109
Trans Name:	J&R ENVIRONMENTAL
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008252405
Trans Name:	PACIFIC RESOURCE RECOVERY
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	D001
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0225
Waste Quantity:	45
Quantity Unit:	P

WESTERN DENTAL (Continued) **S113082208**

Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2011
Gen EPA ID:	CAL000149158
Shipment Date:	20110915
Creation Date:	3/12/2012 20:30:14
Receipt Date:	20111005
Manifest ID:	003161163FLE
Trans EPA ID:	CAD980891352
Trans Name:	STERICYCLE INC
Trans 2 EPA ID:	CAD982492399
Trans 2 Name:	ALL CHEMICAL DISPOSAL INC
TSDF EPA ID:	CAD044429835
Trans Name:	CLEAN HARBORS WILMINGTON LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	343 - Unspecified organic liquid mixture
RCRA Code:	D001
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.017
Waste Quantity:	5
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20110429
Creation Date:	10/1/2011 18:30:46
Receipt Date:	20110511
Manifest ID:	003172970FLE
Trans EPA ID:	CAD980891352
Trans Name:	STERICYCLE INC
Trans 2 EPA ID:	CAD982492399
Trans 2 Name:	ALL CHEMICAL DISPOSAL INC
TSDF EPA ID:	CAD044429835
Trans Name:	CLEAN HARBORS WILMINGTON LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	343 - Unspecified organic liquid mixture
RCRA Code:	D001
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.017
Waste Quantity:	5
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported

WESTERN DENTAL (Continued) **S113082208**

Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20110331
Creation Date:	10/1/2011 18:30:46
Receipt Date:	20110413
Manifest ID:	003545884FLE
Trans EPA ID:	CAD980891352
Trans Name:	STERICYCLE INC
Trans 2 EPA ID:	CAD982492399
Trans 2 Name:	ALL CHEMICAL DISPOSAL INC
TSDF EPA ID:	CAD044429835
Trans Name:	CLEAN HARBORS WILMINGTON LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	343 - Unspecified organic liquid mixture
RCRA Code:	D001
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.017
Waste Quantity:	5
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	1999
Gen EPA ID:	CAL000149158
Shipment Date:	19991206
Creation Date:	2/15/2000 0:00:00
Receipt Date:	19991210
Manifest ID:	99249883
Trans EPA ID:	CAL000190216
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD028409019
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD028409019
TSDF Alt Name:	Not reported
Waste Code Description:	181 - Other inorganic solid waste Organics
RCRA Code:	D009
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.0009
Waste Quantity:	0.225
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19991102

WESTERN DENTAL (Continued) **S113082208**

Creation Date:	1/4/2000 0:00:00
Receipt Date:	19991105
Manifest ID:	99249645
Trans EPA ID:	CAL000190216
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD028409019
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD028409019
TSDF Alt Name:	Not reported
Waste Code Description:	212 - Oxygenated solvents (acetone, butanol, ethyl acetate, etc.
RCRA Code:	D001
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.0132
Waste Quantity:	4
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	19990624
Creation Date:	8/19/1999 0:00:00
Receipt Date:	19990630
Manifest ID:	99253262
Trans EPA ID:	CAL000827859
Trans Name:	Not reported
Trans 2 EPA ID:	CAD028409019
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD028409019
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD028409019
TSDF Alt Name:	Not reported
Waste Code Description:	212 - Oxygenated solvents (acetone, butanol, ethyl acetate, etc.
RCRA Code:	D001
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.0165
Waste Quantity:	5
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	19990301
Creation Date:	5/4/1999 0:00:00
Receipt Date:	19990303
Manifest ID:	98819241
Trans EPA ID:	CAD020763751
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD028409019
Trans Name:	Not reported

WESTERN DENTAL (Continued) **S113082208**

TSDF Alt EPA ID: Not reported
TSDF Alt Name: Not reported
Waste Code Description: 212 - Oxygenated solvents (acetone, butanol, ethyl acetate, etc.
RCRA Code: D001
Meth Code: H01 - Transfer Station
Quantity Tons: 0.0165
Waste Quantity: 5
Quantity Unit: G
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Additional Info:
Year: 2009
Gen EPA ID: CAL000149158

Shipment Date: 20091210
Creation Date: 5/27/2010 18:30:08
Receipt Date: 20100122
Manifest ID: 004750723JJK
Trans EPA ID: CAL000827859
Trans Name: ETS A DIVISION OF STERICYCLE INC
Trans 2 EPA ID: CAD982492399
Trans 2 Name: ALL CHEMICAL DISPOSAL INC
TSDF EPA ID: CAD044429835
Trans Name: CLEAN HARBORS WILMINGTON LLC
TSDF Alt EPA ID: Not reported
TSDF Alt Name: Not reported
Waste Code Description: 723 - Liquids with chromium (VI) > 500 mg/l
RCRA Code: D007
Meth Code: - Not reported
Quantity Tons: Not reported
Waste Quantity: Not reported
Quantity Unit: G
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Shipment Date: 20091210
Creation Date: 5/27/2010 18:30:08
Receipt Date: 20100122
Manifest ID: 004750723JJK
Trans EPA ID: CAL000827859
Trans Name: ETS A DIVISION OF STERICYCLE INC
Trans 2 EPA ID: CAD982492399
Trans 2 Name: ALL CHEMICAL DISPOSAL INC
TSDF EPA ID: CAD044429835
Trans Name: CLEAN HARBORS WILMINGTON LLC
TSDF Alt EPA ID: Not reported
TSDF Alt Name: Not reported
Waste Code Description: 223 - Unspecified oil-containing waste
RCRA Code: Not reported
Meth Code: - Not reported

WESTERN DENTAL (Continued) **S113082208**

Quantity Tons:	Not reported
Waste Quantity:	Not reported
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20091210
Creation Date:	5/27/2010 18:30:08
Receipt Date:	20100122
Manifest ID:	004750723JJK
Trans EPA ID:	CAL000827859
Trans Name:	ETS A DIVISION OF STERICYCLE INC
Trans 2 EPA ID:	CAD982492399
Trans 2 Name:	ALL CHEMICAL DISPOSAL INC
TSDF EPA ID:	CAD044429835
Trans Name:	CLEAN HARBORS WILMINGTON LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	343 - Unspecified organic liquid mixture
RCRA Code:	Not reported
Meth Code:	- Not reported
Quantity Tons:	Not reported
Waste Quantity:	Not reported
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20091210
Creation Date:	5/27/2010 18:30:08
Receipt Date:	20100122
Manifest ID:	004750723JJK
Trans EPA ID:	CAL000827859
Trans Name:	ETS A DIVISION OF STERICYCLE INC
Trans 2 EPA ID:	CAD982492399
Trans 2 Name:	ALL CHEMICAL DISPOSAL INC
TSDF EPA ID:	CAD044429835
Trans Name:	CLEAN HARBORS WILMINGTON LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	343 - Unspecified organic liquid mixture
RCRA Code:	D001
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.017
Waste Quantity:	5
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

WESTERN DENTAL (Continued) **S113082208**

Shipment Date:	20090807
Creation Date:	10/13/2009 18:30:10
Receipt Date:	20090826
Manifest ID:	002487883FLE
Trans EPA ID:	CAL000827859
Trans Name:	ETS A DIVISION OF STERICYLE INC
Trans 2 EPA ID:	CAD982492399
Trans 2 Name:	ALL CHEMICAL DISPOSAL INC
TSDF EPA ID:	CAD044429835
Trans Name:	CLEAN HARBORS WILMINGTON LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	343 - Unspecified organic liquid mixture
RCRA Code:	Not reported
Meth Code:	- Not reported
Quantity Tons:	Not reported
Waste Quantity:	Not reported
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20090807
Creation Date:	10/13/2009 18:30:10
Receipt Date:	20090826
Manifest ID:	002487883FLE
Trans EPA ID:	CAL000827859
Trans Name:	ETS A DIVISION OF STERICYLE INC
Trans 2 EPA ID:	CAD982492399
Trans 2 Name:	ALL CHEMICAL DISPOSAL INC
TSDF EPA ID:	CAD044429835
Trans Name:	CLEAN HARBORS WILMINGTON LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	223 - Unspecified oil-containing waste
RCRA Code:	Not reported
Meth Code:	- Not reported
Quantity Tons:	Not reported
Waste Quantity:	Not reported
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20090807
Creation Date:	10/13/2009 18:30:10
Receipt Date:	20090826
Manifest ID:	002487883FLE
Trans EPA ID:	CAL000827859
Trans Name:	ETS A DIVISION OF STERICYLE INC
Trans 2 EPA ID:	CAD982492399
Trans 2 Name:	ALL CHEMICAL DISPOSAL INC
TSDF EPA ID:	CAD044429835

WESTERN DENTAL (Continued) **S113082208**

Trans Name:	CLEAN HARBORS WILMINGTON LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	343 - Unspecified organic liquid mixture
RCRA Code:	D001
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.017
Waste Quantity:	5
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20090807
Creation Date:	10/13/2009 18:30:10
Receipt Date:	20090826
Manifest ID:	002487883FLE
Trans EPA ID:	CAL000827859
Trans Name:	ETS A DIVISION OF STERICYLE INC
Trans 2 EPA ID:	CAD982492399
Trans 2 Name:	ALL CHEMICAL DISPOSAL INC
TSDF EPA ID:	CAD044429835
Trans Name:	CLEAN HARBORS WILMINGTON LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	723 - Liquids with chromium (VI) > 500 mg/l
RCRA Code:	D007
Meth Code:	- Not reported
Quantity Tons:	Not reported
Waste Quantity:	Not reported
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20090723
Creation Date:	10/13/2009 18:30:10
Receipt Date:	20090812
Manifest ID:	002487546FLE
Trans EPA ID:	CAL000827859
Trans Name:	ETS A DVISION OF STERICYLE INC
Trans 2 EPA ID:	CAD982492399
Trans 2 Name:	ALL CHEMICAL DISPOSAL INC
TSDF EPA ID:	CAD044429835
Trans Name:	CLEAN HARBORS WILMINGTON LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	343 - Unspecified organic liquid mixture
RCRA Code:	Not reported
Meth Code:	- Not reported
Quantity Tons:	Not reported
Waste Quantity:	Not reported

WESTERN DENTAL (Continued) **S113082208**

Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20090723
Creation Date:	10/13/2009 18:30:10
Receipt Date:	20090812
Manifest ID:	002487546FLE
Trans EPA ID:	CAL000827859
Trans Name:	ETS A DVISION OF STERICYLE INC
Trans 2 EPA ID:	CAD982492399
Trans 2 Name:	ALL CHEMICAL DISPOSAL INC
TSDF EPA ID:	CAD044429835
Trans Name:	CLEAN HARBORS WILMINGTON LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	343 - Unspecified organic liquid mixture
RCRA Code:	D001
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.017
Waste Quantity:	5
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2012
Gen EPA ID:	CAL000149158
Shipment Date:	20120119
Creation Date:	4/19/2012 20:30:10
Receipt Date:	20120201
Manifest ID:	004548224FLE
Trans EPA ID:	CAD980891352
Trans Name:	STERICYCLE INC
Trans 2 EPA ID:	MNS000110924
Trans 2 Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
TSDF EPA ID:	CAD044429835
Trans Name:	CLEAN HARBORS WILMINGTON LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	343 - Unspecified organic liquid mixture
RCRA Code:	D001
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.017
Waste Quantity:	5
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported

WESTERN DENTAL (Continued) **S113082208**

Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Additional Info:
Year: 1998
Gen EPA ID: CAL000149158

Shipment Date: 19981215
Creation Date: 2/8/1999 0:00:00
Receipt Date: 19981223
Manifest ID: 98818867
Trans EPA ID: CAD020763751
Trans Name: Not reported
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDF EPA ID: CAD028409019
Trans Name: Not reported
TSDF Alt EPA ID: Not reported
TSDF Alt Name: Not reported
Waste Code Description: 181 - Other inorganic solid waste Organics
RCRA Code: D009
Meth Code: H01 - Transfer Station
Quantity Tons: 0.0009
Waste Quantity: 0.225
Quantity Unit: G
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Shipment Date: 19981215
Creation Date: 2/8/1999 0:00:00
Receipt Date: 19981223
Manifest ID: 98819046
Trans EPA ID: CAD020763751
Trans Name: Not reported
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDF EPA ID: CAD028409019
Trans Name: Not reported
TSDF Alt EPA ID: Not reported
TSDF Alt Name: Not reported
Waste Code Description: 212 - Oxygenated solvents (acetone, butanol, ethyl acetate, etc.
RCRA Code: D001
Meth Code: H01 - Transfer Station
Quantity Tons: 0.0165
Waste Quantity: 5
Quantity Unit: G
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Shipment Date: 19980728

WESTERN DENTAL (Continued) **S113082208**

Creation Date:	9/22/1998 0:00:00
Receipt Date:	19980729
Manifest ID:	96768300
Trans EPA ID:	CAD020763751
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD000088252
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD000088252
TSDF Alt Name:	Not reported
Waste Code Description:	212 - Oxygenated solvents (acetone, butanol, ethyl acetate, etc.
RCRA Code:	D001
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.0165
Waste Quantity:	5
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	19980115
Creation Date:	3/31/1998 0:00:00
Receipt Date:	19980123
Manifest ID:	96800378
Trans EPA ID:	CAD020763751
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD000088252
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD000088252
TSDF Alt Name:	Not reported
Waste Code Description:	212 - Oxygenated solvents (acetone, butanol, ethyl acetate, etc.
RCRA Code:	D001
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.0132
Waste Quantity:	4
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	1995
Gen EPA ID:	CAL000149158

Shipment Date:	19951207
Creation Date:	7/26/1996 0:00:00
Receipt Date:	19951208
Manifest ID:	95933937
Trans EPA ID:	CAD020763751
Trans Name:	Not reported

WESTERN DENTAL (Continued) **S113082208**

Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD000088252
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	343 - Unspecified organic liquid mixture
RCRA Code:	D001
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.0068
Waste Quantity:	2
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	19951009
Creation Date:	7/26/1996 0:00:00
Receipt Date:	19951016
Manifest ID:	95936236
Trans EPA ID:	CAD020763751
Trans Name:	Not reported
Trans 2 EPA ID:	CAD982433575
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD981402522
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	541 - Photochemicals / photo processing waste
RCRA Code:	D011
Meth Code:	- Not reported
Quantity Tons:	0.0333
Waste Quantity:	8
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	19950816
Creation Date:	4/2/1996 0:00:00
Receipt Date:	19950822
Manifest ID:	95617274
Trans EPA ID:	CAD020763751
Trans Name:	Not reported
Trans 2 EPA ID:	CAD982433575
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD981402522
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	541 - Photochemicals / photo processing waste
RCRA Code:	D011
Meth Code:	- Not reported

WESTERN DENTAL (Continued) **S113082208**

Quantity Tons:	0.0417
Waste Quantity:	10
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19950816
Creation Date:	4/2/1996 0:00:00
Receipt Date:	19950817
Manifest ID:	95342329
Trans EPA ID:	CAD020763751
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD097854541
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	181 - Other inorganic solid waste Organics
RCRA Code:	D008
Meth Code:	R01 - Recycler
Quantity Tons:	0.006
Waste Quantity:	12
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19950627
Creation Date:	4/2/1996 0:00:00
Receipt Date:	19950629
Manifest ID:	95617806
Trans EPA ID:	CAD020763751
Trans Name:	Not reported
Trans 2 EPA ID:	CAD982433575
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD981402522
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	541 - Photochemicals / photo processing waste
RCRA Code:	D011
Meth Code:	R01 - Recycler
Quantity Tons:	0.0417
Waste Quantity:	10
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

WESTERN DENTAL (Continued) **S113082208**

Shipment Date:	19950522
Creation Date:	4/2/1996 0:00:00
Receipt Date:	19950524
Manifest ID:	95343184
Trans EPA ID:	CAD020763751
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD097854541
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	181 - Other inorganic solid waste Organics
RCRA Code:	D008
Meth Code:	R01 - Recycler
Quantity Tons:	0.0225
Waste Quantity:	45
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	19950425
Creation Date:	4/2/1996 0:00:00
Receipt Date:	19950428
Manifest ID:	95342152
Trans EPA ID:	CAD020763751
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD000088252
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	343 - Unspecified organic liquid mixture
RCRA Code:	D001
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.0034
Waste Quantity:	1
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	19950425
Creation Date:	4/2/1996 0:00:00
Receipt Date:	19950501
Manifest ID:	95342680
Trans EPA ID:	CAD020763751
Trans Name:	Not reported
Trans 2 EPA ID:	CAD982433575
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD981402522

WESTERN DENTAL (Continued) **S113082208**

Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	541 - Photochemicals / photo processing waste
RCRA Code:	D011
Meth Code:	R01 - Recycler
Quantity Tons:	0.0166
Waste Quantity:	4
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	19950327
Creation Date:	3/29/1996 0:00:00
Receipt Date:	19950329
Manifest ID:	95342198
Trans EPA ID:	CAD020763751
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD000088252
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	343 - Unspecified organic liquid mixture
RCRA Code:	D001
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.0034
Waste Quantity:	1
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	19950327
Creation Date:	3/29/1996 0:00:00
Receipt Date:	19950329
Manifest ID:	95342598
Trans EPA ID:	CAD020763751
Trans Name:	Not reported
Trans 2 EPA ID:	CAD982433575
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD981402522
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	541 - Photochemicals / photo processing waste
RCRA Code:	D011
Meth Code:	R01 - Recycler
Quantity Tons:	0.0166
Waste Quantity:	4
Quantity Unit:	G

WESTERN DENTAL (Continued) **S113082208**

Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2010
Gen EPA ID:	CAL000149158
Shipment Date:	20101222
Creation Date:	5/5/2011 18:30:32
Receipt Date:	20110112
Manifest ID:	003172922FLE
Trans EPA ID:	CAD980891352
Trans Name:	STERICYCLE INC
Trans 2 EPA ID:	CAD982492399
Trans 2 Name:	ALL CHEMICAL DISPOSAL INC
TSDF EPA ID:	CAD044429835
Trans Name:	CLEAN HARBORS WILMINGTON LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	343 - Unspecified organic liquid mixture
RCRA Code:	D001
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.034
Waste Quantity:	10
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20100927
Creation Date:	2/8/2011 18:30:24
Receipt Date:	20101013
Manifest ID:	003172662FLE
Trans EPA ID:	CAD980891352
Trans Name:	STERICYCLE INC
Trans 2 EPA ID:	CAD982492399
Trans 2 Name:	ALL CHEMICAL DISPOSAL INC
TSDF EPA ID:	CAD044429835
Trans Name:	CLEAN HARBORS WILMINGTON LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	343 - Unspecified organic liquid mixture
RCRA Code:	D001
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.034
Waste Quantity:	10
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported

WESTERN DENTAL (Continued) **S113082208**

Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20100624
Creation Date:	12/16/2010 18:30:33
Receipt Date:	20100714
Manifest ID:	003174125FLE
Trans EPA ID:	CAD980891352
Trans Name:	STERICYCLE INC
Trans 2 EPA ID:	CAD982492399
Trans 2 Name:	ALL CHEMICAL DISPOSAL INC
TSDF EPA ID:	CAD044429835
Trans Name:	CLEAN HARBORS WILMINGTON LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	343 - Unspecified organic liquid mixture
RCRA Code:	D001
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.017
Waste Quantity:	5
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20100323
Creation Date:	10/8/2010 18:30:08
Receipt Date:	20100414
Manifest ID:	004750373JJK
Trans EPA ID:	CAD980891352
Trans Name:	STERICYCLE INC
Trans 2 EPA ID:	CAD982492399
Trans 2 Name:	ALL CHEMICAL DISPOSAL INC
TSDF EPA ID:	CAD044429835
Trans Name:	CLEAN HARBORS WILMINGTON LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	343 - Unspecified organic liquid mixture
RCRA Code:	D001
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.034
Waste Quantity:	10
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2002
Gen EPA ID:	CAL000149158

WESTERN DENTAL (Continued) **S113082208**

Shipment Date:	20021031
Creation Date:	2/21/2003 10:41:38
Receipt Date:	20021104
Manifest ID:	21643935
Trans EPA ID:	CAL000827859
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAL000212588
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	212 - Oxygenated solvents (acetone, butanol, ethyl acetate, etc.
RCRA Code:	D001
Meth Code:	- Not reported
Quantity Tons:	0.0165
Waste Quantity:	5
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20021002
Creation Date:	1/28/2003 18:33:13
Receipt Date:	20021007
Manifest ID:	21643914
Trans EPA ID:	CAL000827859
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAL000212588
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	181 - Other inorganic solid waste Organics
RCRA Code:	D009
Meth Code:	- Not reported
Quantity Tons:	0.00104
Waste Quantity:	0.25
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20020808
Creation Date:	3/17/2003 18:31:23
Receipt Date:	20020812
Manifest ID:	21643885
Trans EPA ID:	CAL000827859
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAL000212588

WESTERN DENTAL (Continued) **S113082208**

Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	212 - Oxygenated solvents (acetone, butanol, ethyl acetate, etc.
RCRA Code:	D001
Meth Code:	- Not reported
Quantity Tons:	Not reported
Waste Quantity:	Not reported
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20020416
Creation Date:	7/29/2002 18:39:34
Receipt Date:	Not reported
Manifest ID:	21641036
Trans EPA ID:	CAL000827859
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAL000212588
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	181 - Other inorganic solid waste Organics
RCRA Code:	D009
Meth Code:	- Not reported
Quantity Tons:	0.00104
Waste Quantity:	0.25
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20020322
Creation Date:	7/17/2002 18:33:08
Receipt Date:	20020329
Manifest ID:	21640995
Trans EPA ID:	CAL000827859
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAL000212588
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	212 - Oxygenated solvents (acetone, butanol, ethyl acetate, etc.
RCRA Code:	D001
Meth Code:	- Not reported
Quantity Tons:	0.0165
Waste Quantity:	5
Quantity Unit:	G

WESTERN DENTAL (Continued) **S113082208**

Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20020123
Creation Date:	3/7/2002 0:00:00
Receipt Date:	20020128
Manifest ID:	21776821
Trans EPA ID:	CAL000827859
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAL000212588
Trans Name:	Not reported
TSDF Alt EPA ID:	CAL000212588
TSDF Alt Name:	Not reported
Waste Code Description:	181 - Other inorganic solid waste Organics
RCRA Code:	D009
Meth Code:	- Not reported
Quantity Tons:	0.001
Waste Quantity:	0.25
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2004
Gen EPA ID:	CAL000149158
Shipment Date:	20041027
Creation Date:	1/10/2005 18:31:02
Receipt Date:	20041101
Manifest ID:	23858800
Trans EPA ID:	CAL000827859
Trans Name:	ETS A DVISION OF STERICYLE INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAL000175030
Trans Name:	ECO SOLUTIONS A DIVISION OF STERICYCLE INC
TSDF Alt EPA ID:	CAL000175030
TSDF Alt Name:	Not reported
Waste Code Description:	181 - Other inorganic solid waste Organics
RCRA Code:	D009
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.02085
Waste Quantity:	5
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

WESTERN DENTAL (Continued) **S113082208**

Shipment Date:	20040901
Creation Date:	12/22/2004 18:31:08
Receipt Date:	20040907
Manifest ID:	23858657
Trans EPA ID:	CAL000827859
Trans Name:	ETS A DVISION OF STERICYLE INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAL000175030
Trans Name:	ECO SOLUTIONS A DIVISION OF STERICYCLE INC
TSDF Alt EPA ID:	CAL000175030
TSDF Alt Name:	Not reported
Waste Code Description:	181 - Other inorganic solid waste Organics
RCRA Code:	D009
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.02085
Waste Quantity:	5
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20040901
Creation Date:	12/22/2004 18:31:08
Receipt Date:	20040907
Manifest ID:	23858657
Trans EPA ID:	CAL000827859
Trans Name:	ETS A DVISION OF STERICYLE INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAL000175030
Trans Name:	ECO SOLUTIONS A DIVISION OF STERICYCLE INC
TSDF Alt EPA ID:	CAL000175030
TSDF Alt Name:	Not reported
Waste Code Description:	212 - Oxygenated solvents (acetone, butanol, ethyl acetate, etc.
RCRA Code:	D001
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.0165
Waste Quantity:	5
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20040804
Creation Date:	11/5/2004 18:32:00
Receipt Date:	20040809
Manifest ID:	23858411
Trans EPA ID:	CAL000827859
Trans Name:	ETS A DVISION OF STERICYLE INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAL000175030

WESTERN DENTAL (Continued) **S113082208**

Trans Name:	ECO SOLUTIONS A DIVISION OF STERICYCLE INC
TSDF Alt EPA ID:	CAL000175030
TSDF Alt Name:	Not reported
Waste Code Description:	181 - Other inorganic solid waste Organics
RCRA Code:	D009
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.02085
Waste Quantity:	5
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20040609
Creation Date:	10/15/2004 15:16:06
Receipt Date:	20040614
Manifest ID:	23858559
Trans EPA ID:	CAL000827859
Trans Name:	ETS A DVISION OF STERICYCLE INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAL000175030
Trans Name:	ECO SOLUTIONS A DIVISION OF STERICYCLE INC
TSDF Alt EPA ID:	CAL000175030
TSDF Alt Name:	Not reported
Waste Code Description:	181 - Other inorganic solid waste Organics
RCRA Code:	D009
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.02085
Waste Quantity:	5
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20040512
Creation Date:	10/15/2004 10:46:40
Receipt Date:	20040517
Manifest ID:	23858422
Trans EPA ID:	CAL000827859
Trans Name:	ETS A DVISION OF STERICYLE INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAL000175030
Trans Name:	ECO SOLUTIONS A DIVISION OF STERICYCLE INC
TSDF Alt EPA ID:	CAL000175030
TSDF Alt Name:	Not reported
Waste Code Description:	181 - Other inorganic solid waste Organics
RCRA Code:	D009
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.0417
Waste Quantity:	10
Quantity Unit:	G

WESTERN DENTAL (Continued) **S113082208**

Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20040512
Creation Date:	10/15/2004 10:46:40
Receipt Date:	20040517
Manifest ID:	23858422
Trans EPA ID:	CAL000827859
Trans Name:	ETS A DVISION OF STERICYLE INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAL000175030
Trans Name:	ECO SOLUTIONS A DIVISION OF STERICYCLE INC
TSDF Alt EPA ID:	CAL000175030
TSDF Alt Name:	Not reported
Waste Code Description:	212 - Oxygenated solvents (acetone, butanol, ethyl acetate, etc.
RCRA Code:	D001
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.0165
Waste Quantity:	5
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20040317
Creation Date:	8/23/2004 8:16:48
Receipt Date:	20040322
Manifest ID:	22849071
Trans EPA ID:	CAL000827859
Trans Name:	ETS-DIVISION OF STERICYCLE INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAL000175030
Trans Name:	ECO SOLUTIONS A DIVISION OF STERICYCLE INC
TSDF Alt EPA ID:	CAL000175030
TSDF Alt Name:	Not reported
Waste Code Description:	181 - Other inorganic solid waste Organics
RCRA Code:	D009
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.01251
Waste Quantity:	3
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20040218
Creation Date:	8/20/2004 9:31:41
Receipt Date:	20040223

WESTERN DENTAL (Continued) **S113082208**

Manifest ID:	22849038
Trans EPA ID:	CAL000827859
Trans Name:	ETS-DIVISION OF STERICYCLE INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAL000175030
Trans Name:	ECO SOLUTIONS A DIVISION OF STERICYCLE INC
TSDF Alt EPA ID:	CAL000175030
TSDF Alt Name:	Not reported
Waste Code Description:	212 - Oxygenated solvents (acetone, butanol, ethyl acetate, etc.
RCRA Code:	D001
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.0165
Waste Quantity:	5
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20040218
Creation Date:	8/20/2004 9:31:41
Receipt Date:	20040223
Manifest ID:	22849038
Trans EPA ID:	CAL000827859
Trans Name:	ETS-DIVISION OF STERICYCLE INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAL000175030
Trans Name:	ECO SOLUTIONS A DIVISION OF STERICYCLE INC
TSDF Alt EPA ID:	CAL000175030
TSDF Alt Name:	Not reported
Waste Code Description:	181 - Other inorganic solid waste Organics
RCRA Code:	D009
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.02085
Waste Quantity:	5
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

San Bern. Co. Permit:

Name:	WESTERN DENTAL
Address:	10144 SIERRA AVE
City,State,Zip:	FONTANA, CA 92335
Region:	SAN BERNARDINO
Facility ID:	FA0016811
Owner:	Western Dental Services, Inc
Permit Number:	PT0036037
Permit Category:	CONDITIONALLY EXEMPT SM QTY GENERATOR SPECIAL
Facility Status:	ACTIVE
Expiration Date:	08/31/2022

WESTERN DENTAL (Continued) **S113082208**

Name: WESTERN DENTAL
Address: 10144 SIERRA AVE
City,State,Zip: FONTANA, CA 92335
Region: SAN BERNARDINO
Facility ID: FA0016811
Owner: Western Dental Services, Inc
Permit Number: PT0037174
Permit Category: HAZMAT HANDLER GENERAL ACT.(NB)
Facility Status: FEE EXEMPT
Expiration Date: 08/31/2017

CERS:
Name: WESTERN DENTAL
Address: 10144 SIERRA AVE
City,State,Zip: FONTANA, CA 92335
Site ID: 85532
CERS ID: 10456945
CERS Description: Chemical Storage Facilities

Violations:
Site ID: 85532
Site Name: Western Dental
Violation Date: 07-23-2021
Citation: 22 CCR 23 66273.34 - California Code of Regulations, Title 22, Chapter 23, Section(s) 66273.34
Violation Description: Failure to label or mark each individual or container or the designated area of universal waste as required. 1) Waste batteries shall be marked with "Universal Waste-Battery(ies) . 2) Mercury containing equipment shall be marked with "Universal Waste -Mercury-Containing Equipment . 3) Lamps shall be marked with Universal Waste-Lamp(s) . 4)Each electronic devices or the container or the designated area shall be marked with Universal Waste-Electronic Device(s) . 5) Each CRTs or the container or the designated area shall be marked with "Universal Waste-CRT(s) . 6) CRT glass or the designated area shall be marked with Universal Waste-CRT glass .
Violation Notes: Returned to compliance on 07/23/2021. OBSERVATION: At time of inspection, (1) 2 gallon container of waste mercury amalgam located in equipment room was observed without a label. CORRECTED ON SITE: (1) 2 gallon container of waste mercury amalgam was properly labeled at time of inspection.
Violation Division: San Bernardino County Fire Department
Violation Program: HW
Violation Source: CERS,

Evaluation:
Eval General Type: Compliance Evaluation Inspection
Eval Date: 04-16-2018
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: San Bernardino County Fire Department
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 07-23-2021
Violations Found: Yes

WESTERN DENTAL (Continued) **S113082208**

Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: San Bernardino County Fire Department
Eval Program: HW
Eval Source: CERS,

Coordinates:
Site ID: 85532
Facility Name: Western Dental
Env Int Type Code: HWG
Program ID: 10456945
Coord Name: Not reported
Ref Point Type Desc: Center of a facility or station.,
Latitude: 34.069530
Longitude: -117.436310

Affiliation:
Affiliation Type Desc: Document Preparer
Entity Name: Gerardo Mejia
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

Affiliation Type Desc: Environmental Contact
Entity Name: Anna Moreno
Entity Title: Not reported
Affiliation Address: 530 South Main St.
Affiliation City: Orange
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 92868
Affiliation Phone: ,

Affiliation Type Desc: Legal Owner
Entity Name: Western Dental Services, Inc
Entity Title: Not reported
Affiliation Address: 530 South Main St.
Affiliation City: Orange
Affiliation State: CA
Affiliation Country: United States
Affiliation Zip: 92868
Affiliation Phone: (714) 480-3000,

Affiliation Type Desc: Operator
Entity Name: Western Dental Services, Inc
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: (714) 480-3000,

WESTERN DENTAL (Continued) **S113082208**

Affiliation Type Desc:	Parent Corporation
Entity Name:	Western Dental Services, Inc.
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,

Affiliation Type Desc:	Property Owner
Entity Name:	NEAL T. BAKER ENTERPRISES
Entity Title:	Not reported
Affiliation Address:	1875 BUSINESS CENTER DR
Affiliation City:	San Bernadino
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	92408
Affiliation Phone:	(909) 884-7241,

Affiliation Type Desc:	Facility Mailing Address
Entity Name:	Mailing Address
Entity Title:	Not reported
Affiliation Address:	530 South Main St.
Affiliation City:	Orange
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	92868
Affiliation Phone:	,

Affiliation Type Desc:	CUPA District
Entity Name:	San Bernardino County Fire
Entity Title:	Not reported
Affiliation Address:	620 South E Street
Affiliation City:	San Bernardino
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	92415-0153
Affiliation Phone:	(909) 386-8401,

Affiliation Type Desc:	Identification Signer
Entity Name:	Gerardo Mejia
Entity Title:	DOSH Manager
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,

HWTS:

Name:	WESTERN DENTAL SERVICES, INC.
Address:	10144 SIERRA AVE
Address 2:	Not reported
City,State,Zip:	FONTANA, CA 92335
EPA ID:	CAL000149158

WESTERN DENTAL (Continued) **S113082208**

Inactive Date:	Not reported
Create Date:	08/18/1994
Last Act Date:	Not reported
Mailing Name:	Not reported
Mailing Address:	530 S.MAIN ST.
Mailing Address 2:	Not reported
Mailing City,State,Zip:	ORANGE, CA 92868
Owner Name:	WESTERN DENTAL SERVICES, INC.
Owner Address:	530 S.MAIN ST.
Owner Address 2:	Not reported
Owner City,State,Zip:	ORANGE, CA 92868
Contact Name:	DAVID CHAN
Contact Address:	530 S. MAIN STREET
Contact Address 2:	Not reported
City,State,Zip:	ORANGE, CA 92868
Facility Status:	Active
Facility Type:	PERMANENT
Category:	STATE
Latitude:	34.066723
Longitude:	-117.435809

NAICS:

EPA ID:	CAL000149158
Create Date:	2004-10-20 10:23:57.043
NAICS Code:	62121
NAICS Description:	Offices of Dentists
Issued EPA ID Date:	1994-08-18 00:00:00
Inactive Date:	Not reported
Facility Name:	WESTERN DENTAL SERVICES, INC.
Facility Address:	10144 SIERRA AVE
Facility Address 2:	Not reported
Facility City:	FONTANA
Facility County:	Not reported
Facility State:	CA
Facility Zip:	923350000

N50 **WESTERN DENTAL SERVICES, INC.** **RCRA NonGen / NLR** **1024794579**
East **10144 SIERRA AVE** **CAL000149158**
1/8-1/4 **FONTANA, CA 92335**
0.218 mi.
1149 ft. **Site 2 of 2 in cluster N**

Relative: **Higher**
Actual: **1120 ft.**

RCRA NonGen / NLR:

Date Form Received by Agency:	19940818
Handler Name:	WESTERN DENTAL SERVICES, INC.
Handler Address:	10144 SIERRA AVE
Handler City,State,Zip:	FONTANA, CA 92335-0000
EPA ID:	CAL000149158
Contact Name:	KAREN NGUYEN
Contact Address:	530 S MAIN ST
Contact City,State,Zip:	ORANGE, CA 92868-0000
Contact Telephone:	714-571-3564
Contact Fax:	714-571-3599
Contact Email:	KNGUYEN@WESTERNDENTAL.COM
Contact Title:	Not reported
EPA Region:	09
Land Type:	Not reported

WESTERN DENTAL SERVICES, INC. (Continued) **1024794579**

Federal Waste Generator Description:	Not a generator, verified
Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Handler Activities
State District Owner:	Not reported
State District:	Not reported
Mailing Address:	530 S MAIN STREET
Mailing City,State,Zip:	ORANGE, CA 92868-0000
Owner Name:	WESTERN DENTAL SERVICES, INC
Owner Type:	Other
Operator Name:	KAREN NGUYEN
Operator Type:	Other
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	Yes
Universal Waste Destination Facility:	Yes
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No

WESTERN DENTAL SERVICES, INC. (Continued) **1024794579**

Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20180905
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Operator
Owner/Operator Name:	KAREN NGUYEN
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	530 S MAIN ST
Owner/Operator City,State,Zip:	ORANGE, CA 92868-0000
Owner/Operator Telephone:	714-571-3564
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Owner
Owner/Operator Name:	WESTERN DENTAL SERVICES, INC
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	530 S MAIN STREET
Owner/Operator City,State,Zip:	ORANGE, CA 92868-0000
Owner/Operator Telephone:	714-480-3000
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	19940818
Handler Name:	WESTERN DENTAL SERVICES, INC.
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

List of NAICS Codes and Descriptions:

NAICS Code:	62121
NAICS Description:	OFFICES OF DENTISTS

WESTERN DENTAL SERVICES, INC. (Continued) **1024794579**

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

51
NW
1/8-1/4
0.221 mi.
1168 ft.

JACOB ESTRADA **RCRA NonGen / NLR** **1026821480**
16466 IRIS DR **CAC003134397**
FONTANA, CA 92335

Relative:
Higher

Actual:
1127 ft.

RCRA NonGen / NLR:

Date Form Received by Agency:		20210813
Handler Name:	JACOB ESTRADA	
Handler Address:		16466 IRIS DR
Handler City,State,Zip:		FONTANA, CA 92335
EPA ID:		CAC003134397
Contact Name:		JACOB ESTRADA
Contact Address:		16466 IRIS DR
Contact City,State,Zip:		FONTANA, CA 92335
Contact Telephone:		626-379-6925
Contact Fax:		Not reported
Contact Email:		FAVILA@BURNS-ENVIRO.COM
Contact Title:		Not reported
EPA Region:		09
Land Type:		Not reported
Federal Waste Generator Description:		Not a generator, verified
Non-Notifier:		Not reported
Biennial Report Cycle:		Not reported
Accessibility:		Not reported
Active Site Indicator:		Not reported
State District Owner:		Not reported
State District:		Not reported
Mailing Address:		16466 IRIS DR
Mailing City,State,Zip:		FONTANA, CA 92335
Owner Name:		JACOB ESTRADA
Owner Type:		Other
Operator Name:		JACOB ESTRADA
Operator Type:		Other
Short-Term Generator Activity:		No
Importer Activity:		No
Mixed Waste Generator:		No
Transporter Activity:		No
Transfer Facility Activity:		No
Recycler Activity with Storage:		No
Small Quantity On-Site Burner Exemption:		No
Smelting Melting and Refining Furnace Exemption:		No
Underground Injection Control:		No
Off-Site Waste Receipt:		No
Universal Waste Indicator:		No
Universal Waste Destination Facility:		No
Federal Universal Waste:		No
Active Site Fed-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site Converter Treatment storage and Disposal Facility:		Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:		Not reported

JACOB ESTRADA (Continued) **1026821480**

Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20210816
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name:	JACOB ESTRADA
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	16466 IRIS DR
Owner/Operator City,State,Zip:	FONTANA, CA 92335
Owner/Operator Telephone:	626-379-6925
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator
Owner/Operator Name:	JACOB ESTRADA
Legal Status:	Other

JACOB ESTRADA (Continued) **1026821480**

Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	16466 IRIS DR
Owner/Operator City,State,Zip:	FONTANA, CA 92335
Owner/Operator Telephone:	626-379-6925
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	20210813
Handler Name: JACOB ESTRADA	
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	No
Electronic Manifest Broker:	No

List of NAICS Codes and Descriptions:

NAICS Code:	56299
NAICS Description:	ALL OTHER WASTE MANAGEMENT SERVICES

Facility Has Received Notices of Violations:

Violations:	No Violations Found

Evaluation Action Summary:

Evaluations:	No Evaluations Found

L52 **PEONY INVESTMENTS LLC** **RCRA NonGen / NLR** **1025863373**
SSE **16748 BOYLE AVE** **CAC003044139**
1/8-1/4 **FONTANA, CA 92337**
0.229 mi.
1208 ft. **Site 4 of 4 in cluster L**

Relative: **Lower**

Actual: **1097 ft.**

RCRA NonGen / NLR:

Date Form Received by Agency:	20191120
Handler Name: PEONY INVESTMENTS LLC	
Handler Address:	16748 BOYLE AVE
Handler City,State,Zip:	FONTANA, CA 92337-7503
EPA ID:	CAC003044139
Contact Name:	STEPHANIE LAM
Contact Address:	19372 FORTUNE PL
Contact City,State,Zip:	ROWLAND HEIGHTS, CA 91748-2360
Contact Telephone:	909-720-5965
Contact Fax:	Not reported
Contact Email:	AMBERG_ICI@YAHOO.COM
Contact Title:	Not reported
EPA Region:	09
Land Type:	Not reported
Federal Waste Generator Description:	Not a generator, verified

PEONY INVESTMENTS LLC (Continued) **1025863373**

Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Not reported
State District Owner:	Not reported
State District:	Not reported
Mailing Address:	19372 FORTUNE PL
Mailing City,State,Zip:	ROWLAND HEIGHTS, CA 91748-2360
Owner Name:	PEONY INVESTMENTS LLC
Owner Type:	Other
Operator Name:	STEPHANIE LAM
Operator Type:	Other
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No

PEONY INVESTMENTS LLC (Continued) **1025863373**

Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20191122
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name:	PEONY INVESTMENTS LLC
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	19372 FORTUNE PL
Owner/Operator City,State,Zip:	ROWLAND HEIGHTS, CA 91748-2360
Owner/Operator Telephone:	909-720-5965
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator
Owner/Operator Name:	STEPHANIE LAM
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	19372 FORTUNE PL
Owner/Operator City,State,Zip:	ROWLAND HEIGHTS, CA 91748-2360
Owner/Operator Telephone:	909-720-5965
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	20191120
Handler Name: PEONY INVESTMENTS LLC	
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

List of NAICS Codes and Descriptions:

NAICS Code:	56299
NAICS Description:	ALL OTHER WASTE MANAGEMENT SERVICES

PEONY INVESTMENTS LLC (Continued) **1025863373**

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

K53 **SIERRA ASSEMBLAGE ZONE 2 PROPERTY 11** **RCRA NonGen / NLR** **1026720108**
South **10420 JUNIPER AVENUE** **CAC003108792**
1/8-1/4 **FONTANA, CA 92337**
0.231 mi.
1220 ft. **Site 2 of 2 in cluster K**

Relative:
Lower

Actual:
1093 ft.

RCRA NonGen / NLR:

Date Form Received by Agency:	20210305
Handler Name:	SIERRA ASSEMBLAGE ZONE 2 PROPERTY 11
Handler Address:	10420 JUNIPER AVENUE
Handler City,State,Zip:	FONTANA, CA 92337
EPA ID:	CAC003108792
Contact Name:	GUILLERMO ACCAME
Contact Address:	7887 EAST BELLEVIEW AVENUE
Contact City,State,Zip:	DENVER, CO 80111
Contact Telephone:	303-846-5885
Contact Fax:	Not reported
Contact Email:	WACCAME@PANATTONI.COM
Contact Title:	Not reported
EPA Region:	09
Land Type:	Not reported
Federal Waste Generator Description:	Not a generator, verified
Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Not reported
State District Owner:	Not reported
State District:	Not reported
Mailing Address:	7887 EAST BELLEVIEW AVENUE
Mailing City,State,Zip:	DENVER, CO 80111
Owner Name:	PANATTONI DEVELOPMENT COMPANY, INC.
Owner Type:	Other
Operator Name:	GUILLERMO ACCAME
Operator Type:	Other
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported

SIERRA ASSEMBLAGE ZONE 2 PROPERTY 11 (Continued) **1026720108**

Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20210312
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name:	PANATTONI DEVELOPMENT COMPANY, INC.
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	7887 EAST BELLEVIEW AVENUE
Owner/Operator City,State,Zip:	DENVER, CO 80111
Owner/Operator Telephone:	303-846-5885
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator
Owner/Operator Name:	GUILLERMO ACCAME
Legal Status:	Other

SIERRA ASSEMBLAGE ZONE 2 PROPERTY 11 (Continued) **1026720108**

Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: 7887 EAST BELLEVIEW AVENUE
Owner/Operator City,State,Zip: DENVER, CO 80111
Owner/Operator Telephone: 303-846-5885
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Historic Generators:
Receive Date: 20210305
Handler Name: SIERRA ASSEMBLAGE ZONE 2 PROPERTY 11
Federal Waste Generator Description: Not a generator, verified
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: No
Electronic Manifest Broker: No

List of NAICS Codes and Descriptions:
NAICS Code: 56299
NAICS Description: ALL OTHER WASTE MANAGEMENT SERVICES

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

Date Form Received by Agency: 20210318
Handler Name: SIERRA ASSEMBLAGE ZONE 2 PROPERTY 11
Handler Address: 10420 JUNIPER AVENUE
Handler City,State,Zip: FONTANA, CA 92337
EPA ID: CAC003110775
Contact Name: GUILLERMO ACCAME
Contact Address: 7887 EAST BELLEVIEW AVENUE
Contact City,State,Zip: DENVER, CO 80111
Contact Telephone: 303-846-5885
Contact Fax: Not reported
Contact Email: WACCAME@PANATTONI.COM
Contact Title: Not reported
EPA Region: 09
Land Type: Not reported
Federal Waste Generator Description: Not a generator, verified
Non-Notifier: Not reported
Biennial Report Cycle: Not reported
Accessibility: Not reported
Active Site Indicator: Not reported
State District Owner: Not reported
State District: Not reported

SIERRA ASSEMBLAGE ZONE 2 PROPERTY 11 (Continued) **1026720108**

Mailing Address:	7887 EAST BELLEVIEW AVENUE
Mailing City,State,Zip:	DENVER, CO 80111
Owner Name:	SIERRA AVENUE INDUSTRIAL, LLC
Owner Type:	Other
Operator Name:	GUILLERMO ACCAME
Operator Type:	Other
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20210322
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No

SIERRA ASSEMBLAGE ZONE 2 PROPERTY 11 (Continued) **1026720108**

Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Operator
Owner/Operator Name:	GUILLERMO ACCAME
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	7887 EAST BELLEVIEW AVENUE
Owner/Operator City,State,Zip:	DENVER, CO 80111
Owner/Operator Telephone:	303-846-5885
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Owner
Owner/Operator Name:	SIERRA AVENUE INDUSTRIAL, LLC
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	7887 EAST BELLEVIEW AVENUE
Owner/Operator City,State,Zip:	DENVER, CO 80111
Owner/Operator Telephone:	303-846-5885
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	20210318
Handler Name:	SIERRA ASSEMBLAGE ZONE 2 PROPERTY 11
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	No
Electronic Manifest Broker:	No

List of NAICS Codes and Descriptions:

NAICS Code:	56299
NAICS Description:	ALL OTHER WASTE MANAGEMENT SERVICES

Facility Has Received Notices of Violations:

Violations:	No Violations Found

Evaluation Action Summary:

Evaluations:	No Evaluations Found

J54 **CIRCLE K STORES INC. SITE #2211306** **UST** **U004352744**
ENE **16894 VALLEY BLVD** **N/A**
1/8-1/4 **FONTANA, CA 92335**
0.232 mi.
1223 ft. **Site 10 of 14 in cluster J**

Relative:
Higher

Actual:
1126 ft.

UST:
Name: CIRCLE K STORES INC. SITE #2211306
Address: 16894 VALLEY BLVD
City,State,Zip: FONTANA, CA 92335
Facility ID: FA0004258
Permitting Agency: San Bernardino County Fire Department
CERSID: 10041142
Latitude: 34.070577
Longitude: -117.435909

J55 **MOBIL STATION** **CERS HAZ WASTE** **S101591773**
ENE **16894 VALLEY BLVD** **SWEEPS UST** **N/A**
1/8-1/4 **FONTANA, CA 92335** **CA FID UST**
0.232 mi. **CERS TANKS**
1223 ft. **Site 11 of 14 in cluster J** **San Bern. Co. Permit**
CERS

Relative:
Higher

Actual:
1126 ft.

CERS HAZ WASTE:
Name: CIRCLE K STORES INC. SITE #2211306
Address: 16894 VALLEY BLVD
City,State,Zip: FONTANA, CA 92335
Site ID: 19146
CERS ID: 10041142
CERS Description: Hazardous Waste Generator

SWEEPS UST:
Name: MOBIL STATION
Address: 16894 VALLEY BLVD
City: FONTANA
Status: Active
Comp Number: 39413
Number: 9
Board Of Equalization: 44-020981
Referral Date: 07-28-92
Action Date: 07-28-92
Created Date: 02-29-88
Owner Tank Id: 1
SWRCB Tank Id: 36-000-039413-000001
Tank Status: A
Capacity: 12000
Active Date: 08-25-88
Tank Use: M.V. FUEL
STG: P
Content: REG UNLEADED
Number Of Tanks: 4

Name: MOBIL STATION
Address: 16894 VALLEY BLVD
City: FONTANA
Status: Active
Comp Number: 39413
Number: 9
Board Of Equalization: 44-020981

MOBIL STATION (Continued) **S101591773**

Referral Date: 07-28-92
Action Date: 07-28-92
Created Date: 02-29-88
Owner Tank Id: 2
SWRCB Tank Id: 36-000-039413-000002
Tank Status: A
Capacity: 10000
Active Date: 08-25-88
Tank Use: M.V. FUEL
STG: P
Content: LEADED
Number Of Tanks: Not reported

Name: MOBIL STATION
Address: 16894 VALLEY BLVD
City: FONTANA
Status: Active
Comp Number: 39413
Number: 9
Board Of Equalization: 44-020981
Referral Date: 07-28-92
Action Date: 07-28-92
Created Date: 02-29-88
Owner Tank Id: 3
SWRCB Tank Id: 36-000-039413-000003
Tank Status: A
Capacity: 6000
Active Date: 08-25-88
Tank Use: M.V. FUEL
STG: P
Content: REG UNLEADED
Number Of Tanks: Not reported

Name: MOBIL STATION
Address: 16894 VALLEY BLVD
City: FONTANA
Status: Active
Comp Number: 39413
Number: 9
Board Of Equalization: 44-020981
Referral Date: 07-28-92
Action Date: 07-28-92
Created Date: 02-29-88
Owner Tank Id: 4
SWRCB Tank Id: 36-000-039413-000004
Tank Status: A
Capacity: 280
Active Date: 08-25-88
Tank Use: OIL
STG: W
Content: WASTE OIL
Number Of Tanks: Not reported

CA FID UST:
Facility ID: 36008968
Regulated By: UTNKA
Regulated ID: 00039413

MOBIL STATION (Continued) **S101591773**

Cortese Code: Not reported
SIC Code: Not reported
Facility Phone: Not reported
Mail To: Not reported
Mailing Address: 16894 VALLEY BLVD
Mailing Address 2: Not reported
Mailing City,St,Zip: FONTANA 92335
Contact: Not reported
Contact Phone: Not reported
DUNs Number: Not reported
NPDES Number: Not reported
EPA ID: Not reported
Comments: Not reported
Status: Active

CERS TANKS:
Name: CIRCLE K STORES INC. SITE #2211306
Address: 16894 VALLEY BLVD
City,State,Zip: FONTANA, CA 92335
Site ID: 19146
CERS ID: 10041142
CERS Description: Underground Storage Tank

San Bern. Co. Permit:
Name: CIRCLE K STORES INC. SITE #2211306
Address: 16894 VALLEY BLVD
City,State,Zip: FONTANA, CA 92335
Region: SAN BERNARDINO
Facility ID: FA0004258
Owner: Young Joo Kim
Permit Number: PT0002218
Permit Category: HAZMAT HANDLER, UST ONLY - PER YEAR
Facility Status: ACTIVE
Expiration Date: 10/31/2022

Name: CIRCLE K STORES INC. SITE #2211306
Address: 16894 VALLEY BLVD
City,State,Zip: FONTANA, CA 92335
Region: SAN BERNARDINO
Facility ID: FA0004258
Owner: Young Joo Kim
Permit Number: PT0024055
Permit Category: WASTE INCIDENTAL UST OPERATION ONLY -PER YEAR
Facility Status: ACTIVE
Expiration Date: 10/31/2022

Name: CIRCLE K STORES INC. SITE #2211306
Address: 16894 VALLEY BLVD
City,State,Zip: FONTANA, CA 92335
Region: SAN BERNARDINO
Facility ID: FA0004258
Owner: Young Joo Kim
Permit Number: PT0012128
Permit Category: REGULAR UST ANNUAL INSPECTION (PER TANK)
Facility Status: ACTIVE
Expiration Date: 10/31/2022

MOBIL STATION (Continued) **S101591773**

Name: CIRCLE K STORES INC. SITE #2211306
Address: 16894 VALLEY BLVD
City,State,Zip: FONTANA, CA 92335
Region: SAN BERNARDINO
Facility ID: FA0004258
Owner: Young Joo Kim
Permit Number: PT0012129
Permit Category: REGULAR UST ANNUAL INSPECTION (PER TANK)
Facility Status: ACTIVE
Expiration Date: 10/31/2022

Name: CIRCLE K STORES INC. SITE #2211306
Address: 16894 VALLEY BLVD
City,State,Zip: FONTANA, CA 92335
Region: SAN BERNARDINO
Facility ID: FA0004258
Owner: Young Joo Kim
Permit Number: PT0012130
Permit Category: REGULAR UST ANNUAL INSPECTION (PER TANK)
Facility Status: ACTIVE
Expiration Date: 10/31/2022

Name: CIRCLE K STORES INC. SITE #2211306
Address: 16894 VALLEY BLVD
City,State,Zip: FONTANA, CA 92335
Region: SAN BERNARDINO
Facility ID: FA0004258
Owner: Young Joo Kim
Permit Number: PT0012131
Permit Category: REGULAR UST ANNUAL INSPECTION (PER TANK)
Facility Status: ACTIVE
Expiration Date: 10/31/2022

CERS:
Name: CIRCLE K STORES INC. SITE #2211306
Address: 16894 VALLEY BLVD
City,State,Zip: FONTANA, CA 92335
Site ID: 19146
CERS ID: 10041142
CERS Description: Chemical Storage Facilities

Violations:
Site ID: 19146
Site Name: Circle K Stores Inc. Site #2211306
Violation Date: 04-09-2014
Citation: HSC 6.7 29291(b) - California Health and Safety Code, Chapter 6.7, Section(s) 29291(b)
Violation Description: Failure of the UST system to be designed and constructed with a monitoring system capable of detecting the entry of the hazardous substance stored in the primary containment into the secondary containment.
Violation Notes: Returned to compliance on 07/09/2014. FAILURES WERE DOCUMENTED DURING SECONDARY CONTAINMENT TESTS CONDUCTED ON 4/9/14 BY BELSHIRE ENVIRONMENTAL SERVICES. SECONDARY PRODUCT PIPING FAILED AND ALL THE UNDER DISPENSER CONTAINMENTS FAILED. FACILITY MUST DETERMINE THE CAUSE OF THE FAILURES AND COORDINATE WITH THIS DEPARTMENT TO DETERMINE IF A PERMIT IS REQUIRED TO MAKE REPAIRS. THIS DEPARTMENT MUST BE NOTIFIED

MOBIL STATION (Continued) **S101591773**

PRIOR TO RETESTING OF THE FAILED SECONDARY CONTAINMENTS. Received SB 989 TESTS VIA EMAIL FROM VESTA SLAYMAN AND PROVIDED PASSING RESULTS. RETEST performed 6/9/14 PS

Violation Division: San Bernardino County Fire Department
Violation Program: UST
Violation Source: CERS,

Site ID: 19146
Site Name: Circle K Stores Inc. Site #2211306
Violation Date: 12-11-2014
Citation: HSC 6.95 25508(d) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(d)
Violation Description: Failure to complete and/or electronically submit a business plan when storing/handling a hazardous material at or above reportable quantities.
Violation Notes: Returned to compliance on 02/01/2015. BUSINESS PLAN INVENTORY WAS NOT COMPLETED ON CERS SUBMITTAL. COMPLIANCE REQUIREMENT: SUBMIT COMPLETE INVENTORY INCLUDING HAZARDOUS WASTE AND CAR WASH HAZARDOUS MATERIALS ABOVE 55 GALLON QUANTITIES TO CERS. SUBMIT A SIGNED CERTIFICATE OF COMPLIANCE WITHIN 30 DAYS.
Violation Division: San Bernardino County Fire Department
Violation Program: HMRRP
Violation Source: CERS,

Site ID: 19146
Site Name: Circle K Stores Inc. Site #2211306
Violation Date: 08-28-2014
Citation: HSC 6.7 25299 - California Health and Safety Code, Chapter 6.7, Section(s) 25299
Violation Description: Failure to comply with one or more of the operating permit conditions.
Violation Notes: Returned to compliance on 08/28/2014. DURING SB989 TESTING WATER FLOWED FROM THE UDC TO THE 87 MAIN STP SUMP. THE LIQUID SENSOR WAS X-ED OUT BY THE UST TECHNICIAN BYPASSING THE UST MONITORING SYSTEM TO PREVENT POSITIVE SHUT DOWN. ADVISED UST TECHNICIAN NOT TO BYPASS THE SENSOR WHEN IN ALARM BUT TO REMOVE THE WATER THAT HAD GONE INTO THE SUMP INSTEAD. TO BYPASS A SENSOR IS TAMPERING WITH THE UST MONITORING SYSTEM. LIQUID WAS REMOVED AND SENSOR WAS PROGRAMMED BACK INTO THE UST MONITORING SYSTEM AND RECERTIFIED AT TIME OF INSPECTION.
Violation Division: San Bernardino County Fire Department
Violation Program: UST
Violation Source: CERS,

Site ID: 19146
Site Name: Circle K Stores Inc. Site #2211306
Violation Date: 12-11-2014
Citation: HSC 6.75 25299.30-25299.34 - California Health and Safety Code, Chapter 6.75, Section(s) 25299.30-25299.34
Violation Description: Failure to submit and maintain complete and current Certification of Financial Responsibility or other mechanism of financial assurance.
Violation Notes: Returned to compliance on 02/23/2015. CFR ON CERS WAS EXPIRED ON 12/1/14. COMPIANCE REQUIREMENT: UPLOAD CURRENT CFR TO CERS. SUBMIT A SIGNED CERITIFCATE OF COMPLIANCE WITHIN 30 DAYS.
Violation Division: San Bernardino County Fire Department
Violation Program: UST
Violation Source: CERS,

Site ID: 19146

MOBIL STATION (Continued) **S101591773**

Site Name:	Circle K Stores Inc. Site #2211306
Violation Date:	01-07-2014
Citation:	HSC 6.7 25299 - California Health and Safety Code, Chapter 6.7, Section(s) 25299
Violation Description:	Failure to comply with one or more of the operating permit conditions.
Violation Notes:	Returned to compliance on 01/30/2014. 87 REGULAR TANK ANNULAR SENSOR FAILED WHEN TESTED. REPLACE INOPERABLE SENSOR IMMEDIATELY AND SCHEDULE A WITNESSED RETEST WITH THIS DEPARTMANT WITHIN 7 DAYS.
Violation Division:	San Bernardino County Fire Department
Violation Program:	UST
Violation Source:	CERS,
Site ID:	19146
Site Name:	Circle K Stores Inc. Site #2211306
Violation Date:	04-09-2014
Citation:	HSC 6.7 25292.1(a) - California Health and Safety Code, Chapter 6.7, Section(s) 25292.1(a)
Violation Description:	Failure to operate the UST system to prevent spills and/or overfills.
Violation Notes:	Returned to compliance on 07/09/2014. FAILURES WERE DOCUMENTED DURING SECONDARY CONTAINMENT TESTS CONDUCTED ON 4/9/14 BY BELSHIRE ENVIRONMENTAL SERVICES. SECONDARY PRODUCT PIPING FAILED AND ALL THE UNDER DISPENSER CONTAINMENTS FAILED. FACILITY MUST DETERMINE THE CAUSE OF THE FAILURES AND COORDINATE WITH THIS DEPARTMENT TO DETERMINE IF A PERMIT IS REQUIRED TO MAKE REPAIRS. THIS DEPARTMENT MUST BE NOTIFIED PRIOR TO RETESTING OF THE FAILED SECONDARY CONTAINMENTS. Received SB 989 TESTS VIA EMAIL FROM VESTA SLAYMAN AND PROVIDED PASSING RESULTS. RETEST performed 6/9/14 PS
Violation Division:	San Bernardino County Fire Department
Violation Program:	UST
Violation Source:	CERS,
Site ID:	19146
Site Name:	Circle K Stores Inc. Site #2211306
Violation Date:	12-06-2016
Citation:	23 CCR 16 2715(c) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2715(c)
Violation Description:	Failure to comply with one or more of the following designated operator (DO) monthly inspection requirements: Be performed by an ICC certified DO. Inspect monthly alarm history report, check that alarms are documented and responded to appropriately, and attach a copy. Inspect for the presence of liquid/debris in spill containers. Inspect for the presence of liquid/debris in under dispenser containment (UDC) and ensure that the monitoring equipment is positioned correctly. Inspect for liquid or debris in containment sumps where an alarm occurred with no service visit. Check that all testing and maintenance has been completed and documented. Verify that all facility employees have been properly trained.
Violation Notes:	Returned to compliance on 12/11/2017. OBSERVATION: PER REVIEW OF AVAILABLE ON-SITE RECORDS, THE ANNUAL DESIGNATED OPERATOR SAFETY TRAINING WAS LAST PERFORMED AND DOCUMENTED ON 1/14/15. SHOULD THIS BE THE MOST RECENT TRAINING DATE, THE FACILITY IS IN VIOLATION FOR SAFETY TRAINING FOR ALMOST 2 YEARS. REQUIREMENT: IMMEDIATELY PROVIDE THE ANNUAL TRAINING FOR ALL APPLICABLE EMPLOYEES OR PROVIDE EVIDENCE TO THIS DEPARTMENT THAT SAFETY TRAINING IS CURRENT. UPON COMPLETION, SUBMIT A COPY OF THE TRAINING ROSTER (WITH SIGNATURES) AND SIGN/RETURN THE CERTIFICATE OF COMPLIANCE TO JKOOYMAN@SBCFIRE.ORG TO CLEAR THE VIOLATION.

MOBIL STATION (Continued) **S101591773**

Violation Division:	San Bernardino County Fire Department
Violation Program:	UST
Violation Source:	CERS,
Site ID:	19146
Site Name:	Circle K Stores Inc. Site #2211306
Violation Date:	12-11-2017
Citation:	HSC 6.7 25284, 25286 - California Health and Safety Code, Chapter 6.7, Section(s) 25284, 25286
Violation Description:	Failure to submit a complete and accurate application for a permit to operate a UST, or for renewal of the permit.
Violation Notes:	Returned to compliance on 02/27/2018. OBSERVATION: SUBMITTED UNDERGROUND STORAGE TANK (UST) INFORMATION IN CALIFORNIA ENVIRONMENTAL REPORTING SYSTEM (CERS) WAS NOT ACCURATE, COMPLETE, OR CURRENT. UPDATE THE FOLLOWING: 1) UPDATE TANK INSTALLED DATES TO 1/1/1998 COMPLIANCE REQUIREMENT: RESUBMIT UPDATED UST INFORMATION IN CERS.
Violation Division:	San Bernardino County Fire Department
Violation Program:	UST
Violation Source:	CERS,
Site ID:	19146
Site Name:	Circle K Stores Inc. Site #2211306
Violation Date:	12-09-2015
Citation:	HSC 6.7 25286(a) - California Health and Safety Code, Chapter 6.7, Section(s) 25286(a)
Violation Description:	Failure to submit an complete and accurate application for a permit to operate an underground storage tank, or for renewal of the permit.
Violation Notes:	Returned to compliance on 01/19/2016. OBSERVATION:1) The documentation in CERS(California Environmental Reporting System) noted that the UST system has VR 407 annular sensors. As per inspection, all four USTs were observed with VR 409. Compliance Requirement-Updated the CERS with the correct annular sensor model.
Violation Division:	San Bernardino County Fire Department
Violation Program:	UST
Violation Source:	CERS,
Site ID:	19146
Site Name:	Circle K Stores Inc. Site #2211306
Violation Date:	12-18-2018
Citation:	HSC 6.7 25284.2 - California Health and Safety Code, Chapter 6.7, Section(s) 25284.2
Violation Description:	"Failure to meet one or more of the following requirements: Install or maintain a liquid-tight spill container. Have a minimum capacity of five gallons. Have a functional drain valve or other method for the removal of liquid from the spill container. Be resistant to galvanic corrosion. Perform a tightness test at installation, every 12 months thereafter, or within 30 days after a repair to the spill container. Tested using applicable manufacturer guidelines, industry codes, engineering standards, or a method approved by a professional engineer. Tested by a certified UST service technician. Maintain records of spill containment testing for 36 months. "
Violation Notes:	Returned to compliance on 08/22/2019.
Violation Division:	San Bernardino County Fire Department
Violation Program:	UST
Violation Source:	CERS,
Site ID:	19146

MOBIL STATION (Continued) **S101591773**

Site Name:	Circle K Stores Inc. Site #2211306
Violation Date:	12-06-2016
Citation:	HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description:	Failure to annually review and electronically certify that the business plan is complete and accurate on or before the annual due date.
Violation Notes:	Returned to compliance on 03/17/2017. OBSERVATION: THE EMERGENCY CONTACT INFORMATION FOR THE SAN BERNARDINO COUNTY FIRE DEPARTMENT (CUPA) IS INCORRECT. REQUIREMENT: WITHIN 30 DAYS, UPDATE THE EMERGENCY RESPONSE/CONTINGENCY PLAN TO REFLECT THE EMERGENCY CONTACT NUMBER AS (909) 386-8425 (NOT 386-8401) AND RE-SUBMIT TO CERS. SIGN AND RETURN THE CERTIFICATE OF COMPLIANCE TO JKOOYMAN@SBCFIRE.ORG UPON COMPLETION. CERS SUBMITTAL ON 3/14/207 ADDRESSES THIS VIOLATION. 9/17/2017 ASAGUAN
Violation Division:	San Bernardino County Fire Department
Violation Program:	HMRRP
Violation Source:	CERS,
Site ID:	19146
Site Name:	Circle K Stores Inc. Site #2211306
Violation Date:	12-18-2018
Citation:	23 CCR 16 2712(b)(1)(G) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2712(b)(1)(G)
Violation Description:	Failure to comply with one or more of the following overfill prevention equipment requirements: Alert the transfer operator when the tank is 90 percent full by restricting the flow into the tank or triggering an audible and visual alarm; or Restrict delivery of flow to the tank at least 30 minutes before the tank overfills, provided the restriction occurs when the tank is filled to no more than 95 percent of capacity; and activate an audible alarm at least five minutes before the tank overfills; or Provide positive shut-off of flow to the tank when the tank is filled to no more than 95 percent of capacity; or Provide positive shut-off of flow to the tank so that none of the fittings located on the top of the tank are exposed to product due to overfilling. Install/retrofit overfill prevention equipment that does not use flow restrictors on vent piping to meet overfill prevention equipment requirements when the overfill prevention equipment is installed, repaired, or replaced on and after October 1, 2018. For USTs installed before October 1, 2018, perform an inspection by October 13, 2018 and every 36 months thereafter. For USTs installed on and after October 1, 2018, perform an inspection at installation and every 36 months thereafter. Inspected within 30 days after a repair to the overfill prevention equipment. Inspected using an applicable manufacturer guidelines, industry codes, engineering standards, or a method approved by a professional engineer. Inspected by a certified UST service technician. Maintain records of overfill prevention equipment inspection for 36 months.
Violation Notes:	Returned to compliance on 08/22/2019.
Violation Division:	San Bernardino County Fire Department
Violation Program:	UST
Violation Source:	CERS,
Site ID:	19146
Site Name:	Circle K Stores Inc. Site #2211306
Violation Date:	03-30-2020
Citation:	HSC 6.7 25291(a)(2) - California Health and Safety Code, Chapter 6.7, Section(s) 25291(a)(2)

MOBIL STATION (Continued) **S101591773**

Violation Description: Failure to maintain secondary containment (e.g., failure of secondary containment testing).
Violation Notes: Returned to compliance on 07/16/2020. OBSERVATION: The 87 S and the 91 UST Product Piping failed SB 989 Secondary Containment Testing. CORRECTIVE ACTION: Submit plans to obtain a permit for the repairs of the failures within sixty (60) days.
Violation Division: San Bernardino County Fire Department
Violation Program: UST
Violation Source: CERS,

Evaluation:
Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-07-2014
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: UST ANNUAL INSPECTION WITH MONITORING SYSTEM CERTIFICATION.
Eval Division: San Bernardino County Fire Department
Eval Program: UST
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 02-23-2015
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: FOLLOW UP UST INSPECTION
Eval Division: San Bernardino County Fire Department
Eval Program: UST
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 04-09-2014
Violations Found: Yes
Eval Type: Other, not routine, done by local agency
Eval Notes: SB989 NOTIFICATION.
Eval Division: San Bernardino County Fire Department
Eval Program: UST
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 12-01-2020
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: ANNUAL UST, HM HW INSPECTIONS
Eval Division: San Bernardino County Fire Department
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 12-09-2021
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: ANNUAL UST INSPECTION WITH MONITORING SYSTEM CERTIFICATION.
Eval Division: San Bernardino County Fire Department
Eval Program: UST
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection

MOBIL STATION (Continued) **S101591773**

Eval Date:	12-09-2021
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	HAZARDOUS MATERIALS INSPECTION
Eval Division:	San Bernardino County Fire Department
Eval Program:	HMRRP
Eval Source:	CERS,
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	12-11-2014
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	WASTE INCIDENTAL TO UST INSPECTION
Eval Division:	San Bernardino County Fire Department
Eval Program:	HW
Eval Source:	CERS,
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	12-11-2014
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	HAZARDOUS MATERIALS HANDLER INSPECTION UST ONLY
Eval Division:	San Bernardino County Fire Department
Eval Program:	HMRRP
Eval Source:	CERS,
Eval General Type:	Other/Unknown
Eval Date:	09-16-2014
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	circle k - fontana Reinspection for non-permit required SB989 retest
Eval Division:	San Bernardino County Fire Department
Eval Program:	UST
Eval Source:	CERS,
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	12-01-2020
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	ANNUAL UST, HM HW INSPECTIONS
Eval Division:	San Bernardino County Fire Department
Eval Program:	HW
Eval Source:	CERS,
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	12-01-2020
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	ANNUAL UST, HM HW INSPECTIONS
Eval Division:	San Bernardino County Fire Department
Eval Program:	UST
Eval Source:	CERS,
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	12-11-2017
Violations Found:	No
Eval Type:	Routine done by local agency

MOBIL STATION (Continued) **S101591773**

Eval Notes: Not reported
Eval Division: San Bernardino County Fire Department
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 12-11-2017
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: ANNUAL UST INSPECTION WITH MONITORING CERTIFICATION
Eval Division: San Bernardino County Fire Department
Eval Program: UST
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-07-2014
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: HAZ MAT INSPECTION IN CONJUNCTION WITH UST ANNUAL INSPECTION.
Eval Division: San Bernardino County Fire Department
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 01-30-2014
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: re- inspection to clear violation
Eval Division: San Bernardino County Fire Department
Eval Program: UST
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 08-28-2014
Violations Found: Yes
Eval Type: Other, not routine, done by local agency
Eval Notes: SB989 RETEST
Eval Division: San Bernardino County Fire Department
Eval Program: UST
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 12-03-2019
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: San Bernardino County Fire Department
Eval Program: UST
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 12-09-2015
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: CIRCLE K(MOBIL) FONTANA- UST WASTE INSPECTION
Eval Division: San Bernardino County Fire Department
Eval Program: HW

MOBIL STATION (Continued) **S101591773**

Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 12-09-2015
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: MOBIL(CIRCLE K) FONTANA-UST INSPECTION
Eval Division: San Bernardino County Fire Department
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 12-11-2014
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: ANNUAL MONITORING CERTIFICATION WITH RIDE ALONG CYNTHIA OTTER
Eval Division: San Bernardino County Fire Department
Eval Program: UST
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 12-11-2017
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: San Bernardino County Fire Department
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 12-18-2018
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Haz mat handler inspection
Eval Division: San Bernardino County Fire Department
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 12-18-2018
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: UST Annual inspection, Overfill Prevention Iinspection and Monitoring Cert
Eval Division: San Bernardino County Fire Department
Eval Program: UST
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 03-30-2020
Violations Found: Yes
Eval Type: Other, not routine, done by local agency
Eval Notes: SB 989 TEST RESULTS FROM BELSHIRE. FAILURE NOTED. VIOLATION ISSUED. - Refer to Narrative.
Eval Division: San Bernardino County Fire Department
Eval Program: UST
Eval Source: CERS,

MOBIL STATION (Continued) **S101591773**

Eval General Type:	Other/Unknown
Eval Date:	08-22-2019
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	On-site to conduct a final plan check inspection for installation of four Franklin Fueling drop tubes, removal of all ball floats and installation of four (4) 5-gallon Phil-Tite spill buckets for all UST tanks.
Eval Division:	San Bernardino County Fire Department
Eval Program:	UST
Eval Source:	CERS,
Eval General Type:	Other/Unknown
Eval Date:	08-22-2019
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	Witnessed the OPE inspection. Results pending.
Eval Division:	San Bernardino County Fire Department
Eval Program:	UST
Eval Source:	CERS,
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	12-06-2016
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	UST FIELD INSPECTION-ANNUAL MONITORING SYSTEM CERTIFICATION (4 TANKS) W/AL QUIROS
Eval Division:	San Bernardino County Fire Department
Eval Program:	UST
Eval Source:	CERS,
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	12-06-2016
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	UST HANDLER INSPECTION AND CERS REVIEW
Eval Division:	San Bernardino County Fire Department
Eval Program:	HMRRP
Eval Source:	CERS,
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	12-09-2015
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	MOBIL(CIRCLE K) FONTANA- UST MONITORING CERTIFICATION
Eval Division:	San Bernardino County Fire Department
Eval Program:	UST
Eval Source:	CERS,
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	12-09-2021
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	HAZARDOUS WASTE INSPECTION.
Eval Division:	San Bernardino County Fire Department
Eval Program:	HW
Eval Source:	CERS,

MOBIL STATION (Continued) **S101591773**

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	12-18-2018
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Haz Waste generator inspection
Eval Division:	San Bernardino County Fire Department
Eval Program:	HW
Eval Source:	CERS,

Enforcement Action:

Site ID:	19146
Site Name:	Circle K Stores Inc. Site #2211306
Site Address:	16894 VALLEY BLVD
Site City:	FONTANA
Site Zip:	92335
Enf Action Date:	01-07-2014
Enf Action Type:	Notice of Violation (Unified Program)
Enf Action Description:	Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes:	Not reported
Enf Action Division:	San Bernardino County Fire Department
Enf Action Program:	UST
Enf Action Source:	CERS,

Site ID:	19146
Site Name:	Circle K Stores Inc. Site #2211306
Site Address:	16894 VALLEY BLVD
Site City:	FONTANA
Site Zip:	92335
Enf Action Date:	04-09-2014
Enf Action Type:	Notice of Violation (Unified Program)
Enf Action Description:	Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes:	Not reported
Enf Action Division:	San Bernardino County Fire Department
Enf Action Program:	UST
Enf Action Source:	CERS,

Site ID:	19146
Site Name:	Circle K Stores Inc. Site #2211306
Site Address:	16894 VALLEY BLVD
Site City:	FONTANA
Site Zip:	92335
Enf Action Date:	08-28-2014
Enf Action Type:	Notice of Violation (Unified Program)
Enf Action Description:	Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes:	Not reported
Enf Action Division:	San Bernardino County Fire Department
Enf Action Program:	UST
Enf Action Source:	CERS,

Site ID:	19146
Site Name:	Circle K Stores Inc. Site #2211306
Site Address:	16894 VALLEY BLVD
Site City:	FONTANA
Site Zip:	92335
Enf Action Date:	12-06-2016
Enf Action Type:	Notice of Violation (Unified Program)
Enf Action Description:	Notice of Violation Issued by the Inspector at the Time of Inspection

MOBIL STATION (Continued) **S101591773**

Enf Action Notes: Not reported
Enf Action Division: San Bernardino County Fire Department
Enf Action Program: HMRRP
Enf Action Source: CERS,

Site ID: 19146
Site Name: Circle K Stores Inc. Site #2211306
Site Address: 16894 VALLEY BLVD
Site City: FONTANA
Site Zip: 92335
Enf Action Date: 12-06-2016
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: San Bernardino County Fire Department
Enf Action Program: UST
Enf Action Source: CERS,

Site ID: 19146
Site Name: Circle K Stores Inc. Site #2211306
Site Address: 16894 VALLEY BLVD
Site City: FONTANA
Site Zip: 92335
Enf Action Date: 12-09-2015
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: San Bernardino County Fire Department
Enf Action Program: UST
Enf Action Source: CERS,

Site ID: 19146
Site Name: Circle K Stores Inc. Site #2211306
Site Address: 16894 VALLEY BLVD
Site City: FONTANA
Site Zip: 92335
Enf Action Date: 12-11-2014
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: San Bernardino County Fire Department
Enf Action Program: HMRRP
Enf Action Source: CERS,

Site ID: 19146
Site Name: Circle K Stores Inc. Site #2211306
Site Address: 16894 VALLEY BLVD
Site City: FONTANA
Site Zip: 92335
Enf Action Date: 12-11-2014
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: San Bernardino County Fire Department
Enf Action Program: UST
Enf Action Source: CERS,

MOBIL STATION (Continued) **S101591773**

Coordinates:

Site ID:	19146
Facility Name:	Circle K Stores Inc. Site #2211306
Env Int Type Code:	HWG
Program ID:	10041142
Coord Name:	Not reported
Ref Point Type Desc:	Unknown,
Latitude:	34.070758
Longitude:	-117.436111

Affiliation:

Affiliation Type Desc:	Identification Signer
Entity Name:	Robert Velasco
Entity Title:	Agent For Circle K
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,
Affiliation Type Desc:	CUPA District
Entity Name:	San Bernardino County Fire
Entity Title:	Not reported
Affiliation Address:	620 South E Street
Affiliation City:	San Bernardino
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	92415-0153
Affiliation Phone:	(909) 386-8401,
Affiliation Type Desc:	Environmental Contact
Entity Name:	Yolanda Jones
Entity Title:	Not reported
Affiliation Address:	P.O. Box 52085, Attn: Environmental
Affiliation City:	Phoenix
Affiliation State:	AZ
Affiliation Country:	Not reported
Affiliation Zip:	85072
Affiliation Phone:	,
Affiliation Type Desc:	Facility Mailing Address
Entity Name:	Mailing Address
Entity Title:	Not reported
Affiliation Address:	P.O. Box 52085, Attn: Environmental
Affiliation City:	Phoenix
Affiliation State:	AZ
Affiliation Country:	Not reported
Affiliation Zip:	85072
Affiliation Phone:	,
Affiliation Type Desc:	Parent Corporation
Entity Name:	Circle K Stores Inc.
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported

MOBIL STATION (Continued) **S101591773**

Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,
Affiliation Type Desc:	UST Property Owner Name
Entity Name:	Joseph G. & Mary R. Garcel
Entity Title:	Not reported
Affiliation Address:	17242 Upland Ave
Affiliation City:	Fontana
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	92335
Affiliation Phone:	(909) 822-4087,
Affiliation Type Desc:	UST Tank Operator
Entity Name:	Young Joo Kim
Entity Title:	Not reported
Affiliation Address:	16894 Valley Blvd.
Affiliation City:	Fontana
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	92335
Affiliation Phone:	(909) 822-4087,
Affiliation Type Desc:	Document Preparer
Entity Name:	Robert Velasco
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,
Affiliation Type Desc:	Legal Owner
Entity Name:	Young Joo Kim
Entity Title:	Not reported
Affiliation Address:	16894 Valley Blvd
Affiliation City:	Fontana
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	92335
Affiliation Phone:	(909) 822-4087,
Affiliation Type Desc:	Operator
Entity Name:	Young Joo Kim
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	(980) 875-1745,
Affiliation Type Desc:	Property Owner
Entity Name:	Joseph G. & Mary R. Garcel

MOBIL STATION (Continued) **S101591773**

Entity Title:	Not reported
Affiliation Address:	17242 Upland Ave.
Affiliation City:	Fontana
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	92335
Affiliation Phone:	(909) 822-4087,
Affiliation Type Desc:	UST Permit Applicant
Entity Name:	Robert Velasco
Entity Title:	Agent For Circle K
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	(661) 250-9300,
Affiliation Type Desc:	UST Tank Owner
Entity Name:	Circle K Stores Inc.
Entity Title:	Not reported
Affiliation Address:	P.O. Box 52085, Attn: Environmental
Affiliation City:	Phoenix
Affiliation State:	AZ
Affiliation Country:	United States
Affiliation Zip:	85072
Affiliation Phone:	(980) 875-1745,

J56 **KIM'S MOBIL #18-E1Y** **UST** **U004350371**
ENE **16894 VALLEY BLVD** **N/A**
1/8-1/4 **FONTANA, CA 92335**
0.232 mi.
1223 ft. **Site 12 of 14 in cluster J**

Relative: UST:
Higher

Name:	KIM'S MOBIL #18-E1Y
Address:	16894 VALLEY BLVD
City,State,Zip:	FONTANA, CA 92335
Facility ID:	86008808
Permitting Agency:	SAN BERNARDINO COUNTY
CERSID:	Not reported
Latitude:	34.072106
Longitude:	-117.43476

Actual:
1126 ft.

J57 **CIRCLE K STORE #2211306** **RCRA NonGen / NLR** **1024832022**
ENE **16894 VALLEY BLVD** **CAL000369673**
1/8-1/4 **FONTANA, CA 92335**
0.232 mi.
1223 ft. **Site 13 of 14 in cluster J**

Relative: RCRA NonGen / NLR:
Higher

Date Form Received by Agency:		20111205
Handler Name:	CIRCLE K STORE #2211306	
Handler Address:		16894 VALLEY BLVD
Handler City,State,Zip:		FONTANA, CA 92335

Actual:
1126 ft.

CIRCLE K STORE #2211306 (Continued) **1024832022**

EPA ID:	CAL000369673
Contact Name:	KRISTI HODGE
Contact Address:	255 E. RINCON ST. SUITE 100
Contact City,State,Zip:	CORONA, CA 92879
Contact Telephone:	951-270-5153
Contact Fax:	951-270-5116
Contact Email:	KHODGE@CIRCLEK.COM
Contact Title:	Not reported
EPA Region:	09
Land Type:	Not reported
Federal Waste Generator Description:	Not a generator, verified
Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Handler Activities
State District Owner:	Not reported
State District:	Not reported
Mailing Address:	255 E RINCON ST STE 100
Mailing City,State,Zip:	CORONA, CA 92879-0000
Owner Name:	CIRCLE K STORES INC
Owner Type:	Other
Operator Name:	KRISTI HODGE
Operator Type:	Other
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	Yes
Universal Waste Destination Facility:	Yes
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No

CIRCLE K STORE #2211306 (Continued) **1024832022**

TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20180906
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Operator
Owner/Operator Name:	KRISTI HODGE
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	255 E. RINCON ST. SUITE 100
Owner/Operator City,State,Zip:	CORONA, CA 92879
Owner/Operator Telephone:	951-270-5153
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Owner
Owner/Operator Name:	CIRCLE K STORES INC
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	255 E RINCON ST STE 100
Owner/Operator City,State,Zip:	CORONA, CA 92879-0000
Owner/Operator Telephone:	951-270-5153
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	20111205
Handler Name: CIRCLE K STORE #2211306	
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No

CIRCLE K STORE #2211306 (Continued) **1024832022**

Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Code: 44719
NAICS Description: OTHER GASOLINE STATIONS

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

J58 **YOUNG JOO KIM** **HIST UST** **U001574921**
ENE **16894 VALLEY BLVD** **N/A**
1/8-1/4 **FONTANA, CA 92335**
0.232 mi.
1223 ft. **Site 14 of 14 in cluster J**

Relative:
Higher

Actual:
1126 ft.

HIST UST:
Name: YOUNG JOO KIM
Address: 16894 VALLEY BLVD
City,State,Zip: FONTANA, CA 92335
File Number: 0002A2B7
URL: http://geotracker.waterboards.ca.gov/ustpdfs/pdf/0002A2B7.pdf
Region: STATE
Facility ID: 00000039413
Facility Type: Gas Station
Other Type: Not reported
Contact Name: Not reported
Telephone: 7148224087
Owner Name: MOBIL OIL CORPORATION
Owner Address: 612 S. FLOWER STREET
Owner City,St,Zip: LOS ANGELES, CA 90017
Total Tanks: 0004

Tank Num: 001
Container Num: 1
Year Installed: Not reported
Tank Capacity: 00012000
Tank Used for: PRODUCT
Type of Fuel: UNLEADED
Container Construction Thickness: Not reported
Leak Detection: Stock Inventor

Tank Num: 002
Container Num: 2
Year Installed: Not reported
Tank Capacity: 00010000
Tank Used for: PRODUCT
Type of Fuel: REGULAR
Container Construction Thickness: Not reported

YOUNG JOO KIM (Continued) **U001574921**

Leak Detection: Stock Inventor

Tank Num: 003
Container Num: 3
Year Installed: Not reported
Tank Capacity: 00006000
Tank Used for: PRODUCT
Type of Fuel: PREMIUM
Container Construction Thickness: Not reported
Leak Detection: Stock Inventor

Tank Num: 004
Container Num: 4
Year Installed: Not reported
Tank Capacity: 00000280
Tank Used for: WASTE
Type of Fuel: WASTE OIL
Container Construction Thickness: Not reported
Leak Detection: Stock Inventor

Click here for Geo Tracker PDF:

M59 **AIRGAS USA, LLC** **HAZNET** **S118214128**
WNW **16380 VALLEY BLVD** **San Bern. Co. Permit** **N/A**
1/8-1/4 **FONTANA, CA 92335** **CERS**
0.247 mi. **HWTS**
1303 ft. **Site 4 of 4 in cluster M**

Relative: Lower
Actual: 1114 ft.

HAZNET:
Name: AIRGAS USA
Address: 16380 VALLEY BLVD
Address 2: Not reported
City,State,Zip: FONTANA, CA 92335
Contact: JAKE DICIOCCIO
Telephone: 5626273112
Mailing Name: Not reported
Mailing Address: 16380 VALLEY BLVD

Year: 2014
Gepaid: CAC002775693
TSD EPA ID: NED981723513
CA Waste Code: 331 - Off-specification, aged or surplus organics
Disposal Method: H040 - Incineration--Thermal Destruction Other Than Use As A Fuel
Tons: 0.05

Additional Info:
Year: 2014
Gen EPA ID: CAC002775693

Shipment Date: 20140625
Creation Date: 11/13/2014 22:15:11
Receipt Date: 20140712
Manifest ID: 004375571SKS
Trans EPA ID: TXR000081205
Trans Name: SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID: AZR000513770

AIRGAS USA, LLC (Continued) **S118214128**

Trans 2 Name:	SLT
TSDF EPA ID:	NED981723513
Trans Name:	CLEAN HARBORS ENVIRONMENTAL SERVICES IN
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	331 - Off-specification, aged, or surplus organics
RCRA Code:	D008
Meth Code:	H040 - Incineration--Thermal Destruction Other Than Use As A Fuel
Quantity Tons:	0.05
Waste Quantity:	100
Quantity Unit:	P
Additional Code 1:	D007
Additional Code 2:	D006
Additional Code 3:	D005
Additional Code 4:	D001
Additional Code 5:	Not reported

San Bern. Co. Permit:

Name:	AIRGAS USA, LLC
Address:	16380 VALLEY BLVD
City,State,Zip:	FONTANA, CA 92335
Region:	SAN BERNARDINO
Facility ID:	FA0005237
Owner:	AIRGAS USA LLC
Permit Number:	PT0004669
Permit Category:	HAZARDOUS MATERIALS 11-30 CHEMICALS
Facility Status:	ACTIVE
Expiration Date:	08/31/2022

CERS:

Name:	AIRGAS USA, LLC
Address:	16380 VALLEY BLVD
City,State,Zip:	FONTANA, CA 92335
Site ID:	384406
CERS ID:	10146105
CERS Description:	Chemical Storage Facilities

Evaluation:

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	03-14-2014
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	handler only insp
Eval Division:	San Bernardino County Fire Department
Eval Program:	HMRRP
Eval Source:	CERS,

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	09-17-2020
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Not reported
Eval Division:	San Bernardino County Fire Department
Eval Program:	HMRRP
Eval Source:	CERS,

Eval General Type:	Compliance Evaluation Inspection

AIRGAS USA, LLC (Continued) **S118214128**

Eval Date: 11-08-2017
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: San Bernardino County Fire Department
Eval Program: HMRRP
Eval Source: CERS,

Coordinates:
Site ID: 384406
Facility Name: AIRGAS USA, LLC
Env Int Type Code: HMBP
Program ID: 10146105
Coord Name: Not reported
Ref Point Type Desc: Center of a facility or station.,
Latitude: 34.070860
Longitude: -117.447010

Affiliation:
Affiliation Type Desc: Environmental Contact
Entity Name: Philip Tamayo
Entity Title: Not reported
Affiliation Address: 3737 Worsham Avenue
Affiliation City: Long Beach
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 90808
Affiliation Phone: ,

Affiliation Type Desc: Legal Owner
Entity Name: Airgas USA, LLC
Entity Title: Not reported
Affiliation Address: 3737 Worsham Ave.
Affiliation City: Long Beach
Affiliation State: CA
Affiliation Country: United States
Affiliation Zip: 90808
Affiliation Phone: (562) 497-1991,

Affiliation Type Desc: Operator
Entity Name: Airgas USA, LLC
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: (909) 350-2551,

Affiliation Type Desc: Parent Corporation
Entity Name: Airgas USA, LLC
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported

AIRGAS USA, LLC (Continued) **S118214128**

Affiliation Zip: Not reported
Affiliation Phone: ,

Affiliation Type Desc: Document Preparer
Entity Name: Silverio Gaviola
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

Affiliation Type Desc: Identification Signer
Entity Name: Silverio Gaviola
Entity Title: Safety & Compliance Support
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

Affiliation Type Desc: Facility Mailing Address
Entity Name: Mailing Address
Entity Title: Not reported
Affiliation Address: 3737 Worsham Avenue
Affiliation City: Long Beach
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 90808
Affiliation Phone: ,

Affiliation Type Desc: CUPA District
Entity Name: San Bernardino County Fire
Entity Title: Not reported
Affiliation Address: 620 South E Street
Affiliation City: San Bernardino
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 92415-0153
Affiliation Phone: (909) 386-8401,

HWTS:
Name: AIRGAS USA
Address: 16380 VALLEY BLVD
Address 2: Not reported
City,State,Zip: FONTANA, CA 92335
EPA ID: CAC002775693
Inactive Date: 09/19/2014
Create Date: 06/20/2014
Last Act Date: Not reported
Mailing Name: Not reported
Mailing Address: 16380 VALLEY BLVD
Mailing Address 2: Not reported
Mailing City,State,Zip: FONTANA, CA 92335

AIRGAS USA, LLC (Continued) **S118214128**

Owner Name:	AIRGAS USA LLC
Owner Address:	3737 WORSHAM AVE
Owner Address 2:	Not reported
Owner City,State,Zip:	LONG BEACH, CA 908081774
Contact Name:	JAKE DICIOCCIO
Contact Address:	16380 VALLEY BLVD
Contact Address 2:	Not reported
City,State,Zip:	FONTANA, CA 92335
Facility Status:	Inactive
Facility Type:	TEMPORARY
Category:	STATE
Latitude:	34.070402
Longitude:	-117.446993

NAICS:

EPA ID:	CAC002775693
Create Date:	2014-06-20 15:24:12.157
NAICS Code:	99999
NAICS Description:	Not Otherwise Specified
Issued EPA ID Date:	2014-06-20 15:24:12.16000
Inactive Date:	2014-09-19 15:24:12.15700
Facility Name:	AIRGAS USA
Facility Address:	16380 VALLEY BLVD
Facility Address 2:	Not reported
Facility City:	FONTANA
Facility County:	Not reported
Facility State:	CA
Facility Zip:	92335

---

60 **WOODLAND PALLETS** **San Bern. Co. Permit** **S111859542**
SSE **16760 BOYLE AVE** **N/A**
1/8-1/4 **FONTANA, CA 92337**
0.248 mi.
1309 ft.

Relative:
Lower

Actual:
1098 ft.

San Bern. Co. Permit:

Name:	WOODLAND PALLETS
Address:	16760 BOYLE AVE
City,State,Zip:	FONTANA, CA 92337
Region:	SAN BERNARDINO
Facility ID:	FA0014436
Owner:	WOODLAND PALLETS CORP
Permit Number:	PT0025321
Permit Category:	HAZARDOUS MATERIALS 1-3 CHEMICALS SPECIAL
Facility Status:	INACTIVE
Expiration Date:	05/31/2019

O61 **ARCO #1815** **LUST** **S113113831**
ENE **10087 SIERRA BLVD** **Cortese** **N/A**
1/4-1/2 **FONTANA, CA 92335** **HAZNET**
0.280 mi. **HWTS**
1479 ft. **Site 1 of 3 in cluster O**

Relative:
Higher

Actual:
1126 ft.

LUST:

Name:	ARCO #1815
Address:	10087 SIERRA BLVD
City,State,Zip:	FONTANA, CA 92335
Lead Agency:	SAN BERNARDINO COUNTY
Case Type:	LUST Cleanup Site
Geo Track:	http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T10000005327
Global Id:	T10000005327
Latitude:	34.07208
Longitude:	-117.4339
Status:	Completed - Case Closed
Status Date:	01/29/1991
Case Worker:	Not reported
RB Case Number:	Not reported
Local Agency:	Not reported
File Location:	Not reported
Local Case Number:	Not reported
Potential Media Affect:	Not reported
Potential Contaminants of Concern:	Not reported
Site History:	Not reported

LUST:

Global Id:	T10000005327
Action Type:	Other
Date:	09/21/1990
Action:	Leak Began

Global Id:	T10000005327
Action Type:	Other
Date:	09/21/1990
Action:	Leak Discovery

Global Id:	T10000005327
Action Type:	Other
Date:	09/21/1990
Action:	Leak Reported

LUST:

Global Id:	T10000005327
Status:	Open - Case Begin Date
Status Date:	09/21/1990

Global Id:	T10000005327
Status:	Completed - Case Closed
Status Date:	01/29/1991

CORTESE:

Name:	ARCO #1815
Address:	10087 SIERRA BLVD
City,State,Zip:	FONTANA, CA 92335
Region:	CORTESE
Envirostor Id:	Not reported

ARCO #1815 (Continued) **S113113831**

Global ID:	T10000005327
Site/Facility Type:	LUST CLEANUP SITE
Cleanup Status:	COMPLETED - CASE CLOSED
Status Date:	Not reported
Site Code:	Not reported
Latitude:	Not reported
Longitude:	Not reported
Owner:	Not reported
Enf Type:	Not reported
Swat R:	Not reported
Flag:	active
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
File Name:	Active Open

HAZNET:

Name:	BP WEST COAST PRODUCTS LLC 01815
Address:	10087 SIERRA
Address 2:	Not reported
City,State,Zip:	FONTANA, CA 923350000
Contact:	CARLOS RODRIGUEZ
Telephone:	7146705402
Mailing Name:	Not reported
Mailing Address:	PO BOX 6038
Year:	2002
Gepaid:	CAL000225441
TSD EPA ID:	CAT080013352
CA Waste Code:	134 - Aqueous solution with total organic residues less than 10 percent
Disposal Method:	R01 - Recycler
Tons:	1.26

Additional Info:

Year:	2002
Gen EPA ID:	CAL000225441
Shipment Date:	20020501
Creation Date:	7/29/2002 18:41:42
Receipt Date:	20020509
Manifest ID:	21621550
Trans EPA ID:	CAD983584681
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	134 - Aqueous solution with <10% total organic residues

ARCO #1815 (Continued) **S113113831**

RCRA Code:	Not reported
Meth Code:	R01 - Recycler
Quantity Tons:	1.26
Waste Quantity:	300
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

HWTS:

Name:	BP WEST COAST PRODUCTS LLC 01815
Address:	10087 SIERRA
Address 2:	Not reported
City,State,Zip:	FONTANA, CA 92335
EPA ID:	CAL000225441
Inactive Date:	06/30/2002
Create Date:	12/13/2001
Last Act Date:	Not reported
Mailing Name:	Not reported
Mailing Address:	PO BOX 6038
Mailing Address 2:	Not reported
Mailing City,State,Zip:	ARTESIA, CA 907026038
Owner Name:	BP WEST COAST PRODUCTS LLC
Owner Address:	PO BOX 6308
Owner Address 2:	Not reported
Owner City,State,Zip:	ARTESIA, CA 907026038
Contact Name:	CARLOS RODRIGUEZ
Contact Address:	PO BOX 6308
Contact Address 2:	Not reported
City,State,Zip:	ARTESIA, CA 907026038
Facility Status:	Inactive
Facility Type:	PERMANENT
Category:	STATE
Latitude:	34.066887
Longitude:	-117.435702

NAICS:

EPA ID:	CAL000225441
Create Date:	2002-03-14 16:36:29.000
NAICS Code:	44719
NAICS Description:	Other Gasoline Stations
Issued EPA ID Date:	2001-12-13 00:00:00
Inactive Date:	2002-06-30 10:17:35
Facility Name:	BP WEST COAST PRODUCTS LLC 01815
Facility Address:	10087 SIERRA
Facility Address 2:	Not reported
Facility City:	FONTANA
Facility County:	Not reported
Facility State:	CA
Facility Zip:	923350000

O62 **SIERRA VALERO INC** **RCRA-SQG** **1006805338**
East **10115 SIERRA AVE** **LUST** **CAR000126003**
1/4-1/2 **FONTANA, CA 92335** **FINDS**
0.283 mi. **ECHO**
1493 ft. **Site 2 of 3 in cluster O** **Cortese**
HAZNET
Relative: **HWTS**
Higher

Actual: RCRA-SQG:
1123 ft.

Date Form Received by Agency:		20020816
Handler Name:	TEXACO SERVICE STATION	
Handler Address:		10115 SIERRA AVE
Handler City,State,Zip:		FONTANA, CA 92335-6724
EPA ID:		CAR000126003
Contact Name:		SONDRA BIENVENU
Contact Address:		P O BOX 2648
Contact City,State,Zip:		HOUSTON, TX 77252-2648
Contact Telephone:		713-241-5036
Contact Fax:		Not reported
Contact Email:		Not reported
Contact Title:		Not reported
EPA Region:		09
Land Type:		Private
Federal Waste Generator Description:		Small Quantity Generator
Non-Notifier:		Not reported
Biennial Report Cycle:		Not reported
Accessibility:		Not reported
Active Site Indicator:		Handler Activities
State District Owner:		Not reported
State District:		Not reported
Mailing Address:		P O BOX 2648
Mailing City,State,Zip:		HOUSTON, TX 77252-2648
Owner Name:		EQUILON ENTERPRISES L L C
Owner Type:		Private
Operator Name:		Not reported
Operator Type:		Not reported
Short-Term Generator Activity:		No
Importer Activity:		No
Mixed Waste Generator:		No
Transporter Activity:		No
Transfer Facility Activity:		No
Recycler Activity with Storage:		No
Small Quantity On-Site Burner Exemption:		No
Smelting Melting and Refining Furnace Exemption:		No
Underground Injection Control:		No
Off-Site Waste Receipt:		No
Universal Waste Indicator:		No
Universal Waste Destination Facility:		No
Federal Universal Waste:		No
Active Site Fed-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site Converter Treatment storage and Disposal Facility:		Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site State-Reg Handler:		---
Federal Facility Indicator:		Not reported
Hazardous Secondary Material Indicator:		NN
Sub-Part K Indicator:		Not reported
Commercial TSD Indicator:		No
Treatment Storage and Disposal Type:		Not reported
2018 GPRA Permit Baseline:		Not on the Baseline

SIERRA VALERO INC (Continued) **1006805338**

2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20021107
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	Not reported
Manifest Broker:	Not reported
Sub-Part P Indicator:	No

Hazardous Waste Summary:

Waste Code:	D001
Waste Description:	IGNITABLE WASTE
Waste Code:	D018
Waste Description:	BENZENE

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name:	EQUILON ENTERPRISES L L C
Legal Status:	Private
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	P O BOX 2648
Owner/Operator City,State,Zip:	HOUSTON, TX 77252-2648
Owner/Operator Telephone:	713-241-5036
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	20020816

SIERRA VALERO INC (Continued) **1006805338**

Handler Name: TEXACO SERVICE STATION
Federal Waste Generator Description: Small Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Codes: No NAICS Codes Found

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

LUST REG 8:
Name: TEXACO SERVICE STATION
Address: 10115 SIERRA AVE
City: FONTANA
Region: 8
County: San Bernardino
Regional Board: Santa Ana Region
Facility Status: Case Closed
Case Number: 083602475T
Local Case Num: 94028
Case Type: Soil only
Substance: Gasoline
Qty Leaked: Not reported
Abate Method: Not reported
Cross Street: VALLEY
Enf Type: Not reported
Funding: Not reported
How Discovered: Nuisance Conditions
How Stopped: Not reported
Leak Cause: UNK
Leak Source: Piping
Global ID: T0607100334
How Stopped Date: 6/17/1993
Enter Date: 8/29/1994
Date Confirmation of Leak Began: Not reported
Date Preliminary Assessment Began: Not reported
Discover Date: 6/17/1993
Enforcement Date: Not reported
Close Date: 3/28/1995
Date Prelim Assessment Workplan Submitted: 5/26/1994
Date Pollution Characterization Began: Not reported
Date Remediation Plan Submitted: Not reported
Date Remedial Action Underway: Not reported

SIERRA VALERO INC (Continued) **1006805338**

Date Post Remedial Action Monitoring:	Not reported
Enter Date:	8/29/1994
GW Qualifies:	Not reported
Soil Qualifies:	Not reported
Operator:	Not reported
Facility Contact:	Not reported
Interim:	Not reported
Oversite Program:	LUST
Latitude:	34.069948
Longitude:	-117.4354771
MTBE Date:	Not reported
Max MTBE GW:	Not reported
MTBE Concentration:	0
Max MTBE Soil:	Not reported
MTBE Fuel:	1
MTBE Tested:	Site NOT Tested for MTBE.Includes Unknown and Not Analyzed.
MTBE Class:	*
Staff:	RS
Staff Initials:	LH6
Lead Agency:	Local Agency
Local Agency:	36000L
Hydr Basin #:	UPPER SANTA ANA VALL
Beneficial:	Not reported
Priority:	Not reported
Cleanup Fund Id:	Not reported
Work Suspended:	Not reported

Summary: Not reported

FINDS:
Registry ID: 110013308303

Click Here:

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.
STATE MASTER
Registry ID: 110059785068

Click Here:

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.
STATE MASTER
ICIS (Integrated Compliance Information System) is the Integrated

SIERRA VALERO INC (Continued) **1006805338**

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 it 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.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:

Envid:	1006805338
Registry ID:	110059785068
DFR URL:	http://echo.epa.gov/detailed-facility-report?fid=110059785068
Name:	SIERRA VALERO INC
Address:	10115 SIERRA AVE
City,State,Zip:	FONTANA, CA 92335

Envid:	1006805338
Registry ID:	110013308303
DFR URL:	http://echo.epa.gov/detailed-facility-report?fid=110013308303
Name:	TEXACO SERVICE STATION
Address:	10115 SIERRA AVE
City,State,Zip:	FONTANA, CA 92335

CORTESE:

Name:	TEXACO SERVICE STATION
Address:	10115 SIERRA AVE
City,State,Zip:	FONTANA, CA 92335
Region:	CORTESE
Envirostor Id:	Not reported
Global ID:	T0607100334
Site/Facility Type:	LUST CLEANUP SITE
Cleanup Status:	COMPLETED - CASE CLOSED
Status Date:	Not reported
Site Code:	Not reported
Latitude:	Not reported
Longitude:	Not reported
Owner:	Not reported
Enf Type:	Not reported
Swat R:	Not reported
Flag:	active
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
File Name:	Active Open

SIERRA VALERO INC (Continued) **1006805338**

HAZNET:

Name:	TEXACO SERVICE STATION S A P 120437
Address:	10115 SIERRA AVE
Address 2:	Not reported
City,State,Zip:	FONTANA, CA 923356724
Contact:	J. Traylor/ENV REPORTING ANALYST
Telephone:	7132416992
Mailing Name:	Not reported
Mailing Address:	PO Box 3127
Year:	2006
Gepaid:	CAR000126003
TSD EPA ID:	CAD028409019
CA Waste Code:	352 - Other organic solids
Disposal Method:	H01 - Transfer Station
Tons:	0.0125
Year:	2004
Gepaid:	CAR000126003
TSD EPA ID:	CAD008364432
CA Waste Code:	352 - Other organic solids
Disposal Method:	R01 - Recycler
Tons:	0.01
Year:	2002
Gepaid:	CAR000126003
TSD EPA ID:	CAD028409019
CA Waste Code:	134 - Aqueous solution with total organic residues less than 10 percent
Disposal Method:	T01 - Treatment, Tank
Tons:	2.2428
Year:	2002
Gepaid:	CAR000126003
TSD EPA ID:	CAD028409019
CA Waste Code:	241 - Tank bottom waste
Disposal Method:	T01 - Treatment, Tank
Tons:	0.68805

Additional Info:

Year:	2004
Gen EPA ID:	CAR000126003
Shipment Date:	20040412
Creation Date:	10/14/2004 7:35:58
Receipt Date:	20040412
Manifest ID:	22785914
Trans EPA ID:	CAD008364432
Trans Name:	RHO-CHEM
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008364432
Trans Name:	RHO-CHEM CORPORATION
TSDF Alt EPA ID:	CAD008364432
TSDF Alt Name:	Not reported

SIERRA VALERO INC (Continued) **1006805338**

Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	R01 - Recycler
Quantity Tons:	0.01
Waste Quantity:	20
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2002
Gen EPA ID:	CAR000126003
Shipment Date:	20021218
Creation Date:	4/1/2003 18:31:07
Receipt Date:	20021219
Manifest ID:	22248969
Trans EPA ID:	CAR000031211
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD028409019
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	D001
Meth Code:	T01 - Treatment, Tank
Quantity Tons:	2.2428
Waste Quantity:	534
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20021011
Creation Date:	2/6/2003 18:31:16
Receipt Date:	20021013
Manifest ID:	22089487
Trans EPA ID:	CAR000118992
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD028409019
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	241 - Tank bottom waste 251 Still bottoms with halogenated organics
RCRA Code:	D001
Meth Code:	T01 - Treatment, Tank
Quantity Tons:	0.68805
Waste Quantity:	165

SIERRA VALERO INC (Continued) **1006805338**

Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2006
Gen EPA ID:	CAR000126003
Shipment Date:	20060310
Creation Date:	7/14/2006 18:31:05
Receipt Date:	20060315
Manifest ID:	24845363
Trans EPA ID:	CAR000152785
Trans Name:	CALIFORNIA HAZARDOUS SERVICES
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD028409019
Trans Name:	CROSBY & OVERTON INC
TSDF Alt EPA ID:	CAD028409019
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	D001
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.0125
Waste Quantity:	25
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

HWTS:

Name:	TEXACO SERVICE STATION S A P 120437
Address:	10115 SIERRA AVE
Address 2:	Not reported
City,State,Zip:	FONTANA, CA 92335
EPA ID:	CAR000126003
Inactive Date:	08/06/2010
Create Date:	03/04/2003
Last Act Date:	Not reported
Mailing Name:	Not reported
Mailing Address:	PO BOX 3127
Mailing Address 2:	Not reported
Mailing City,State,Zip:	HOUSTON, TX 772530000
Owner Name:	SHELL OIL PRODUCTS US
Owner Address:	PO BOX 3127
Owner Address 2:	Not reported
Owner City,State,Zip:	HOUSTON, TX 772530000
Contact Name:	J. TRAYLOR/ENV REPORTING ANALYST
Contact Address:	PO BOX 3127
Contact Address 2:	Not reported
City,State,Zip:	HOUSTON, TX 772530000

SIERRA VALERO INC (Continued) **1006805338**

Facility Status:	Inactive
Facility Type:	PERMANENT
Category:	FEDERAL
Latitude:	34.069794
Longitude:	-117.435787

NAICS:

EPA ID:	CAR000126003
Create Date:	2003-10-23 13:13:52.000
NAICS Code:	44711
NAICS Description:	Gasoline Stations with Convenience Stores
Issued EPA ID Date:	2003-03-04 14:25:35.18700
Inactive Date:	2010-08-06 00:00:00
Facility Name:	TEXACO SERVICE STATION S A P 120437
Facility Address:	10115 SIERRA AVE
Facility Address 2:	Not reported
Facility City:	FONTANA
Facility County:	Not reported
Facility State:	CA
Facility Zip:	923356724

O63 **TEXACO SERVICE STATION** **LUST** **S103620384**
East **10115 SIERRA** **CERS HAZ WASTE** **N/A**
1/4-1/2 **FONTANA, CA 92335** **CERS TANKS**
0.283 mi. **Cortese**
1493 ft. **Site 3 of 3 in cluster O** **HIST CORTESE**
CERS

Relative:
Higher

Actual:
1123 ft.

LUST:

Name:	VALLEY TEXACO STATION
Address:	10115 SIERRA AVENUE
City,State,Zip:	FONTANA, CA 92335
Lead Agency:	SAN BERNARDINO COUNTY
Case Type:	LUST Cleanup Site
Geo Track:	http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0607125645
Global Id:	T0607125645
Latitude:	34.069854
Longitude:	-117.435621
Status:	Completed - Case Closed
Status Date:	11/22/2006
Case Worker:	Not reported
RB Case Number:	083604038T
Local Agency:	Not reported
File Location:	Local Agency
Local Case Number:	2005010
Potential Media Affect:	Soil
Potential Contaminants of Concern:	Diesel
Site History:	Not reported

LUST:

Global Id:	T0607125645
Action Type:	Other
Date:	08/18/2005
Action:	Leak Reported

Global Id:	T0607125645
Action Type:	REMEDIATION
Date:	02/13/2007

TEXACO SERVICE STATION (Continued) **S103620384**

Action: Not reported

Global Id: T0607125645
Action Type: REMEDIATION
Date: 02/13/2007
Action: Not reported

Global Id: T0607125645
Action Type: ENFORCEMENT
Date: 11/22/2006
Action: Closure/No Further Action Letter

Global Id: T0607125645
Action Type: Other
Date: 07/20/2005
Action: Leak Discovery

LUST:
Global Id: T0607125645
Status: Open - Case Begin Date
Status Date: 07/20/2005

Global Id: T0607125645
Status: Open - Site Assessment
Status Date: 10/21/2005

Global Id: T0607125645
Status: Completed - Case Closed
Status Date: 11/22/2006

Name: TEXACO SERVICE STATION
Address: 10115 SIERRA AVE
City,State,Zip: FONTANA, CA 92335
Lead Agency: SAN BERNARDINO COUNTY
Case Type: LUST Cleanup Site
Geo Track: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0607100334
Global Id: T0607100334
Latitude: 34.070001
Longitude: -117.435176
Status: Completed - Case Closed
Status Date: 03/28/1995
Case Worker: Not reported
RB Case Number: 083602475T
Local Agency: Not reported
File Location: Local Agency
Local Case Number: 94028
Potential Media Affect: Soil
Potential Contaminants of Concern: Gasoline
Site History: Not reported

LUST:
Global Id: T0607100334
Action Type: Other
Date: 05/26/1994
Action: Leak Reported

TEXACO SERVICE STATION (Continued) **S103620384**

Global Id: T0607100334
Action Type: Other
Date: 06/17/1993
Action: Leak Stopped

Global Id: T0607100334
Action Type: Other
Date: 06/17/1993
Action: Leak Discovery

LUST:
Global Id: T0607100334
Status: Open - Case Begin Date
Status Date: 06/17/1993

Global Id: T0607100334
Status: Open - Site Assessment
Status Date: 05/26/1994

Global Id: T0607100334
Status: Completed - Case Closed
Status Date: 03/28/1995

CERS HAZ WASTE:
Name: SIERRA FUEL INC.
Address: 10115 SIERRA AVE
City,State,Zip: FONTANA, CA 92335
Site ID: 153499
CERS ID: 10046152
CERS Description: Hazardous Waste Generator

CERS TANKS:
Name: SIERRA FUEL INC.
Address: 10115 SIERRA AVE
City,State,Zip: FONTANA, CA 92335
Site ID: 153499
CERS ID: 10046152
CERS Description: Underground Storage Tank

CORTESE:
Name: VALLEY TEXACO STATION
Address: 10115 SIERRA AVENUE
City,State,Zip: FONTANA, CA 92335
Region: CORTESE
Envirostor Id: Not reported
Global ID: T0607125645
Site/Facility Type: LUST CLEANUP SITE
Cleanup Status: COMPLETED - CASE CLOSED
Status Date: Not reported
Site Code: Not reported
Latitude: Not reported
Longitude: Not reported
Owner: Not reported
Enf Type: Not reported

TEXACO SERVICE STATION (Continued) **S103620384**

Swat R:	Not reported
Flag:	active
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
File Name:	Active Open

HIST CORTESE:

edr_fname:	TEXACO SERVICE STATION
edr_fadd1:	10115 SIERRA
City,State,Zip:	FONTANA, CA 92335
Region:	CORTESE
Facility County Code:	36
Reg By:	LTNKA
Reg Id:	083602475T

CERS:

Name:	TEXACO SERVICE STATION
Address:	10115 SIERRA AVE
City,State,Zip:	FONTANA, CA 92335
Site ID:	217366
CERS ID:	T0607100334
CERS Description:	Leaking Underground Storage Tank Cleanup Site

Affiliation:

Affiliation Type Desc:	Regional Board Caseworker
Entity Name:	ROSE SCOTT - SANTA ANA RWQCB (REGION 8)
Entity Title:	Not reported
Affiliation Address:	3737 MAIN STREET, SUITE 500
Affiliation City:	RIVERSIDE
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	9513206375,

Name:	VALLEY TEXACO STATION
Address:	10115 SIERRA AVENUE
City,State,Zip:	FONTANA, CA 92335
Site ID:	226111
CERS ID:	T0607125645
CERS Description:	Leaking Underground Storage Tank Cleanup Site

Affiliation:

Affiliation Type Desc:	Regional Board Caseworker
Entity Name:	Ken Williams - SANTA ANA RWQCB (REGION 8)
Entity Title:	Not reported
Affiliation Address:	3737 MAIN STREET, SUITE 500
Affiliation City:	RIVERSIDE
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,

TEXACO SERVICE STATION (Continued) **S103620384**

Name: SIERRA FUEL INC.
Address: 10115 SIERRA AVE
City,State,Zip: FONTANA, CA 92335
Site ID: 153499
CERS ID: 10046152
CERS Description: Chemical Storage Facilities

Violations:

Site ID: 153499
Site Name: SIERRA Fuel INC.
Violation Date: 12-03-2019
Citation: 23 CCR 16 2665(b) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2665(b)
Violation Description: "Failure to submit a copy of the overfill prevention equipment inspection results on the Overfill Prevention Equipment Inspection Report Form to the UPA within 30 days after the inspection. "
Violation Notes: Returned to compliance on 01/06/2020. OBSERVATION: The Overfill Equipment Testing records were not observed on site. CORRECTIVE ACTION: Maintain a copy of the Overfill Prevention Equipment Testing records from Titan Testing in May 2019 in the UST binder and sign the CRC form and send to this Agency within thirty (30) days.
Violation Division: San Bernardino County Fire Department
Violation Program: UST
Violation Source: CERS,

Site ID: 153499
Site Name: SIERRA Fuel INC.
Violation Date: 06-22-2015
Citation: HSC 6.5 Multiple Sections - California Health and Safety Code, Chapter 6.5, Section(s) Multiple Sections
Violation Description: Haz Waste Generator Program - Operations/Maintenance - General
Violation Notes: Returned to compliance on 08/17/2016. Failure to manage hazardous waste lawfully (CHSC 25154) CONTAINER FOR HAZARDOUS WASTE LIQUIDS WAS NOT AVAILABLE FOR CONTRACTOR'S TEST WATER. COMPLIANCE REQUIREMENT: ENSURE PROPER CONTAINERS ARE AVAILABLE FOR HAZARDOUS WASTE GENERATED FROM THIS FACILITY. WHEN USING HAZARDOUS WASTE CONTAINERS ENSURE THEY ARE PROPERLY LABELED AND CLOSED WHEN NOT IN USE. SUBMIT A STATEMENT INDICATING DRUM IS AVAILABLE ONSITE FOR HAZARDOUS WASTE COLLECTION AND STORAGE WITHIN 30 DAYS.
Violation Division: San Bernardino County Fire Department
Violation Program: HW
Violation Source: CERS,

Site ID: 153499
Site Name: SIERRA Fuel INC.
Violation Date: 06-23-2014
Citation: 23 CCR 16 2666 - California Code of Regulations, Title 23, Chapter 16, Section(s) 2666
Violation Description: Failure of the leak detection equipment to have an audible and visual alarm as required.
Violation Notes: Returned to compliance on 06/23/2014. VISUAL ALARM IN THE OVERFILL PREVENTION EXTERNAL ANNUNCIATOR WAS INITIALLY INOPERABLE. THE LIGHT BULB IN THE ANNUNCIATOR WAS REPLACED AND WITNESSED OPERABLE AT THE TIME OF INSPECTION.
Violation Division: San Bernardino County Fire Department
Violation Program: UST
Violation Source: CERS,

TEXACO SERVICE STATION (Continued) **S103620384**

Site ID: 153499
Site Name: SIERRA Fuel INC.
Violation Date: 07-27-2020
Citation: HSC 6.75 25299.30-25299.34 - California Health and Safety Code, Chapter 6.75, Section(s) 25299.30-25299.34
Violation Description: Failure to submit and maintain complete and current Certification of Financial Responsibility or other mechanism of financial assurance.
Violation Notes: Returned to compliance on 08/26/2020. CORRECTIVE ACTION: Update and upload a new Letter from the Chief Financial Officer (CFO) for 2020 - 2021 within throty (30) days to the CERS) OBSERVATION: The CFO Letter in CERS has expired.
Violation Division: San Bernardino County Fire Department
Violation Program: UST
Violation Source: CERS,

Site ID: 153499
Site Name: SIERRA Fuel INC.
Violation Date: 07-27-2020
Citation: 23 CCR 16 2712(b)(2) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2712(b)(2)
Violation Description: Failure to maintain monitoring records for release detection and/or maintain records of appropriate follow-up actions.
Violation Notes: Returned to compliance on 08/26/2020. CORRECTIVE ACTION: Review alarms noted during the months within the last year (July 2019 to July 2020) and provide copies of the works orders and/or corrective actions along with an updated alarm log to indicate corrective actions for each alarm. NOTE: Alarm history this date only shows the last three (3) alarms per Veeder Root. The alarms indicated on the DO reports are required to be reivewed and logged with documentaiton provided such as Work Orders. The DO report alarms are required to be reviewed. Multiple alarms were attributed to two (2) bad 303 sensors that were replaced. Review the Hi and Low Liquid alarms and indicate those as a bad sensor with the Work Order from Titan. OBSERVATION: Multiple alarms were indicated on DO reports over the last few DO reports. Per the tester, two annular sensors were replaced. No documentation has been provided for the replacement of the sensors. Other alarms were noted on the DO reports that were not indicacted on any alarm [Truncated]
Violation Division: San Bernardino County Fire Department
Violation Program: UST
Violation Source: CERS,

Site ID: 153499
Site Name: SIERRA Fuel INC.
Violation Date: 06-22-2015
Citation: HSC 6.95 25508(d) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(d)
Violation Description: Failure to complete and/or electronically submit a business plan when storing/handling a hazardous material at or above reportable quantities.
Violation Notes: Returned to compliance on 01/05/2017. OBSERVED CERS INVENTORY MISSING INCOMPLETE, MISSING HAZARDOUS WASTE AND CURRENT PROPANE QUANTITIES. COMPLIANCE REQUIREMENT: SUBMIT A SIGNED CERTIFICATE OF COMPLIANCE INDICATING CERS INVENTORY HAS BEEN UPDATED TO REFLECT CURRENT INVENTORY WITHIN 30 DAYS.
Violation Division: San Bernardino County Fire Department
Violation Program: HMRRP

TEXACO SERVICE STATION (Continued) **S103620384**

Violation Source:	CERS,
Site ID:	153499
Site Name:	SIERRA Fuel INC.
Violation Date:	07-09-2019
Citation:	23 CCR 16 2715(a)(1)(B) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2715(a)(1)(B)
Violation Description:	Failure to submit the Designated Underground Storage Tank Operator Identification Form within 30 days of installing a UST system or within 30 days of a change in DO.
Violation Notes:	Returned to compliance on 12/03/2019. THE UST DESIGNATED OPERATOR (D.O.) LISTED ON THE IDENTIFICATION FORM IS NOT THE UST D.O. CURRENTLY COMPLETING THE MONTHLY INSPECTIONS. IMMEDIATELY UPDATE UST D.O. IDENTIFICATION FORM TO BE SUBMIT ON LINE IN CERS AND PROVIDE DOCUMENTATION OF COMPLIANCE TO THIS DEPARTMENT WITHIN 30 DAYS.
Violation Division:	San Bernardino County Fire Department
Violation Program:	UST
Violation Source:	CERS,
Site ID:	153499
Site Name:	SIERRA Fuel INC.
Violation Date:	06-23-2014
Citation:	23 CCR 16 2638 - California Code of Regulations, Title 23, Chapter 16, Section(s) 2638
Violation Description:	Failure to test leak detection equipment as required every 12 months (VPH, sensor, LLD, ATG, etc.) and/or submit monitoring system certification to the CUPA within 30 days of completion of the test
Violation Notes:	Returned to compliance on 06/22/2015. LAST UST MONITORING SYSTEM CERTIFICATION WAS ON 6/17/13 AND IS 6 DAYS PAST DUE. THE YEAR BEFORE (2013) THE UST MONITORING SYSTEM CERTIFICATION WAS DUE ON 4/26/2012 AND WAS APPROX 2 MONTHS PAST DUE. TWO YEARS BEFORE, THE UST MONITORING SYSTEM CERTIFICATION WAS DUE ON 3/3/2011 AND WAS OVER 1 MONTH PAST DUE. WITHIN 30 DAYS SUBMIT DOCUMENTATION OF A WORK PLAN TO THIS DEPARTMENT ON ACTIONS THAT WILL BE TAKEN TO PREVENT THIS VIOLATION FROM BEING REPEATED. THE UST MONITORING SYSTEM CERTIFICATION WILL BE DUE ON OR BEFORE 6/23/2015. THE FAILURE TO COMPLY WITH THIS DUE DATE WILL RESULT IN IMMEDIATE ENFORCEMENT ACTION WHICH MAYH INCLUDE FINES AND/OR TANKS BEING RED TAGGED.
Violation Division:	San Bernardino County Fire Department
Violation Program:	UST
Violation Source:	CERS,
Site ID:	153499
Site Name:	SIERRA Fuel INC.
Violation Date:	06-23-2014
Citation:	23 CCR 16 2665 - California Code of Regulations, Title 23, Chapter 16, Section(s) 2665
Violation Description:	Failure of the overfill prevention system to meet one of the following requirements: 1. Alert the transfer operator when the tank is 90 percent full by restricting the flow into the tank or triggering an audible and visual alarm; or 2. Restrict delivery of flow to the tank at least 30 minutes before the tank overfills, provided the restriction occurs when the tank is filled to no more than 95 percent of capacity; and activate an audible alarm at least five minutes before the tank overfills; or 3. Provide positive shut-off of flow to the tank when the tank is filled to no more than 95 percent of capacity; or 4. Provide positive shut-off of flow to the tank so that

TEXACO SERVICE STATION (Continued) **S103620384**

	none of the fittings located on the top of the tank are exposed to product due to overfilling.
Violation Notes:	Returned to compliance on 06/23/2014. 89 TANK ATG USED FOR OVERFILL PREVENTION FAILED WHEN TESTED DUE TO AN INOPERABLE FLOAT ASSEMBLY. THE FLOAT ASSEMBLY WAS REPLACED AND ATG PASSED UPON RETEST.
Violation Division:	San Bernardino County Fire Department
Violation Program:	UST
Violation Source:	CERS,
Site ID:	153499
Site Name:	SIERRA Fuel INC.
Violation Date:	06-22-2015
Citation:	23 CCR 16 2665 - California Code of Regulations, Title 23, Chapter 16, Section(s) 2665
Violation Description:	Failure of the overfill prevention system to meet one of the following requirements: 1. Alert the transfer operator when the tank is 90 percent full by restricting the flow into the tank or triggering an audible and visual alarm; or 2. Restrict delivery of flow to the tank at least 30 minutes before the tank overfills, provided the restriction occurs when the tank is filled to no more than 95 percent of capacity; and activate an audible alarm at least five minutes before the tank overfills; or 3. Provide positive shut-off of flow to the tank when the tank is filled to no more than 95 percent of capacity; or 4. Provide positive shut-off of flow to the tank so that none of the fittings located on the top of the tank are exposed to product due to overfilling.
Violation Notes:	Returned to compliance on 06/22/2015. LIGHT AT EXTERNAL ANNUNCIATOR WAS INOPERABLE DURING INSPECTION MONITORING CERTIFICATION. COMPLIANCE REQUIREMENT: LIGHT WAS REPAIRED AND VERIFIED FUNCTIONAL DURING TESTING. VIOLATION CORRECTED.
Violation Division:	San Bernardino County Fire Department
Violation Program:	UST
Violation Source:	CERS,
Site ID:	153499
Site Name:	SIERRA Fuel INC.
Violation Date:	07-26-2021
Citation:	23 CCR 16 2641(j) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2641(j)
Violation Description:	Failure of the leak detection equipment to be installed, calibrated, operated, and/or maintained properly.
Violation Notes:	CORRECTIVE ACTION: The VR 208 sensors was replaced and tested/certified this ate. This violation has been corrected. OBSERVATION: the Veeder Root 208 sensor in the 87 Main UST fill sump did not pass testing/certification this date.
Violation Division:	San Bernardino County Fire Department
Violation Program:	UST
Violation Source:	CERS,
Site ID:	153499
Site Name:	SIERRA Fuel INC.
Violation Date:	12-03-2019
Citation:	HSC 6.75 25299.30-25299.34 - California Health and Safety Code, Chapter 6.75, Section(s) 25299.30-25299.34
Violation Description:	Failure to submit and maintain complete and current Certification of Financial Responsibility or other mechanism of financial assurance.
Violation Notes:	Returned to compliance on 01/06/2020. OBSERVATION: The CFR state form

TEXACO SERVICE STATION (Continued) **S103620384**

required to be submitted with the CFO letter has expired. CORRECTIVE ACTION: Update the State Form and re-submit to CERS within thirty (30) days.

Violation Division: San Bernardino County Fire Department
Violation Program: UST
Violation Source: CERS,

Site ID: 153499
Site Name: SIERRA Fuel INC.
Violation Date: 07-09-2019
Citation: HSC 6.75 25299.30-25299.34 - California Health and Safety Code, Chapter 6.75, Section(s) 25299.30-25299.34
Violation Description: Failure to submit and maintain complete and current Certification of Financial Responsibility or other mechanism of financial assurance.
Violation Notes: Returned to compliance on 12/03/2019. CHIEF FINANCIAL OFFICER (CFO) LETTER MOST RECENTLY SUBMITTED ON LINE IN THE CALIFORNIA ENVIRONMENTAL REPORTING SYSTEM (CERS) IS NO LONGER CURRENT AND NEEDS TO BE UPDATED. THE CFO LETTER WHEN USED IN CONJUNCTION WITH THE STATE FUND NOTED ON THE CERTIFICATE OF FINANCIAL RESPONSIBILITY MUST BE REVIEWED AND UPDATED ANNUALLY BY THE CFO. IMMEDIATELY UPDATE CFO LETTER TO BE SUBMITTED ON LINE IN CERS AND PROVIDE DOCUMENTATION OF COMPLIANCE TO THIS DEPARTMENT WITHIN 30 DAYS.
Violation Division: San Bernardino County Fire Department
Violation Program: UST
Violation Source: CERS,

Site ID: 153499
Site Name: SIERRA Fuel INC.
Violation Date: 06-23-2014
Citation: HSC 6.7 Multiple Sections - California Health and Safety Code, Chapter 6.7, Section(s) Multiple Sections
Violation Description: UST Program - Operations/Maintenance - General
Violation Notes: Returned to compliance on 06/22/2015. Failure to correct past UST violations within 30 days of receiving a UST inspection report (23CCR 2712(f)) VIOLATION #317 - FAILURE TO CERTIFY ANNUALLY WAS A REPEATED VIOLATION FOR THE PAST FEW YEARS. WITHIN 30 DAYS SUBMIT DOCUMENTATION OF A WORK PLAN TO THIS DEPARTMENT ON ACTIONS THAT WILL BE TAKEN TO PREVENT THIS VIOLATION FROM BEING REPEATED.
Violation Division: San Bernardino County Fire Department
Violation Program: UST
Violation Source: CERS,

Site ID: 153499
Site Name: SIERRA Fuel INC.
Violation Date: 07-09-2019
Citation: 23 CCR 16 2712(b)(1)(G) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2712(b)(1)(G)
Violation Description: Failure to comply with one or more of the following overfill prevention equipment requirements: Alert the transfer operator when the tank is 90 percent full by restricting the flow into the tank or triggering an audible and visual alarm; or Restrict delivery of flow to the tank at least 30 minutes before the tank overfills, provided the restriction occurs when the tank is filled to no more than 95 percent of capacity; and activate an audible alarm at least five minutes before the tank overfills; or Provide positive shut-off of flow to the tank when the tank is filled to no more than 95 percent of capacity; or Provide positive shut-off of flow to the tank so that

TEXACO SERVICE STATION (Continued) **S103620384**

none of the fittings located on the top of the tank are exposed to product due to overfilling. Install/retrofit overfill prevention equipment that does not use flow restrictors on vent piping to meet overfill prevention equipment requirements when the overfill prevention equipment is installed, repaired, or replaced on and after October 1, 2018. For USTs installed before October 1, 2018, perform an inspection by October 13, 2018 and every 36 months thereafter. For USTs installed on and after October 1, 2018, perform an inspection at installation and every 36 months thereafter. Inspected within 30 days after a repair to the overfill prevention equipment. Inspected using an applicable manufacturer guidelines, industry codes, engineering standards, or a method approved by a professional engineer. Inspected by a certified UST service technician. Maintain records of overfill prevention equipment inspection for 36 months.

Violation Notes: Returned to compliance on 12/03/2019. 36 MONTH OVERFILL TESTING WITH NOTIFICATION GIVEN TO THIS DEPARTMENT HAS NOT BEEN COMPLETED FOR THIS UST SYSTEM. IMMEDIATELY SCHEDULE OVERFILL PREVENTION TEST TO BE WITNESSED BY THIS DEPARTMENT WITHIN 30 DAYS.
Violation Division: San Bernardino County Fire Department
Violation Program: UST
Violation Source: CERS,

Evaluation:
Eval General Type: Compliance Evaluation Inspection
Eval Date: 07-26-2021
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: ANNUAL UST HW HM INSPECTIONS
Eval Division: San Bernardino County Fire Department
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 12-03-2019
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: San Bernardino County Fire Department
Eval Program: HW
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 12-03-2019
Violations Found: Yes
Eval Type: Other, not routine, done by local agency
Eval Notes: SIERRA FUEL | UST FOLLOW UP | HM HW C01
Eval Division: San Bernardino County Fire Department
Eval Program: UST
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 05-26-2016
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: SIERRA VALERO- UST INSPECTION
Eval Division: San Bernardino County Fire Department
Eval Program: HMRRP

TEXACO SERVICE STATION (Continued) **S103620384**

Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 05-26-2016
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: SIERRA VALERO- UST SB989 INSPECTION....
Eval Division: San Bernardino County Fire Department
Eval Program: UST
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 06-22-2015
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: WASTE INCIDENTAL TO UST ONLY INSPECTION
Eval Division: San Bernardino County Fire Department
Eval Program: HW
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 07-09-2019
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: HAZARDOUS MATERIALS INSPECTION - UST ONLY
Eval Division: San Bernardino County Fire Department
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 07-09-2019
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: UST ANNUAL INSPECTION WITH MONITORING SYSTEM CERTIFICATION.
Eval Division: San Bernardino County Fire Department
Eval Program: UST
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 07-27-2020
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: UST, HAZ WASTE AND HMBEP UST ANNUAL INSPECTIONS
Eval Division: San Bernardino County Fire Department
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 05-26-2016
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: SIERRA VALERO- UST PAPERWORK INSPECTION ONLY
Eval Division: San Bernardino County Fire Department
Eval Program: UST
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection

TEXACO SERVICE STATION (Continued) **S103620384**

Eval Date: 06-23-2014
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: UST ANNUAL INPSECTION WITH MONITORING SYSTEM CERTIFICATION
Eval Division: San Bernardino County Fire Department
Eval Program: UST
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 07-26-2021
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: ANNUAL UST HW HM INSPECTIONS
Eval Division: San Bernardino County Fire Department
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 07-27-2020
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: UST, HAZ WASTE AND HMBEP UST ANNUAL INSPECTIONS
Eval Division: San Bernardino County Fire Department
Eval Program: UST
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 06-22-2015
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: ANNUAL MONITORING CERTIFICATION
Eval Division: San Bernardino County Fire Department
Eval Program: UST
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 06-22-2015
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: HAZARDOUS MATERIALS HANDLER INSPECTION, UST ONLY
Eval Division: San Bernardino County Fire Department
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 06-29-2018
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: San Bernardino County Fire Department
Eval Program: UST
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 06-23-2014
Violations Found: No
Eval Type: Routine done by local agency

TEXACO SERVICE STATION (Continued) **S103620384**

Eval Notes: HAZ MAT UST ONLY INSPECTION.
Eval Division: San Bernardino County Fire Department
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 07-26-2021
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: ANNUAL UST HW HM INSPECTIONS
Eval Division: San Bernardino County Fire Department
Eval Program: UST
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 07-27-2020
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: UST, HAZ WASTE AND HMBEP UST ANNUAL INSPECTIONS
Eval Division: San Bernardino County Fire Department
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 12-03-2019
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: San Bernardino County Fire Department
Eval Program: HMRRP
Eval Source: CERS,

Enforcement Action:
Site ID: 153499
Site Name: SIERRA Fuel INC.
Site Address: 10115 SIERRA AVE
Site City: FONTANA
Site Zip: 92335
Enf Action Date: 06-22-2015
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: San Bernardino County Fire Department
Enf Action Program: HMRRP
Enf Action Source: CERS,

Site ID: 153499
Site Name: SIERRA Fuel INC.
Site Address: 10115 SIERRA AVE
Site City: FONTANA
Site Zip: 92335
Enf Action Date: 06-22-2015
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: San Bernardino County Fire Department
Enf Action Program: HW

TEXACO SERVICE STATION (Continued) **S103620384**

Enf Action Source: CERS,

Site ID: 153499
Site Name: SIERRA Fuel INC.
Site Address: 10115 SIERRA AVE
Site City: FONTANA
Site Zip: 92335
Enf Action Date: 06-22-2015
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: San Bernardino County Fire Department
Enf Action Program: UST
Enf Action Source: CERS,

Site ID: 153499
Site Name: SIERRA Fuel INC.
Site Address: 10115 SIERRA AVE
Site City: FONTANA
Site Zip: 92335
Enf Action Date: 06-23-2014
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: San Bernardino County Fire Department
Enf Action Program: UST
Enf Action Source: CERS,

Coordinates:
Site ID: 153499
Facility Name: SIERRA Fuel INC.
Env Int Type Code: HWG
Program ID: 10046152
Coord Name: Not reported
Ref Point Type Desc: Unknown,
Latitude: 34.069999
Longitude: -117.435173

Affiliation:
Affiliation Type Desc: Operator
Entity Name: SIERRA Fuel INC.
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: (714) 470-8997,

Affiliation Type Desc: Property Owner
Entity Name: SIERRA FUEL INC.
Entity Title: Not reported
Affiliation Address: 10115 SIERRA AVE
Affiliation City: FONTANA
Affiliation State: CA
Affiliation Country: United States

TEXACO SERVICE STATION (Continued) **S103620384**

Affiliation Zip:	92335
Affiliation Phone:	(909) 350-4000,
Affiliation Type Desc:	UST Tank Operator
Entity Name:	ALI DASHTI
Entity Title:	Not reported
Affiliation Address:	10115 SIERRA AVE.
Affiliation City:	FONTANA
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	92335
Affiliation Phone:	(909) 350-4000,
Affiliation Type Desc:	UST Tank Owner
Entity Name:	SIERRA Fuel INC.
Entity Title:	Not reported
Affiliation Address:	10115 SIERRA AVE.
Affiliation City:	FONTANA
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	92335
Affiliation Phone:	(909) 350-4000,
Affiliation Type Desc:	Identification Signer
Entity Name:	ALIAKBAR DASHTI
Entity Title:	OWNER / OPERATOR
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,
Affiliation Type Desc:	Parent Corporation
Entity Name:	SIERRA Fuel INC.
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,
Affiliation Type Desc:	Facility Mailing Address
Entity Name:	Mailing Address
Entity Title:	Not reported
Affiliation Address:	10115 SIERRA AVE
Affiliation City:	FONTANA
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	92335
Affiliation Phone:	,
Affiliation Type Desc:	CUPA District
Entity Name:	San Bernardino County Fire
Entity Title:	Not reported
Affiliation Address:	620 South E Street

TEXACO SERVICE STATION (Continued) **S103620384**

Affiliation City:	San Bernardino
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	92415-0153
Affiliation Phone:	(909) 386-8401,
Affiliation Type Desc:	Document Preparer
Entity Name:	Pezhman Dashti
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,
Affiliation Type Desc:	Environmental Contact
Entity Name:	Pezhman Dashti
Entity Title:	Not reported
Affiliation Address:	10115 SIERRA AVE
Affiliation City:	FONTANA
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	92335
Affiliation Phone:	,
Affiliation Type Desc:	Legal Owner
Entity Name:	DASHTI, ALIAKBAR
Entity Title:	Not reported
Affiliation Address:	10115 SIERRA AVE
Affiliation City:	FONTANA
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	92335
Affiliation Phone:	(909) 353-3254,
Affiliation Type Desc:	UST Permit Applicant
Entity Name:	ALI DASHTI
Entity Title:	OWNER / OPERATOR
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	(909) 356-1906,
Affiliation Type Desc:	UST Property Owner Name
Entity Name:	SIERRA FUEL INC.
Entity Title:	Not reported
Affiliation Address:	10115 SIERRA AVE.
Affiliation City:	FONTANA
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	92335
Affiliation Phone:	(909) 350-4000,

64
NE
1/4-1/2
0.307 mi.
1621 ft.

PONCE RECYCLING
9954 SIERRA AVE
FONTANA, CA 92335

SWRCY **S120834977**
N/A

Relative:
Higher

Actual:
1136 ft.

SWRCY:

Name:	PONCE RECYCLING
Address:	9954 SIERRA AVE
City,State,Zip:	FONTANA, CA 92335
Reg Id:	260783
Cert Id:	RC260783.001
Mailing Address:	5425 W 64th St
Mailing City:	Los Angeles
Mailing State:	CA
Mailing Zip Code:	90056
Website:	Not reported
Email:	poncerecycling@aol.com
Phone Number:	(323) 533-4862
Rural:	N
Operation Begin Date:	07/24/2017
Aluminium:	Y
Glass:	Y
Plastic:	Y
Bimetal:	Y
Hours of Operation:	Mon - Sun 8:30 am - 4:30 pm
Organization ID:	39719
Organization Name:	Ponce Recycling Inc

P65
SSE
1/4-1/2
0.403 mi.
2128 ft.

CIRCLE K STORE#5233
16880 SLOVER AVE
FONTANA, CA 92335

Site 1 of 2 in cluster P

LUST **S101619280**
SWEEPS UST **N/A**
HIST UST
CA FID UST
Cortese
HIST CORTESE

Relative:
Lower

Actual:
1092 ft.

LUST REG 8:

Name:	CIRCLE K STORE#5233
Address:	16880 SLOVER AVE
City:	FONTANA
Region:	8
County:	San Bernardino
Regional Board:	Santa Ana Region
Facility Status:	Preliminary site assessment underway
Case Number:	083603645T
Local Case Num:	99112
Case Type:	Soil only
Substance:	8006619, MTB
Qty Leaked:	Not reported
Abate Method:	Not reported
Cross Street:	SIERRA
Enf Type:	Not reported
Funding:	Not reported
How Discovered:	Tank Closure
How Stopped:	Not reported
Leak Cause:	UNK
Leak Source:	UNK
Global ID:	T0607100634
How Stopped Date:	5/25/1999
Enter Date:	3/9/2000

CIRCLE K STORE#5233 (Continued) **S101619280**

Date Confirmation of Leak Began:	Not reported
Date Preliminary Assessment Began:	4/17/2000
Discover Date:	5/25/1999
Enforcement Date:	Not reported
Close Date:	Not reported
Date Prelim Assessment Workplan Submitted:	8/10/1999
Date Pollution Characterization Began:	Not reported
Date Remediation Plan Submitted:	Not reported
Date Remedial Action Underway:	Not reported
Date Post Remedial Action Monitoring:	Not reported
Enter Date:	3/9/2000
GW Qualifies:	Not reported
Soil Qualifies:	=
Operator:	Not reported
Facility Contact:	Not reported
Interim:	Not reported
Oversite Program:	LUST
Latitude:	34.063237
Longitude:	-117.43658
MTBE Date:	Not reported
Max MTBE GW:	Not reported
MTBE Concentration:	1
Max MTBE Soil:	.7
MTBE Fuel:	0
MTBE Tested:	MTBE Detected. Site tested for MTBE & MTBE detected
MTBE Class:	*
Staff:	NOM
Staff Initials:	LH6
Lead Agency:	Local Agency
Local Agency:	36000L
Hydr Basin #:	UPPER SANTA ANA VALL
Beneficial:	MUN
Priority:	A2
Cleanup Fund Id:	Not reported
Work Suspended:	No

Summary: UNDER INVESTIGATION. NO GROUNDWATER ENCOUNTERED >200 ' BGS. NO OTHER FUEL OXYGENATES DETECTED OTHER THAN MTBE.

SWEEPS UST:

Name:	STOP 'N GO MARKETS
Address:	16880 SLOUER RD
City:	FONTANA
Status:	Active
Comp Number:	68343
Number:	9
Board Of Equalization:	44-021489
Referral Date:	07-28-92
Action Date:	07-28-92
Created Date:	02-29-88
Owner Tank Id:	1
SWRCB Tank Id:	36-000-068343-000001
Tank Status:	A
Capacity:	10000
Active Date:	08-26-88
Tank Use:	M.V. FUEL
STG:	P
Content:	REG UNLEADED

CIRCLE K STORE#5233 (Continued) **S101619280**

Number Of Tanks: 2

Name: STOP 'N GO MARKETS
Address: 16880 SLOUER RD
City: FONTANA
Status: Active
Comp Number: 68343
Number: 9
Board Of Equalization: 44-021489
Referral Date: 07-28-92
Action Date: 07-28-92
Created Date: 02-29-88
Owner Tank Id: 2
SWRCB Tank Id: 36-000-068343-000002
Tank Status: A
Capacity: 10000
Active Date: 08-26-88
Tank Use: M.V. FUEL
STG: P
Content: REG UNLEADED
Number Of Tanks: Not reported

HIST UST:
Name: STOP N GO MARKETS
Address: 16880 SLOUER RD
City,State,Zip: FONTANA, CA 92335
File Number: 0002A0EB
URL: http://geotracker.waterboards.ca.gov/ustpdfs/pdf/0002A0EB.pdf
Region: Not reported
Facility ID: Not reported
Facility Type: Not reported
Other Type: Not reported
Contact Name: Not reported
Telephone: Not reported
Owner Name: Not reported
Owner Address: Not reported
Owner City,St,Zip: Not reported
Total Tanks: Not reported

Tank Num: Not reported
Container Num: Not reported
Year Installed: Not reported
Tank Capacity: Not reported
Tank Used for: Not reported
Type of Fuel: Not reported
Container Construction Thickness: Not reported
Leak Detection: Not reported

Click here for Geo Tracker PDF:

CA FID UST:
Facility ID: 36009277
Regulated By: UTNKA
Regulated ID: 00068343
Cortese Code: Not reported
SIC Code: Not reported

CIRCLE K STORE#5233 (Continued) **S101619280**

Facility Phone: Not reported
Mail To: Not reported
Mailing Address: 16880 SLOUER RD
Mailing Address 2: Not reported
Mailing City,St,Zip: FONTANA 92335
Contact: Not reported
Contact Phone: Not reported
DUNs Number: Not reported
NPDES Number: Not reported
EPA ID: Not reported
Comments: Not reported
Status: Active

CORTESE:
Name: CIRCLE K STORE#5233
Address: 16880 SLOVER AVE
City,State,Zip: FONTANA, CA 92335
Region: CORTESE
Envirostor Id: Not reported
Global ID: T0607100634
Site/Facility Type: LUST CLEANUP SITE
Cleanup Status: COMPLETED - CASE CLOSED
Status Date: Not reported
Site Code: Not reported
Latitude: Not reported
Longitude: Not reported
Owner: Not reported
Enf Type: Not reported
Swat R: Not reported
Flag: active
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
File Name: Active Open

HIST CORTESE:
edr_fname: CIRCLE K STORE#5233
edr_fadd1: 16880
City,State,Zip: FONTANA, CA 92335
Region: CORTESE
Facility County Code: 36
Reg By: LTNKA
Reg Id: 083603645T

P66 **CIRCLE K STORE#5233** **LUST** **S104578964**
SSE **16880 SLOVER AVE** **San Bern. Co. Permit** **N/A**
1/4-1/2 **FONTANA, CA 92335** **CERS**
0.403 mi.
2128 ft. **Site 2 of 2 in cluster P**

Relative:
Lower

Actual:
1092 ft.

LUST:

Name:	CIRCLE K STORE#5233
Address:	16880 SLOVER AVE
City,State,Zip:	FONTANA, CA 92335
Lead Agency:	SANTA ANA RWQCB (REGION 8)
Case Type:	LUST Cleanup Site
Geo Track:	http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0607100634
Global Id:	T0607100634
Latitude:	34.063237
Longitude:	-117.43658
Status:	Completed - Case Closed
Status Date:	10/21/2011
Case Worker:	Not reported
RB Case Number:	083603645T
Local Agency:	SAN BERNARDINO COUNTY
File Location:	Regional Board
Local Case Number:	99112
Potential Media Affect:	Soil
Potential Contaminants of Concern:	Gasoline, MTBE / TBA / Other Fuel Oxygenates
Site History:	Soil only case. SVE system operated onsite. Case closure has been requested by customer and will be evaluated.

LUST:

Global Id:	T0607100634
Contact Type:	Local Agency Caseworker
Contact Name:	THERESA CONGDON
Organization Name:	SAN BERNARDINO COUNTY
Address:	620 SOUTH E STREET
City:	SAN BERNARDINO
Email:	tcongdon@sbcfire.org
Phone Number:	Not reported

LUST:

Global Id:	T0607100634
Action Type:	ENFORCEMENT
Date:	09/09/2011
Action:	Notification - Preclosure

Global Id:	T0607100634
Action Type:	Other
Date:	08/10/1999
Action:	Leak Reported

Global Id:	T0607100634
Action Type:	RESPONSE
Date:	04/17/2000
Action:	Site Assessment Report

Global Id:	T0607100634
Action Type:	RESPONSE
Date:	07/26/1999
Action:	Tank Removal Report / UST Sampling Report

CIRCLE K STORE#5233 (Continued) **S104578964**

Global Id: T0607100634
Action Type: REMEDIATION
Date: 04/02/2008
Action: Soil Vapor Extraction (SVE)

Global Id: T0607100634
Action Type: REMEDIATION
Date: 05/25/1999
Action: Excavation

Global Id: T0607100634
Action Type: ENFORCEMENT
Date: 08/30/2011
Action: Staff Letter

Global Id: T0607100634
Action Type: Other
Date: 05/25/1999
Action: Leak Stopped

Global Id: T0607100634
Action Type: ENFORCEMENT
Date: 05/25/1999
Action: Site Visit / Inspection / Sampling

Global Id: T0607100634
Action Type: ENFORCEMENT
Date: 05/06/2011
Action: Staff Letter

Global Id: T0607100634
Action Type: ENFORCEMENT
Date: 10/21/2011
Action: Closure/No Further Action Letter

Global Id: T0607100634
Action Type: ENFORCEMENT
Date: 06/10/2011
Action: Meeting

Global Id: T0607100634
Action Type: RESPONSE
Date: 06/14/2011
Action: Correspondence

Global Id: T0607100634
Action Type: RESPONSE
Date: 07/30/2011
Action: Other Report / Document

Global Id: T0607100634
Action Type: RESPONSE
Date: 01/25/2012
Action: Well Destruction Report

Global Id: T0607100634
Action Type: RESPONSE

CIRCLE K STORE#5233 (Continued) **S104578964**

Date: 07/30/2011
Action: Remedial Progress Report

Global Id: T0607100634
Action Type: RESPONSE
Date: 06/30/2011
Action: Remedial Progress Report

Global Id: T0607100634
Action Type: RESPONSE
Date: 09/09/2011
Action: Correspondence

Global Id: T0607100634
Action Type: RESPONSE
Date: 09/08/2011
Action: Correspondence

Global Id: T0607100634
Action Type: ENFORCEMENT
Date: 02/28/2011
Action: Staff Letter

Global Id: T0607100634
Action Type: ENFORCEMENT
Date: 02/18/2011
Action: Referral to Regional Board

Global Id: T0607100634
Action Type: ENFORCEMENT
Date: 08/30/2011
Action: File Review - Closure

Global Id: T0607100634
Action Type: ENFORCEMENT
Date: 02/24/2011
Action: File review

Global Id: T0607100634
Action Type: Other
Date: 05/25/1999
Action: Leak Discovery

Global Id: T0607100634
Action Type: RESPONSE
Date: 03/21/2011
Action: Corrective Action Plan / Remedial Action Plan

Global Id: T0607100634
Action Type: RESPONSE
Date: 04/19/2011
Action: Other Report / Document

Global Id: T0607100634
Action Type: RESPONSE
Date: 03/17/2011
Action: Other Report / Document

CIRCLE K STORE#5233 (Continued) **S104578964**

Global Id: T0607100634
Action Type: RESPONSE
Date: 03/21/2011
Action: Other Report / Document

Global Id: T0607100634
Action Type: RESPONSE
Date: 08/31/2011
Action: Site Assessment Report

Global Id: T0607100634
Action Type: RESPONSE
Date: 08/31/2011
Action: Remedial Progress Report

LUST:
Global Id: T0607100634
Status: Open - Case Begin Date
Status Date: 05/25/1999

Global Id: T0607100634
Status: Open - Site Assessment
Status Date: 08/10/1999

Global Id: T0607100634
Status: Open - Site Assessment
Status Date: 04/17/2000

Global Id: T0607100634
Status: Completed - Case Closed
Status Date: 10/21/2011

San Bern. Co. Permit:
Name: HIGHWAY PETROLEUM ENTERPRISES, INC
Address: 16880 SLOVER AVE
City,State,Zip: FONTANA, CA 92335
Region: SAN BERNARDINO
Facility ID: FA0002161
Owner: HIGHWAY PETROLEUM ENTERPRISES, INC
Permit Number: PT0016803
Permit Category: HAZMAT HANDLER 0-10 EMPLOYEES
Facility Status: INACTIVE
Expiration Date: 05/31/2012

CERS:
Name: CIRCLE K STORE#5233
Address: 16880 SLOVER AVE
City,State,Zip: FONTANA, CA 92335
Site ID: 247653
CERS ID: T0607100634
CERS Description: Leaking Underground Storage Tank Cleanup Site

Affiliation:
Affiliation Type Desc: Local Agency Caseworker
Entity Name: THERESA CONGDON - SAN BERNARDINO COUNTY

CIRCLE K STORE#5233 (Continued) **S104578964**

Entity Title:	Not reported
Affiliation Address:	620 SOUTH E STREET
Affiliation City:	SAN BERNARDINO
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,

67
ENE
1/4-1/2
0.486 mi.
2568 ft.

Relative:
Higher

Actual:
1134 ft.

KAISER FOUNDATION HOSP
9961 SIERRA AVE
FONTANA, CA 92335

ENVIROSTOR **U001574868**
UST **N/A**
AST
CERS HAZ WASTE
HIST UST
CERS TANKS
CHMIRS
EMI
HAZNET
NPDES
San Bern. Co. Permit
CIWQS
CERS
HWTS

ENVIROSTOR:

Name:	KAISER PERMANENTE - FONTANA
Address:	9961 SIERRA AVENUE
City,State,Zip:	FONTANA, CA 92335
Facility ID:	71003588
Status:	Inactive - Needs Evaluation
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 Cypress
Assembly:	47
Senate:	20
Special Program:	Not reported
Restricted Use:	NO
Site Mgmt Req:	NONE SPECIFIED
Funding:	Not reported
Latitude:	34.0728
Longitude:	-117.4336
APN:	NONE SPECIFIED
Past Use:	NONE SPECIFIED
Potential COC:	NONE SPECIFIED
Confirmed COC:	NONE SPECIFIED
Potential Description:	NONE SPECIFIED
Alias Name:	CA0001355304
Alias Type:	EPA Identification Number
Alias Name:	71003588
Alias Type:	Envirostor ID Number

KAISER FOUNDATION HOSP (Continued) **U001574868**

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

UST:

Name:	KAISER FOUNDATION HOSP
Address:	9961 SIERRA AVE
City,State,Zip:	FONTANA, CA 92335
Facility ID:	FA0004209
Permitting Agency:	San Bernardino County Fire Department
CERSID:	10041049
Latitude:	34.073377
Longitude:	-117.435509

AST:

Name:	KAISER FOUNDATION HOSP
Address:	9961 SIERRA AVE
City/Zip:	FONTANA,92335
Certified Unified Program Agencies:	Not reported
Owner:	KAISER PERMANENTE
Total Gallons:	Not reported
CERSID:	10041049
Facility ID:	FA0004209
Business Name:	Kaiser Permanente - Fontana Service Area
Phone:	909-957-3408
Fax:	909-724-5187
Mailing Address:	9961 SIERRA AVE, ATTN: ENGINEERING
Mailing Address City:	FONTANA
Mailing Address State:	CA
Mailing Address Zip Code:	92335
Operator Name:	Keith Grindle
Operator Phone:	909-427-4933
Owner Phone:	(909) 427-7700
Owner Mail Address:	9961 SIERRA AVE
Owner State:	CA
Owner Zip Code:	92335
Owner Country:	United States
Property Owner Name:	Not reported
Property Owner Phone:	Not reported
Property Owner Mailing Address:	Not reported
Property Owner City:	Not reported
Property Owner Stat :	Not reported
Property Owner Zip Code:	Not reported

KAISER FOUNDATION HOSP (Continued) **U001574868**

Property Owner Country: Not reported
EPAID: CAL000110441

CERS HAZ WASTE:
Name: KAISER FOUNDATION HOSP
Address: 9961 SIERRA AVE
City,State,Zip: FONTANA, CA 92335
Site ID: 395683
CERS ID: 10041049
CERS Description: RCRA LQ HW Generator

Name: KAISER FOUNDATION HOSP
Address: 9961 SIERRA AVE
City,State,Zip: FONTANA, CA 92335
Site ID: 395683
CERS ID: 10041049
CERS Description: Hazardous Waste Generator

HIST UST:
Name: KAISER FOUNDATION HOSPITAL
Address: 9961 SIERRA AVENUE
City,State,Zip: FONTANA, CA 92335
File Number: 0002A0BB
URL: http://geotracker.waterboards.ca.gov/ustpdfs/pdf/0002A0BB.pdf
Region: STATE
Facility ID: 00000033060
Facility Type: Other
Other Type: HOSPITAL
Contact Name: KEN NEAL
Telephone: 7148295161
Owner Name: KAISER FOUNDATION HOSPITAL
Owner Address: 9961 SIERRA AVENUE
Owner City,St,Zip: FONTANA, CA 92335
Total Tanks: 0003

Tank Num: 001
Container Num: SN 194744
Year Installed: 1978
Tank Capacity: 00030000
Tank Used for: PRODUCT
Type of Fuel: DIESEL
Container Construction Thickness: 3/8
Leak Detection: Stock Inventor

Tank Num: 002
Container Num: #1
Year Installed: 1970
Tank Capacity: 00015000
Tank Used for: PRODUCT
Type of Fuel: DIESEL
Container Construction Thickness: Not reported
Leak Detection: Stock Inventor

Tank Num: 003
Container Num: #3
Year Installed: Not reported

KAISER FOUNDATION HOSP (Continued) **U001574868**

Tank Capacity: 00000350
Tank Used for: PRODUCT
Type of Fuel: REGULAR
Container Construction Thickness: Not reported
Leak Detection: None

Click here for Geo Tracker PDF:

CERS TANKS:
Name: KAISER FOUNDATION HOSP
Address: 9961 SIERRA AVE
City,State,Zip: FONTANA, CA 92335
Site ID: 395683
CERS ID: 10041049
CERS Description: Aboveground Petroleum Storage

Name: KAISER FOUNDATION HOSP
Address: 9961 SIERRA AVE
City,State,Zip: FONTANA, CA 92335
Site ID: 395683
CERS ID: 10041049
CERS Description: Underground Storage Tank

CHMIRS:
Name: Not reported
Address: 9961 SIERRA AVENUE
City,State,Zip: FONTANA, CA
OES Incident Number: 4-6607
OES notification: 11/19/2014
OES Date: Not reported
OES Time: 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
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
Facility Telephone: Not reported

KAISER FOUNDATION HOSP (Continued) **U001574868**

Waterway Involved:	No
Waterway:	Not reported
Spill Site:	Merchant/Business
Cleanup By:	No
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Not reported
Other:	Not reported
Type:	CHEMICAL
Measure:	Lbs.
Other:	Not reported
Date/Time:	1630
Year:	2014
Agency:	NRC
Incident Date:	11/6/2014
Admin Agency:	Not reported
Amount:	Not reported
Contained:	Yes
Site Type:	Not reported
E Date:	Not reported
Substance:	Mercury
Quantity Released:	1.6
Unknown:	Not reported
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	Not reported
Number of Injuries:	Not reported
Number of Fatalities:	Not reported
#1 Pipeline:	No
#2 Pipeline:	No
#3 Pipeline:	No
#1 Vessel >= 300 Tons:	No
#2 Vessel >= 300 Tons:	No
#3 Vessel >= 300 Tons:	No
Evacs:	No
Injuries:	Broken Pipe
Fatals:	No
Comments:	Not reported
Description:	***HISTORICAL*** Per NRC#1101500: "CALLER STATED THAT THERE WAS A RELEASE OF MERCURY DUE TO A CORRODED PIPE IN THE CRAWL SPACE IN THE LABORATORY. THIS IS AN OLD SECTION OF THE HOSPITAL THAT HAS WORK BEING DONE TO IT AT THIS TIME. REMEDIAL ACTIONS: SOIL WILL BE REMEDIATED. ADDITIONAL INFORMATION: THIS SECTION OF THE HOSPITAL IS BEING DEMOLISHED."

EMI:

Name:	KAISER FONTANA HOSP
Address:	9961 SIERRA AV
City,State,Zip:	FONTANA, CA 92335
Year:	1987
County Code:	36
Air Basin:	SC
Facility ID:	11732
Air District Name:	SC

KAISER FOUNDATION HOSP (Continued) **U001574868**

SIC Code: 8062
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: 3
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers and Smllr Tons/Yr: 0

Name: KAISER FOUNDATION HOSPITAL
Address: 9961 SIERRA AV
City,State,Zip: FONTANA, CA 92335
Year: 1990
County Code: 36
Air Basin: SC
Facility ID: 11732
Air District Name: SC
SIC Code: 8060
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: 5
Reactive Organic Gases Tons/Yr: 1
Carbon Monoxide Emissions Tons/Yr: 2
NOX - Oxides of Nitrogen Tons/Yr: 8
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 1
Part. Matter 10 Micrometers and Smllr Tons/Yr: 0

Name: KAISER FOUNDATION HOSPITAL
Address: 9961 SIERRA AV
City,State,Zip: FONTANA, CA 92335
Year: 1993
County Code: 36
Air Basin: SC
Facility ID: 11732
Air District Name: SC
SIC Code: 8062
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: 5
Reactive Organic Gases Tons/Yr: 1
Carbon Monoxide Emissions Tons/Yr: 3
NOX - Oxides of Nitrogen Tons/Yr: 6
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 1
Part. Matter 10 Micrometers and Smllr Tons/Yr: 1

Name: KAISER FOUNDATION HOSPITAL
Address: 9961 SIERRA AV
City,State,Zip: FONTANA, CA 92335
Year: 1995
County Code: 36

KAISER FOUNDATION HOSP (Continued) **U001574868**

Air Basin:	SC
Facility ID:	11732
Air District Name:	SC
SIC Code:	8062
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:	5
Reactive Organic Gases Tons/Yr:	1
Carbon Monoxide Emissions Tons/Yr:	3
NOX - Oxides of Nitrogen Tons/Yr:	6
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	1
Part. Matter 10 Micrometers and Smllr Tons/Yr:	1

Name:	KAISER FOUNDATION HOSPITAL
Address:	9961 SIERRA AVE.
City,State,Zip:	FONTANA, CA 92335
Year:	2001
County Code:	36
Air Basin:	SC
Facility ID:	11732
Air District Name:	SC
SIC Code:	8062
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Y
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	4
Reactive Organic Gases Tons/Yr:	2
Carbon Monoxide Emissions Tons/Yr:	19
NOX - Oxides of Nitrogen Tons/Yr:	3
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	1
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Name:	KAISER FOUNDATION HOSPITAL
Address:	9961 SIERRA AV
City,State,Zip:	FONTANA, CA 92335
Year:	2010
County Code:	36
Air Basin:	SC
Facility ID:	11732
Air District Name:	SC
SIC Code:	8062
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:	1.3561029544755001
Reactive Organic Gases Tons/Yr:	0.80628
Carbon Monoxide Emissions Tons/Yr:	12.372629999999999
NOX - Oxides of Nitrogen Tons/Yr:	4.7488900000000003
SOX - Oxides of Sulphur Tons/Yr:	7.8869999999999996E-2
Particulate Matter Tons/Yr:	2.05254
Part. Matter 10 Micrometers and Smllr Tons/Yr:	1.6270575599999999

Name:	KAISER FOUNDATION HOSPITAL
Address:	9961 SIERRA AV

KAISER FOUNDATION HOSP (Continued) **U001574868**

City,State,Zip: FONTANA, CA 92335
Year: 2011
County Code: 36
Air Basin: SC
Facility ID: 11732
Air District Name: SC
SIC Code: 8062
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: 1.2240197747
Reactive Organic Gases Tons/Yr: 0.74408
Carbon Monoxide Emissions Tons/Yr: 10.0526
NOX - Oxides of Nitrogen Tons/Yr: 4.01031
SOX - Oxides of Sulphur Tons/Yr: 0.06635
Particulate Matter Tons/Yr: 2.0016
Part. Matter 10 Micrometers and Smllr Tons/Yr: 1.55838678

Name: KAISER FOUNDATION HOSPITALS/
Address: 9961 SIERRA AVE
City,State,Zip: FONTANA, CA 92335
Year: 2012
County Code: 36
Air Basin: SC
Facility ID: 11732
Air District Name: SC
SIC Code: 8062
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: 2.2094552544
Reactive Organic Gases Tons/Yr: 1.29952
Carbon Monoxide Emissions Tons/Yr: 8.17013
NOX - Oxides of Nitrogen Tons/Yr: 5.37899
SOX - Oxides of Sulphur Tons/Yr: 0.05807
Particulate Matter Tons/Yr: 2.20966
Part. Matter 10 Micrometers and Smllr Tons/Yr: 1.76270698

HAZNET:
Name: JCT MECHANIACAL
Address: 9961 SIERRA AVE
Address 2: Not reported
City,State,Zip: FONTANA, CA 92335
Contact: JOE MCALLISTER
Telephone: 6619455680
Mailing Name: Not reported
Mailing Address: 230 E AVENUE K UNIT 1

Year: 2013
Gepaid: CAC002714265
TSD EPA ID: NVT330010000
CA Waste Code: 352 - Other organic solids
Disposal Method: H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Tons: 0.15

KAISER FOUNDATION HOSP (Continued) **U001574868**

Additional Info:

Year:	2013
Gen EPA ID:	CAC002714265
Shipment Date:	20130128
Creation Date:	8/21/2013 22:15:07
Receipt Date:	20130206
Manifest ID:	003641202SKS
Trans EPA ID:	TXR000081205
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	OKD981588791
Trans 2 Name:	TRIAD TRANSPORT INC
TSDF EPA ID:	NVT330010000
Trans Name:	US ECOLOGY NEVADA
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	0.15
Waste Quantity:	300
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

NPDES:

Name:	KAISER FONTANA MEDICAL OFFICE BUILDING
Address:	9961 SIERRA AVE
City,State,Zip:	FONTANA, CA 92335
Facility Status:	Not reported
NPDES Number:	Not reported
Region:	Not reported
Agency Number:	Not reported
Regulatory Measure ID:	Not reported
Place ID:	Not reported
Order Number:	Not reported
WDID:	8 36C371212
Regulatory Measure Type:	Construction
Program Type:	Not reported
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Discharge Address:	Not reported
Discharge Name:	Not reported
Discharge City:	Not reported
Discharge State:	Not reported
Discharge Zip:	Not reported
Status:	Terminated
Status Date:	11/14/2017
Operator Name:	Kaiser Permanente Foundation Health Plan
Operator Address:	14520 Hawthorne Ave

KAISER FOUNDATION HOSP (Continued) **U001574868**

Operator City:	Fontana
Operator State:	California
Operator Zip:	92335

NPDES as of 03/2018:

NPDES Number:	Not reported
Status:	Not reported
Agency Number:	Not reported
Region:	8
Regulatory Measure ID:	450236
Order Number:	Not reported
Regulatory Measure Type:	Construction
Place ID:	Not reported
WDID:	8 36C371212
Program Type:	Not reported
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	Not reported
Discharge Address:	Not reported
Discharge City:	Not reported
Discharge State:	Not reported
Discharge Zip:	Not reported
Received Date:	10/21/2014
Processed Date:	10/21/2014
Status:	Active
Status Date:	10/21/2014
Place Size:	3.1
Place Size Unit:	Acres
Contact:	Lorraine Haines
Contact Title:	Senior Project Manager
Contact Phone:	909-427-4150
Contact Phone Ext:	Not reported
Contact Email:	lorraine.b.haines@kp.org
Operator Name:	Kaiser Permanente Foundation Health Plan
Operator Address:	14520 Hawthorne Ave
Operator City:	Fontana
Operator State:	California
Operator Zip:	92335
Operator Contact:	Joon Lee
Operator Contact Title:	Senior Project Manager
Operator Contact Phone:	951-415-1347
Operator Contact Phone Ext:	Not reported
Operator Contact Email:	joon.s.lee@kp.org
Operator Type:	Private Business
Developer:	United Riggers and Erectors
Developer Address:	4188 Valley Blvd
Developer City:	Walnut
Developer State:	California
Developer Zip:	91789
Developer Contact:	Jay Baugh
Developer Contact Title:	Not reported
Constype Linear Utility Ind:	N
Emergency Phone:	951-427-8049
Emergency Phone Ext:	Not reported
Constype Above Ground Ind:	N
Constype Below Ground Ind:	N

KAISER FOUNDATION HOSP (Continued) **U001574868**

Constype Cable Line Ind:	N
Constype Comm Line Ind:	N
Constype Commertial Ind:	N
Constype Electrical Line Ind:	N
Constype Gas Line Ind:	N
Constype Industrial Ind:	N
Constype Other Description:	Not reported
Constype Other Ind:	N
Constype Recons Ind:	Y
Constype Residential Ind:	N
Constype Transport Ind:	N
Constype Utility Description:	Not reported
Constype Utility Ind:	N
Constype Water Sewer Ind:	N
Dir Discharge Uswater Ind:	N
Receiving Water Name:	Santa Ana River
Certifier:	Lorraine Haines
Certifier Title:	Project Manager
Certification Date:	23-APR-15
Primary Sic:	Not reported
Secondary Sic:	Not reported
Tertiary Sic:	Not reported
NPDES Number:	CAS000002
Status:	Terminated
Agency Number:	0
Region:	8
Regulatory Measure ID:	450236
Order Number:	2009-0009-DWQ
Regulatory Measure Type:	Enrollee
Place ID:	Not reported
WDID:	8 36C371212
Program Type:	Construction
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	10/21/2014
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	11/02/2017
Discharge Name:	Kaiser Permanente Foundation Health Plan
Discharge Address:	14520 Hawthorne Ave
Discharge City:	Fontana
Discharge State:	California
Discharge Zip:	92335
Received Date:	Not reported
Processed Date:	Not reported
Status:	Not reported
Status Date:	Not reported
Place Size:	Not reported
Place Size Unit:	Not reported
Contact:	Not reported
Contact Title:	Not reported
Contact Phone:	Not reported
Contact Phone Ext:	Not reported
Contact Email:	Not reported
Operator Name:	Not reported
Operator Address:	Not reported
Operator City:	Not reported
Operator State:	Not reported

KAISER FOUNDATION HOSP (Continued) **U001574868**

Operator Zip:	Not reported
Operator Contact:	Not reported
Operator Contact Title:	Not reported
Operator Contact Phone:	Not reported
Operator Contact Phone Ext:	Not reported
Operator Contact Email:	Not reported
Operator Type:	Not reported
Developer:	Not reported
Developer Address:	Not reported
Developer City:	Not reported
Developer State:	Not reported
Developer Zip:	Not reported
Developer Contact:	Not reported
Developer Contact Title:	Not reported
Constype Linear Utility Ind:	Not reported
Emergency Phone:	Not reported
Emergency Phone Ext:	Not reported
Constype Above Ground Ind:	Not reported
Constype Below Ground Ind:	Not reported
Constype Cable Line Ind:	Not reported
Constype Comm Line Ind:	Not reported
Constype Commertial Ind:	Not reported
Constype Electrical Line Ind:	Not reported
Constype Gas Line Ind:	Not reported
Constype Industrial Ind:	Not reported
Constype Other Description:	Not reported
Constype Other Ind:	Not reported
Constype Recons Ind:	Not reported
Constype Residential Ind:	Not reported
Constype Transport Ind:	Not reported
Constype Utility Description:	Not reported
Constype Utility Ind:	Not reported
Constype Water Sewer Ind:	Not reported
Dir Discharge Uswater Ind:	Not reported
Receiving Water Name:	Not reported
Certifier:	Not reported
Certifier Title:	Not reported
Certification Date:	Not reported
Primary Sic:	Not reported
Secondary Sic:	Not reported
Tertiary Sic:	Not reported

San Bern. Co. Permit:

Name:	KAISER FOUNDATION HOSP
Address:	9961 SIERRA AVE
City,State,Zip:	FONTANA, CA 92335
Region:	SAN BERNARDINO
Facility ID:	FA0004209
Owner:	KAISER PERMANENTE
Permit Number:	PT0001866
Permit Category:	HAZARDOUS MATERIALS 11-30 CHEMICALS
Facility Status:	ACTIVE
Expiration Date:	10/31/2022

Name:	KAISER FOUNDATION HOSP
Address:	9961 SIERRA AVE

KAISER FOUNDATION HOSP (Continued) **U001574868**

City,State,Zip: FONTANA, CA 92335
Region: SAN BERNARDINO
Facility ID: FA0004209
Owner: KAISER PERMANENTE
Permit Number: PT0025376
Permit Category: APSA 10,001-100,000 GAL FAC CAPACITY
Facility Status: ACTIVE
Expiration Date: 10/31/2022

Name: KAISER FOUNDATION HOSP
Address: 9961 SIERRA AVE
City,State,Zip: FONTANA, CA 92335
Region: SAN BERNARDINO
Facility ID: FA0004209
Owner: KAISER PERMANENTE
Permit Number: PT0019501
Permit Category: LARGE QUANTITY GENERATOR
Facility Status: ACTIVE
Expiration Date: 10/31/2022

Name: KAISER FOUNDATION HOSP
Address: 9961 SIERRA AVE
City,State,Zip: FONTANA, CA 92335
Region: SAN BERNARDINO
Facility ID: FA0004209
Owner: KAISER PERMANENTE
Permit Number: PT0025450
Permit Category: REGULAR UST ANNUAL INSPECTION (PER TANK)
Facility Status: ACTIVE
Expiration Date: 10/31/2022

Name: KAISER FOUNDATION HOSP
Address: 9961 SIERRA AVE
City,State,Zip: FONTANA, CA 92335
Region: SAN BERNARDINO
Facility ID: FA0004209
Owner: KAISER PERMANENTE
Permit Number: PT0025451
Permit Category: REGULAR UST ANNUAL INSPECTION (PER TANK)
Facility Status: ACTIVE
Expiration Date: 10/31/2022

Name: KAISER FOUNDATION HOSP
Address: 9961 SIERRA AVE
City,State,Zip: FONTANA, CA 92335
Region: SAN BERNARDINO
Facility ID: FA0004209
Owner: KAISER PERMANENTE
Permit Number: PT0012376
Permit Category: COMPLEX ANNUAL INSP VPH/ > 8 DISP (PER TANK)
Facility Status: ACTIVE
Expiration Date: 10/31/2022

Name: KAISER FOUNDATION HOSP
Address: 9961 SIERRA AVE
City,State,Zip: FONTANA, CA 92335
Region: SAN BERNARDINO

KAISER FOUNDATION HOSP (Continued) **U001574868**

Facility ID: FA0004209
Owner: KAISER PERMANENTE
Permit Number: PT0012377
Permit Category: COMPLEX ANNUAL INSP VPH/ > 8 DISP (PER TANK)
Facility Status: ACTIVE
Expiration Date: 10/31/2022

Name: KAISER FOUNDATION HOSP
Address: 9961 SIERRA AVE
City,State,Zip: FONTANA, CA 92335
Region: SAN BERNARDINO
Facility ID: FA0004209
Owner: KAISER PERMANENTE
Permit Number: PT0012378
Permit Category: COMPLEX ANNUAL INSP VPH/ > 8 DISP (PER TANK)
Facility Status: ACTIVE
Expiration Date: 10/31/2022

Name: KAISER FOUNDATION HOSP
Address: 9961 SIERRA AVE
City,State,Zip: FONTANA, CA 92335
Region: SAN BERNARDINO
Facility ID: FA0004209
Owner: KAISER PERMANENTE
Permit Number: PT0036543
Permit Category: RCRA LQG GENERAL ACTIVITY(NB)
Facility Status: FEE EXEMPT
Expiration Date: 10/31/2017

Name: KAISER FOUNDATION HOSP
Address: 9961 SIERRA AVE
City,State,Zip: FONTANA, CA 92335
Region: SAN BERNARDINO
Facility ID: FA0004209
Owner: KAISER PERMANENTE
Permit Number: PT0001867
Permit Category: HAZARDOUS WASTE GENERATOR - 11-25 EMPLOYEES
Facility Status: INACTIVE
Expiration Date: 10/31/2008

CIWQS:
Name: KAISER FONTANA MEDICAL OFFICE BUILDING
Address: 9961 SIERRA AVE
City,State,Zip: FONTANA, CA 92335
Agency: Kaiser Permanente Foundation Health Plan
Agency Address: 14520 Hawthorne Ave, Fontana, CA 92335
Place/Project Type: Construction - Reconstruction
SIC/NAICS: Not reported
Region: 8
Program: CONSTW
Regulatory Measure Status: Terminated
Regulatory Measure Type: Storm water construction
Order Number: 2009-0009-DWQ
WDID: 8 36C371212
NPDES Number: CAS000002
Adoption Date: Not reported
Effective Date: 10/21/2014

KAISER FOUNDATION HOSP (Continued) **U001574868**

Termination Date:	11/02/2017
Expiration/Review Date:	Not reported
Design Flow:	Not reported
Major/Minor:	Not reported
Complexity:	Not reported
TTWQ:	Not reported
Enforcement Actions within 5 years:	0
Violations within 5 years:	0
Latitude:	34.073384
Longitude:	-117.435189

Name:	KAISER MEDICAL CENTRE REPLACEMENT HOSPITAL
Address:	9961 SIERRA AVE
City,State,Zip:	FONTANA, CA 92335
Agency:	Kaiser Permanente Health Plan
Agency Address:	17238 Valley Blvd, Fontana, CA 92335
Place/Project Type:	Construction - Reconstruction
SIC/NAICS:	Not reported
Region:	8
Program:	CONSTW
Regulatory Measure Status:	Terminated
Regulatory Measure Type:	Storm water construction
Order Number:	2009-0009-DWQ
WDID:	8 36C353283
NPDES Number:	CAS000002
Adoption Date:	Not reported
Effective Date:	09/04/2008
Termination Date:	12/03/2013
Expiration/Review Date:	Not reported
Design Flow:	Not reported
Major/Minor:	Not reported
Complexity:	Not reported
TTWQ:	Not reported
Enforcement Actions within 5 years:	0
Violations within 5 years:	0
Latitude:	34.07285
Longitude:	-117.43365

CERS:

Name:	KAISER FOUNDATION HOSPITALS
Address:	9961 SIERRA AVENUE
City,State,Zip:	FONTANA, CA 92335-6720
Site ID:	475284
CERS ID:	110002414600
CERS Description:	US EPA Air Emission Inventory System (EIS)

Affiliation:

Affiliation Type Desc:	UST PO Name
Entity Name:	KAISER FNDTN HOSPITALS
Entity Title:	Not reported
Affiliation Address:	ONE KAISER PLAZA
Affiliation City:	OAKLAND
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,

KAISER FOUNDATION HOSP (Continued) **U001574868**

Affiliation Type Desc:	Environmental Contact
Entity Name:	VINCE HERNANDEZ
Entity Title:	Not reported
Affiliation Address:	9961 SIERRA AVENA ATTN FACILITIES SERVICES
Affiliation City:	FONTANA
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,
Name:	KAISER FOUNDATION HOSP
Address:	9961 SIERRA AVE
City,State,Zip:	FONTANA, CA 92335
Site ID:	395683
CERS ID:	10041049
CERS Description:	Chemical Storage Facilities

Violations:

Site ID:	395683
Site Name:	KAISER FOUNDATION HOSP
Violation Date:	11-04-2015
Citation:	23 CCR 16 2638 - California Code of Regulations, Title 23, Chapter 16, Section(s) 2638
Violation Description:	Failure to test leak detection equipment as required every 12 months (VPH, sensor, LLD, ATG, etc.) and/or submit monitoring system certification to the CUPA within 30 days of completion of the test
Violation Notes:	Returned to compliance on 12/03/2015. OBSERVATION: 1)The liquid sensor (ULS-type) was observed to be damaged. Sensor was observed in the S3 sump, located in the South UST#1. 2)The SCCM (Secondary Containment Control Module) , for Zone 1 failed when tested . Vacuum sensor was observed in the South UST#1. 3) The annular sensor failed when tested. Failed sensor was observed in the North diesel tank 3. COMPLIANCE REQUIREMENT: Replace/ repair all non-functional sensors. Call office for a witnessed re-test of repair/ replaced sensors.
Violation Division:	San Bernardino County Fire Department
Violation Program:	UST
Violation Source:	CERS,
Site ID:	395683
Site Name:	KAISER FOUNDATION HOSP
Violation Date:	11-03-2017
Citation:	HSC 6.7 25284, 25286 - California Health and Safety Code, Chapter 6.7, Section(s) 25284, 25286
Violation Description:	Failure to submit a complete and accurate application for a permit to operate a UST, or for renewal of the permit.
Violation Notes:	Returned to compliance on 11/15/2017. 12/05/17: CORRECTIONS WERE MADE TO THE CERS SUBMITTAL 11/15/17, CLEAR VIOLATIONS PER G. BEACH-PREYES OBSERVATION: SUBMITTED UNDERGROUND STORAGE TANK (UST) INFORMATION IN CALIFORNIA ENVIRONMENTAL REPORTING SYSTEM (CERS) WAS NOT ACCURATE, COMPLETE, OR CURRENT. CORRECT THE FOLLOWING: 1) UPDATE TANK INSTALLED DATES ACCORDINGLY AS NOTED ON THIS REPORT. 2) UPDATE MONITORING PLAN TO INDICATE THAT NEW CUP TANKS HAVE TS-UHS SENSORS MONITORING TANK SUMP ANNULARS COMPLIANCE REQUIREMENT: UPDATE AND RESUBMIT ACCURATE, COMPLETE, AND CURRENT UST INFORMATION IN CERS.
Violation Division:	San Bernardino County Fire Department
Violation Program:	UST
Violation Source:	CERS,

KAISER FOUNDATION HOSP (Continued) **U001574868**

Site ID:	395683
Site Name:	KAISER FOUNDATION HOSP
Violation Date:	04-01-2021
Citation:	HSC 6.67 25270.4.5(a) - California Health and Safety Code, Chapter 6.67, Section(s) 25270.4.5(a)
Violation Description:	Failure to test or inspect each aboveground container for integrity based on industry standards as discussed in the SPCC Plan: 1. On a regular schedule. 2. After making material repairs. 3. Use non-destructive testing. 4. Inspect each container s supports, foundations, and outside for signs of deterioration, discharges, or accumulation of oil inside diked areas.
Violation Notes:	OBSERVATION: Monthly inspections of the petroleum storage tanks are not being conducted per STI SP001 standards, which is the standard cited in the SPCC plan. Ensure that all required items of the STI SP001 monthly inspection form are being verified. Annual inspections are not being conducted on all petroleum storage tanks as required by STI. Also, the SPCC plan has classified the four generator day tanks and 200-gallon double walled AST at the cooling tower area as category 3 tanks and required a formal external integrity inspection to be conducted on the tanks at least once every 10 years. The tanks were installed prior to 1989 per the plan and no formal integrity inspection documentation was available. CORRECTIVE ACTION: Submit copies of completed monthly, annual, and formal integrity inspections meeting STI requirements.
Violation Division:	San Bernardino County Fire Department
Violation Program:	APSA
Violation Source:	CERS,

Site ID:	395683
Site Name:	KAISER FOUNDATION HOSP
Violation Date:	12-30-2019
Citation:	HSC 6.7 25292(e) - California Health and Safety Code, Chapter 6.7, Section(s) 25292(e)
Violation Description:	Failure to install a line leak detector (LLD).
Violation Notes:	Returned to compliance on 02/20/2020. OBSERVATION: Electronic Line Leak Detectros have not been installed on the three (3) Underground Storage Tanks located at the "Old" Central Utility Plant location. CORRECTIVE ACTION: Submit plans for installation of Electronic Line Leak Detectors within sixty (60) days.
Violation Division:	San Bernardino County Fire Department
Violation Program:	UST
Violation Source:	CERS,

Site ID:	395683
Site Name:	KAISER FOUNDATION HOSP
Violation Date:	06-11-2019
Citation:	HSC 6.7 25290.1(e)2 - California Health and Safety Code, Chapter 6.7, Section(s) 25290.1(e)2
Violation Description:	Failure to maintain the interstitial space such that a breach in the primary or secondary containment is detected before the liquid or vapor phase of the hazardous substance stored in the UST tank is released into the environment, i.e., vapor, pressure, hydrostatic (VPH) monitoring.
Violation Notes:	Returned to compliance on 11/15/2019. OBSERVED THE FOLLOWING FAILURES/ALARMS AT THE TIME OF INSPECTION: -NO BRINE INSIDE THE TRANSITION PIPING SUMP. -VENT CONTAINMENT BRINE LEAK. -ALL VACUUM LINE FAILURES. 3 LOW VACUUM ALARMS AND 1 HIGH VACUUM ALARM. -BRINE LEAKS

KAISER FOUNDATION HOSP (Continued) **U001574868**

INSIDE 3 OUT OF 4 TURBINE SUMPS. SUBMIT PLANS FOR REPAIR OF ALL ABOVE NOTED FAILURES TO THIS DEPARTMENT WITHIN 15 DAYS.

Violation Division: San Bernardino County Fire Department
Violation Program: UST
Violation Source: CERS,

Site ID: 395683
Site Name: KAISER FOUNDATION HOSP
Violation Date: 11-05-2018
Citation: HSC 6.7 25290.1(d) - California Health and Safety Code, Chapter 6.7, Section(s) 25290.1(d)
Violation Description: Failure of a UST system installed on or after July 1, 2004 to be designed and constructed with a monitoring system capable of detecting the entry of the liquid or vapor-phase of the hazardous substance stored in the primary containment into the secondary containment and capable of detecting water intrusion into the secondary containment.
Violation Notes: Returned to compliance on 05/27/2020. OBSERVATION: Please make the following repairs: 1) The hydrostatic sensor (TS-UHS) in Sump 8 was not working. Technician stated that the sensor needs to be ordered. 2) Alarms on monitoring panel: o Transition Sump- brine sensor o Tank 2 Sump 8- brine sensor o Zone 1 Tank 1- vacuum sensor too high CORRECTIVE ACTION: 1) Replace non-working hydrostatic sensor (TS-UHS) in Sump 8. 2) Repair to eliminate brine leak in the system.- Contact this Division with scope of work. Ensure that required permits are obtained prior to making repairs.
Violation Division: San Bernardino County Fire Department
Violation Program: UST
Violation Source: CERS,

Site ID: 395683
Site Name: KAISER FOUNDATION HOSP
Violation Date: 04-01-2021
Citation: HSC 6.67 25270.4.5(a) - California Health and Safety Code, Chapter 6.67, Section(s) 25270.4.5(a)
Violation Description: Failure to discuss in the SPCC Plan procedures to test or inspect each aboveground container for integrity in accordance with industry standards: 1. On a regular schedule. 2. After material repairs are made. 3. By qualified personnel. 4. The frequency and type of testing and inspections based on container size, configuration, and design.
Violation Notes: Returned to compliance on 10/07/2021. OBSERVATION: The SPCC plan cites STI SP001 as the industry tank standard but does not describe conducting annual periodic inspections of the petroleum storage tanks, which are required by STI. CORRECTIVE ACTION: Submit a signed statement that the SPCC plan has been revised to include tank integrity procedures meeting a generally accepted tank industry standard.
Violation Division: San Bernardino County Fire Department
Violation Program: APSA
Violation Source: CERS,

Site ID: 395683
Site Name: KAISER FOUNDATION HOSP
Violation Date: 11-04-2016
Citation: 23 CCR 16 2712 - California Code of Regulations, Title 23, Chapter 16, Section(s) 2712
Violation Description: Failure to comply with any of the applicable requirements of the permit issued for the operation of the UST system.

KAISER FOUNDATION HOSP (Continued) **U001574868**

Violation Notes:	Returned to compliance on 12/15/2016. COMPLIANCE ACTIVITY (12/06/2016)WITNESS RE-TEST-PASSED AND REC'D SIGNED C OF C. SB INCON UST MONITORING PANEL DID NOT HAVE A FUNCTIONING AUDIBLE ALARM DURING THE UST MONITORING SYSTEM CERTIFICATION. IMMEDIATELY PROVIDE AN AUDIBLE ALARM AT THE INCON UST MONITORING PANEL AND SCHEDULE A WITNESSED TEST OF THE ALARM WITH THIS DEPARTMENT WITHIN 14 DAYS. NOTE: CONTACT THIS DEPARTMENT FOR APPROVAL PRIOR TO ANY REPAIRS REQUIRING PERMITS.
Violation Division:	San Bernardino County Fire Department
Violation Program:	UST
Violation Source:	CERS,
Site ID:	395683
Site Name:	KAISER FOUNDATION HOSP
Violation Date:	11-08-2013
Citation:	23 CCR 16 2715 - California Code of Regulations, Title 23, Chapter 16, Section(s) 2715
Violation Description:	Failure to comply with one or more of the designated operator monthly inspection requirements: failed to inspect the monthly alarm history report; attach a copy of the alarm history; failed to inspect for the presence of liquid or debris in the spill container/spill bucket and under dispenser containment; failed to inspect the under dispenser containment to ensure that monitoring equipment is placed in the proper position; failure to inspect for liquid or debris in the containment sump where an alarm occurred or for which there is no record of a service visit; or failure to check that all testing and maintenance has been completed and documented.
Violation Notes:	Returned to compliance on 11/07/2015. UST MONTHLY INSPECTION REPRORTS MISSING ALARM HISTORY PRINTOUTS EXCEPT FOR FEBRUARY OF 2013. UST D.O. MONTHLY INSPECTION REPORTS MUST INCLUDE ALARM HISTORY PRINT OUTS AND BE AVAILABLE ON SITE FOR REVIEW. OBTAIN/MAINTAIN ON SITE MISSNG ALARM HISTORY PRINT OUTS.
Violation Division:	San Bernardino County Fire Department
Violation Program:	UST
Violation Source:	CERS,
Site ID:	395683
Site Name:	KAISER FOUNDATION HOSP
Violation Date:	09-11-2017
Citation:	HSC 6.67 25270.4.5(a) - California Health and Safety Code, Chapter 6.67, Section(s) 25270.4.5(a)
Violation Description:	Failure to test or inspect each aboveground container for integrity based on industry standards discussed in the SPCC Plan: 1. On a regular schedule. 2. After making material repairs. 3. Use non-destructive testing. 4. Inspect each container s supports, foundations, and outside for signs of deterioration, discharges, or accumulation of oil inside diked areas.
Violation Notes:	Returned to compliance on 03/03/2020. Integrity testing based on industry standards as discussed in the SPCC plan is not conducted for each aboveground container.
Violation Division:	San Bernardino County Fire Department
Violation Program:	APSA
Violation Source:	CERS,
Site ID:	395683
Site Name:	KAISER FOUNDATION HOSP
Violation Date:	11-03-2017

KAISER FOUNDATION HOSP (Continued) **U001574868**

Citation:	23 CCR 16 2712(i), 2632(d)(2), 2634(e), 2641(h) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2712(i), 2632(d)(2), 2634(e), 2641(h)
Violation Description:	Failure to submit a current UST Response Plan available on site.
Violation Notes:	Returned to compliance on 11/15/2017. OBSERVATION: UST MONITORING PLAN IN CALIFORNIA ENVIRONMENTAL REPORTING SYSTEM (CERS) DID NOT INDICATE THAT TS-UHS SENSORS MONITOR TANK SUMP ANNULARS. COMPLIANCE REQUIREMENT: UPDATE AND RESUBMIT ACCURATE AND CURRENT UST MONITORING PLAN IN CERS.
Violation Division:	San Bernardino County Fire Department
Violation Program:	UST
Violation Source:	CERS,
Site ID:	395683
Site Name:	KAISER FOUNDATION HOSP
Violation Date:	11-15-2019
Citation:	HSC 6.7 25290.1(e)2 - California Health and Safety Code, Chapter 6.7, Section(s) 25290.1(e)2
Violation Description:	Failure to maintain the interstitial space such that a breach in the primary or secondary containment is detected before the liquid or vapor phase of the hazardous substance stored in the UST tank is released into the environment, i.e., vapor, pressure, hydrostatic (VPH) monitoring.
Violation Notes:	Returned to compliance on 05/27/2020. OBSERVATION: Brine was observed to be leaking inside the transition sump sensors. Secondary lines were not holding vacuum. INCON system has been in alarm. Alarms documented on DO reports. Al vacuum sensors in high and low vacuum alarm. CORRECTIVE ACTION: Immediately investigate the leaks and submit plans to this Agency for repairs within thirty (30) days. NOTE: At the time of this inspection, initial plans have been submitted to this Agency and will be reviewed.
Violation Division:	San Bernardino County Fire Department
Violation Program:	UST
Violation Source:	CERS,
Site ID:	395683
Site Name:	KAISER FOUNDATION HOSP
Violation Date:	11-04-2015
Citation:	HSC 6.7 29291(b) - California Health and Safety Code, Chapter 6.7, Section(s) 29291(b)
Violation Description:	Failure of the UST system to be designed and constructed with a monitoring system capable of detecting the entry of the hazardous substance stored in the primary containment into the secondary containment.
Violation Notes:	Returned to compliance on 12/03/2015. OBSERVATION: 1)The liquid sensor (ULS-type) was observed to be damaged. Sensor was observed in the S3 sump, located in the South UST#1. 2)The SCCM (Secondary Containment Control Module) , for Zone 1 failed when tested . Vacuum sensor was observed in the South UST#1. 3) The annular sensor failed when tested. Failed sensor was observed in the North diesel tank 3. COMPLIANCE REQUIREMENT: Replace/ repair all non-functional sensors. Call office for a witnessed re-test of repair/ replaced sensors.
Violation Division:	San Bernardino County Fire Department
Violation Program:	UST
Violation Source:	CERS,
Site ID:	395683

KAISER FOUNDATION HOSP (Continued) **U001574868**

Site Name:	KAISER FOUNDATION HOSP
Violation Date:	09-11-2017
Citation:	HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description:	Failure to complete and electronically submit hazardous material inventory information for all reportable hazardous materials on site at or above reportable quantities.
Violation Notes:	Returned to compliance on 11/15/2018. Hazardous materials above reportable threshold were observed on site, but not included in the Business Plan Inventory.
Violation Division:	San Bernardino County Fire Department
Violation Program:	HMRRP
Violation Source:	CERS,
Site ID:	395683
Site Name:	KAISER FOUNDATION HOSP
Violation Date:	04-01-2021
Citation:	HSC 6.95 25508.1(a)-(f) - California Health and Safety Code, Chapter 6.95, Section(s) 25508.1(a)-(f)
Violation Description:	Failure to electronically update business plan within 30 days of any one of the following events: A 100 percent or more increase in the quantity of a previously disclosed material. Any handling of a previously undisclosed hazardous materials at or above reportable quantities. A change of business address, business ownership, or business name. A substantial change in the handler's operations that requires modification to any portion of the business plan.
Violation Notes:	Not reported
Violation Division:	San Bernardino County Fire Department
Violation Program:	HMRRP
Violation Source:	CERS,
Site ID:	395683
Site Name:	KAISER FOUNDATION HOSP
Violation Date:	08-14-2013
Citation:	HSC 6.95 25505(a) - California Health and Safety Code, Chapter 6.95, Section(s) 25505(a)
Violation Description:	Owner/Operator failed to complete and/or submit a Hazardous Materials Business Plan when storing hazardous materials at or above the thresholds quantities of 55 gallons/500 lbs/200 cubic feet.
Violation Notes:	Returned to compliance on 09/20/2013.
Violation Division:	San Bernardino County Fire Department
Violation Program:	HMRRP
Violation Source:	CERS,
Site ID:	395683
Site Name:	KAISER FOUNDATION HOSP
Violation Date:	11-04-2015
Citation:	HSC 6.7 29291(b) - California Health and Safety Code, Chapter 6.7, Section(s) 29291(b)
Violation Description:	Failure of the UST system to be designed and constructed with a monitoring system capable of detecting the entry of the hazardous substance stored in the primary containment into the secondary containment.
Violation Notes:	Returned to compliance on 12/03/2015. OBSERVATION: 1) Brine was observed in both the S1 & S2 sumps, located in the South UST#1. COMPLIANCE REQUIREMENT: 1) Submit a copy of the work order, documenting that the integrity both the S1 & S2 sumps are sound. If a

KAISER FOUNDATION HOSP (Continued) **U001574868**

leak in the sump's secondary containment is discovered, contact this office to see if a construction permit is required for repairs.
Violation Division: San Bernardino County Fire Department
Violation Program: UST
Violation Source: CERS,

Site ID: 395683
Site Name: KAISER FOUNDATION HOSP
Violation Date: 11-08-2013
Citation: HSC 6.7 25299 - California Health and Safety Code, Chapter 6.7, Section(s) 25299
Violation Description: Failure to comply with one or more of the operating permit conditions.
Violation Notes: Returned to compliance on 11/08/2013. NORTH FILL TANK SENSOR (VR208) FAILED WHEN INITIALLY TESTED. SENSOR WAS REPLACED "LIKE FOR LIKE" AND PASSED WHEN TESTED. VIOLATION CORRECTED AT THE TIME OF INSPECTION.
Violation Division: San Bernardino County Fire Department
Violation Program: UST
Violation Source: CERS,

Site ID: 395683
Site Name: KAISER FOUNDATION HOSP
Violation Date: 11-04-2015
Citation: 23 CCR 16 2632, 2634, 2636, 2666 - California Code of Regulations, Title 23, Chapter 16, Section(s) 2632, 2634, 2636, 2666
Violation Description: Failure of the leak detection equipment to have an audible and visual alarm as required.
Violation Notes: Returned to compliance on 12/03/2015. OBSERVATION: 4) South UST#1 & UST#2 external audio/ visual overfill alarmed failed when tested. COMPLIANCE REQUIREMENT: Submit work order documenting repair/ and functionality of the overfill alarm.
Violation Division: San Bernardino County Fire Department
Violation Program: UST
Violation Source: CERS,

Site ID: 395683
Site Name: KAISER FOUNDATION HOSP
Violation Date: 11-04-2016
Citation: 23 CCR 16 2665 - California Code of Regulations, Title 23, Chapter 16, Section(s) 2665
Violation Description: Failure of the overfill prevention system to meet one of the following requirements: Alert the transfer operator when the tank is 90 percent full by restricting the flow into the tank or triggering an audible and visual alarm; or Restrict delivery of flow to the tank at least 30 minutes before the tank overfills, provided the restriction occurs when the tank is filled to no more than 95 percent of capacity; and activate an audible alarm at least five minutes before the tank overfills; or Provide positive shut-off of flow to the tank when the tank is filled to no more than 95 percent of capacity; or Provide positive shut-off of flow to the tank so that none of the fittings located on the top of the tank are exposed to product due to overfilling.
Violation Notes: Returned to compliance on 12/15/2016. COMPLIANCE ACTIVITY (12/06/2016)WITNESS RE-TEST-PASSED AND REC'D SIGNED C OF C. SB EXTERNAL OVERFILL ANNUNCIATOR AT THE OLD CUP WAS OBSERVED TO BE INOPERABLE AT THE TIME OF INSPECTION. REPAIR/REPLACE INOPERABLE OVERFILL EXTERNAL ANNUNCIATOR AND SCHEDULE A WITNESSED RETEST OF ALL OVERFILL ALARMS AT THE OLD CUP WITH THIS DEPARTMENT WITHIN 14 DAYS.

KAISER FOUNDATION HOSP (Continued) **U001574868**

Violation Division: San Bernardino County Fire Department
Violation Program: UST
Violation Source: CERS,

Site ID: 395683
Site Name: KAISER FOUNDATION HOSP
Violation Date: 11-04-2016
Citation: HSC 6.7 25292(e) - California Health and Safety Code, Chapter 6.7, Section(s) 25292(e)
Violation Description: Failure to install a line leak detector (LLD).
Violation Notes: Returned to compliance on 11/04/2016. 1/27/16 - Per SWRCB LG 162-3 this system is exempt from leak detection. Violation is N/A and is cleared. TC 12/21/16 - An email was received on 12/13/16 (prior to the original compliance deadline of 11/18/16) from Jim Brown of Belshire requesting reconsideration of this violation. After discussion with J May a 60 day extension is granted. TCongdon NEW CUP UST TANK SYSTEM ARE A PRESSURE SYSTEM WITHOUT LEAK DETECTORS. IN LIEU OF INSTALLATION OF THE LEAK DETECTORS, AN ANNUAL LINE INTEGRITY TEST FOR THIS UST SYSTEM IS REQUIRED. SCHEDULE A WITNESSED LINE INTEGRITY TEST WITH THIS DEPARTMENT WITHIN 14 DAYS.
Violation Division: San Bernardino County Fire Department
Violation Program: UST
Violation Source: CERS,

Site ID: 395683
Site Name: KAISER FOUNDATION HOSP
Violation Date: 11-07-2014
Citation: HSC 6.7 29291(b) - California Health and Safety Code, Chapter 6.7, Section(s) 29291(b)
Violation Description: Failure of the UST system to be designed and constructed with a monitoring system capable of detecting the entry of the hazardous substance stored in the primary containment into the secondary containment.
Violation Notes: Returned to compliance on 11/07/2014. OBSERVED VISUAL EXTERNAL MONITORING ALARM NOT VISIBLE AND OBSTRUCTED BY PORTABLE STORAGE UNIT. COMPLIANCE REQUIREMENT: STORAGE UNIT WAS RELOCATED DURING INSPECTION, VISUAL ALARM LIGHT AT ENUNCIATOR WAS VISIBLE. VIOLATION CORRECTED.
Violation Division: San Bernardino County Fire Department
Violation Program: UST
Violation Source: CERS,

Site ID: 395683
Site Name: KAISER FOUNDATION HOSP
Violation Date: 06-11-2019
Citation: HSC 6.7 25290.1(c)(3),25290.2(c)(3) - California Health and Safety Code, Chapter 6.7, Section(s) 25290.1(c)(3),25290.2(c)(3)
Violation Description: Failure to keep water out of the secondary containment of UST systems installed on or after July 1, 2003.
Violation Notes: Returned to compliance on 11/15/2019. OBSERVED POOLED WATER INSIDE THE TRANSITION SUMP FROM EITHER RAIN/IRRIGATION WITH LIQUIDS SENSOR IN ALARM. POOLED LIQUIDS INSIDE THE TRANSITION SUMP WILL BE REMOVED BY UST CONTRACTOR. INVESTIGATE THE CAUSE OF THE LIQUID INTRUSION AND SUBMIT SCOPE OF WORK THAT WILL PREVENT FURTHER INTRUSION OF LIQUIDS INSIDE THE CONTAINMENTS TO THIS DEPARTMENT WITHIN 15 DAYS.
Violation Division: San Bernardino County Fire Department
Violation Program: UST
Violation Source: CERS,

KAISER FOUNDATION HOSP (Continued) **U001574868**

Site ID: 395683
Site Name: KAISER FOUNDATION HOSP
Violation Date: 11-05-2018
Citation: HSC 6.7 25284, 25286 - California Health and Safety Code, Chapter 6.7, Section(s) 25284, 25286
Violation Description: Failure to submit a complete and accurate application for a permit to operate a UST, or for renewal of the permit.
Violation Notes: Returned to compliance on 04/02/2020. OBSERVATION: Please make the following corrections on CERS: o 1) For Tank #1 the piping sump and access sump have VR-208 sensors. On CERS the sensors are recorded as VR-205 o 2) For Tank 4 and 5, the tank monitoring leak sensor model should recorded as TS-HIS. o 3) For Tank 4 and 5, the pipe monitoring leak sensor model should recorded as TS-UHS/TS-ULS CORRECTIVE ACTION: Please make the corrections on CERS for the tanks stated in the observation section as stated in the inspection narrative.
Violation Division: San Bernardino County Fire Department
Violation Program: UST
Violation Source: CERS,

Site ID: 395683
Site Name: KAISER FOUNDATION HOSP
Violation Date: 04-01-2021
Citation: 22 CCR 12 66262.34(f) - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.34(f)
Violation Description: Failure to properly label hazardous waste accumulation containers and portable tanks with the following requirements: "Hazardous Waste", name and address of the generator, physical and chemical characteristics of the Hazardous Waste, and starting accumulation date.
Violation Notes: Returned to compliance on 06/29/2021. OBSERVATION: Observed containers of pharmaceutical wastes in the outpatient pharmacy and waste solvent in the labs that did not have complete hazardous waste labels. CORRECTIVE ACTION: Submit photographs showing that all containers of hazardous waste have been properly labeled.
Violation Division: San Bernardino County Fire Department
Violation Program: HW
Violation Source: CERS,

Evaluation:
Eval General Type: Compliance Evaluation Inspection
Eval Date: 04-01-2021
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: San Bernardino County Fire Department
Eval Program: APSA
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 06-11-2019
Violations Found: Yes
Eval Type: Other, not routine, done by local agency
Eval Notes: UST RE-INSPECTION IN CONJUNCTION WITH PERMIT FINAL FOR SR0192369. OTHER UST FAILURES WERE OBSERVED DURING FINAL INSPECTION.
Eval Division: San Bernardino County Fire Department
Eval Program: UST
Eval Source: CERS,

KAISER FOUNDATION HOSP (Continued) **U001574868**

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	08-14-2013
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	KAISER INSPECTION
Eval Division:	San Bernardino County Fire Department
Eval Program:	HW
Eval Source:	CERS,

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	11-03-2017
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	ANNUAL UST INSPECTION WITH MONITORING CERTIFICATION
Eval Division:	San Bernardino County Fire Department
Eval Program:	UST
Eval Source:	CERS,

Eval General Type:	Other/Unknown
Eval Date:	11-04-2016
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	UST SB989 TEST COMPLETED IN CONJUNCTION OF THE UST MONITORING SYSTEM CERTIFICATION. SEE C01 REPORT FOR INSPECTION INFORMATION AND NARRATIVE.
Eval Division:	San Bernardino County Fire Department
Eval Program:	UST
Eval Source:	CERS,

Eval General Type:	Other/Unknown
Eval Date:	11-05-2020
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	OVERFILL EQUIPMENT TESTING - ATG OLD AND NEW CUP - PASS
Eval Division:	San Bernardino County Fire Department
Eval Program:	UST
Eval Source:	CERS,

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	11-07-2014
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	ANNUAL MONITORING CERTIFICATION
Eval Division:	San Bernardino County Fire Department
Eval Program:	UST
Eval Source:	CERS,

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	11-08-2013
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	UST MONT CERT. VPH TANKS. ADRIAN S. WITNESSED THE MONT CERT ON THE NORTH TANKS.
Eval Division:	San Bernardino County Fire Department
Eval Program:	UST
Eval Source:	CERS,

KAISER FOUNDATION HOSP (Continued) **U001574868**

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	08-14-2013
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	KAISER INSEPECTION
Eval Division:	San Bernardino County Fire Department
Eval Program:	APSA
Eval Source:	CERS,
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	09-11-2017
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Not reported
Eval Division:	San Bernardino County Fire Department
Eval Program:	HW
Eval Source:	CERS,
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	09-11-2017
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Not reported
Eval Division:	San Bernardino County Fire Department
Eval Program:	APSA
Eval Source:	CERS,
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	11-24-2021
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	UST ANNUAL INSPECTION WITH MONITORING SYSTEM CERTIFICATION.
Eval Division:	San Bernardino County Fire Department
Eval Program:	UST
Eval Source:	CERS,
Eval General Type:	Other/Unknown
Eval Date:	12-30-2019
Violations Found:	Yes
Eval Type:	Other, not routine, done by local agency
Eval Notes:	UST REPORT. VIOLATION ISSUED FOR NO LEAK DETECTORS ON OLD CUP USTS
Eval Division:	San Bernardino County Fire Department
Eval Program:	UST
Eval Source:	CERS,
Eval General Type:	Other/Unknown
Eval Date:	05-27-2020
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	UST VPH NEW CUP FINAL INSPECTION - Final inspection PASSED. All alarms cleared for New CUP. - Violations U051, U201 and U400 Corrected. Refer to Narrative for details. AS BUILT PLANS REQUIRED
Eval Division:	San Bernardino County Fire Department
Eval Program:	UST
Eval Source:	CERS,
Eval General Type:	Compliance Evaluation Inspection

KAISER FOUNDATION HOSP (Continued) **U001574868**

Eval Date:	11-04-2016
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	UST ANNUAL INSPECTION WITH MONITORING SYSTEM CERTIFICATION FOLLOWED BY SB989 TEST.
Eval Division:	San Bernardino County Fire Department
Eval Program:	UST
Eval Source:	CERS,
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	11-05-2020
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	ANNUAL UST INSPECTION | OVERFILL EQUIPMENT INSPECTION
Eval Division:	San Bernardino County Fire Department
Eval Program:	UST
Eval Source:	CERS,
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	11-15-2019
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	KAISER US ANNUAL MON CERT DAY 2
Eval Division:	San Bernardino County Fire Department
Eval Program:	UST
Eval Source:	CERS,
Eval General Type:	Other/Unknown
Eval Date:	12-15-2016
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	KIESER (RE-TEST)-UST REINSPECTION
Eval Division:	San Bernardino County Fire Department
Eval Program:	UST
Eval Source:	CERS,
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	04-01-2021
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Not reported
Eval Division:	San Bernardino County Fire Department
Eval Program:	HMRRP
Eval Source:	CERS,
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	04-01-2021
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Not reported
Eval Division:	San Bernardino County Fire Department
Eval Program:	HW
Eval Source:	CERS,
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	08-14-2013
Violations Found:	Yes

KAISER FOUNDATION HOSP (Continued) **U001574868**

Eval Type: Routine done by local agency
Eval Notes: KAISER INSPECTION
Eval Division: San Bernardino County Fire Department
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 09-11-2017
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: San Bernardino County Fire Department
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 11-04-2015
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: KAISER HOSPITAL- UST MONITORING CERTIFICATION (PRE-2004 & POST-2004 SYSTEMS)
Eval Division: San Bernardino County Fire Department
Eval Program: UST
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 11-05-2018
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: On-site to conduct an Annual Underground Storage Tank (UST) inspection. Inspection was conducted during the annual monitoring certification testing.
Eval Division: San Bernardino County Fire Department
Eval Program: UST
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 11-08-2013
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: BP INSPECTION DURING MONT CERT
Eval Division: San Bernardino County Fire Department
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 11-08-2013
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: UST ANNUAL INSPECTION WITH MONITORING SYSTEM CERTIFICATION CONDUCTED IN CONJUCTION WITH FIRAS TAHER.
Eval Division: San Bernardino County Fire Department
Eval Program: UST
Eval Source: CERS,

Enforcement Action:
Site ID: 395683

KAISER FOUNDATION HOSP (Continued) **U001574868**

Site Name:	KAISER FOUNDATION HOSP
Site Address:	9961 SIERRA AVE
Site City:	FONTANA
Site Zip:	92335
Enf Action Date:	08-14-2013
Enf Action Type:	Notice of Violation (Unified Program)
Enf Action Description:	Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes:	Not reported
Enf Action Division:	San Bernardino County Fire Department
Enf Action Program:	HMRRP
Enf Action Source:	CERS,

Site ID:	395683
Site Name:	KAISER FOUNDATION HOSP
Site Address:	9961 SIERRA AVE
Site City:	FONTANA
Site Zip:	92335
Enf Action Date:	11-04-2015
Enf Action Type:	Notice of Violation (Unified Program)
Enf Action Description:	Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes:	Not reported
Enf Action Division:	San Bernardino County Fire Department
Enf Action Program:	UST
Enf Action Source:	CERS,

Site ID:	395683
Site Name:	KAISER FOUNDATION HOSP
Site Address:	9961 SIERRA AVE
Site City:	FONTANA
Site Zip:	92335
Enf Action Date:	11-04-2016
Enf Action Type:	Notice of Violation (Unified Program)
Enf Action Description:	Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes:	Not reported
Enf Action Division:	San Bernardino County Fire Department
Enf Action Program:	UST
Enf Action Source:	CERS,

Site ID:	395683
Site Name:	KAISER FOUNDATION HOSP
Site Address:	9961 SIERRA AVE
Site City:	FONTANA
Site Zip:	92335
Enf Action Date:	11-07-2014
Enf Action Type:	Notice of Violation (Unified Program)
Enf Action Description:	Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes:	Not reported
Enf Action Division:	San Bernardino County Fire Department
Enf Action Program:	UST
Enf Action Source:	CERS,

Site ID:	395683
Site Name:	KAISER FOUNDATION HOSP
Site Address:	9961 SIERRA AVE
Site City:	FONTANA
Site Zip:	92335
Enf Action Date:	11-08-2013

KAISER FOUNDATION HOSP (Continued) **U001574868**

Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: San Bernardino County Fire Department
Enf Action Program: UST
Enf Action Source: CERS,

Coordinates:
Site ID: 395683
Facility Name: KAISER FOUNDATION HOSP
Env Int Type Code: APSA
Program ID: 10041049
Coord Name: Not reported
Ref Point Type Desc: Unknown,
Latitude: 34.073380
Longitude: -117.435621

Affiliation:
Affiliation Type Desc: Environmental Contact
Entity Name: Ricardo Sotolongo
Entity Title: Not reported
Affiliation Address: 9961 SIERRA AVE, ATTN: Chief Engineer
Affiliation City: FONTANA
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 92335
Affiliation Phone: ,

Affiliation Type Desc: Identification Signer
Entity Name: Ricardo Sotolongo
Entity Title: Director of Engineering
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

Affiliation Type Desc: Parent Corporation
Entity Name: Kaiser Permanente - Fontana Service Area
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

Affiliation Type Desc: UST Tank Owner
Entity Name: Kaiser Foundation Hospitals
Entity Title: Not reported
Affiliation Address: ONE KAISER PLAZA
Affiliation City: OAKLAND
Affiliation State: CA
Affiliation Country: United States
Affiliation Zip: 94612

KAISER FOUNDATION HOSP (Continued) **U001574868**

Affiliation Phone:	(510) 271-5800,
Affiliation Type Desc:	UST Permit Applicant
Entity Name:	Henry Plontz
Entity Title:	CHIEF ENGINEER
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	(909) 427-5648,
Affiliation Type Desc:	UST Property Owner Name
Entity Name:	KAISER FOUNDATION HOSPITALS
Entity Title:	Not reported
Affiliation Address:	ONE KAISER PLAZA
Affiliation City:	OAKLAND
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	94612
Affiliation Phone:	(510) 271-5800,
Affiliation Type Desc:	Document Preparer
Entity Name:	Diana J. Hogan, Yorke Engineering, LLC
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,
Affiliation Type Desc:	CUPA District
Entity Name:	San Bernardino County Fire
Entity Title:	Not reported
Affiliation Address:	620 South E Street
Affiliation City:	San Bernardino
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	92415-0153
Affiliation Phone:	(909) 386-8401,
Affiliation Type Desc:	Facility Mailing Address
Entity Name:	Mailing Address
Entity Title:	Not reported
Affiliation Address:	9961 SIERRA AVE, ATTN: ENGINEERING
Affiliation City:	FONTANA
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	92335
Affiliation Phone:	,
Affiliation Type Desc:	Legal Owner
Entity Name:	Kaiser Permanente
Entity Title:	Not reported
Affiliation Address:	9961 SIERRA AVE
Affiliation City:	FONTANA

KAISER FOUNDATION HOSP (Continued) **U001574868**

Affiliation State: CA
Affiliation Country: United States
Affiliation Zip: 92335
Affiliation Phone: (909) 427-7700,

Affiliation Type Desc: Operator
Entity Name: Ricardo Sotolongo
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: (909) 202-9352,

Affiliation Type Desc: UST Tank Operator
Entity Name: FONTANA MEDICAL CENTER - ATTN: CHIEF ENGINEER
Entity Title: Not reported
Affiliation Address: 9961 SIERRA AVE
Affiliation City: FONTANA
Affiliation State: CA
Affiliation Country: United States
Affiliation Zip: 92335
Affiliation Phone: (909) 427-5645,

HWTS:
Name: JCT MECHANIACAL
Address: 9961 SIERRA AVE
Address 2: Not reported
City,State,Zip: FONTANA, CA 92335
EPA ID: CAC002714265
Inactive Date: 03/13/2013
Create Date: 12/12/2012
Last Act Date: Not reported
Mailing Name: Not reported
Mailing Address: 230 E AVENUE K UNIT 1
Mailing Address 2: Not reported
Mailing City,State,Zip: LANCASTER, CA 935354522
Owner Name: JCT MECHANICAL
Owner Address: 230 E AVENUE K UNIT 1
Owner Address 2: Not reported
Owner City,State,Zip: LANCASTER, CA 935354522
Contact Name: JOE MCALLISTER
Contact Address: 230 E AVENUE K UNIT 1
Contact Address 2: Not reported
City,State,Zip: LANCASTER, CA 935354522
Facility Status: Inactive
Facility Type: TEMPORARY
Category: STATE
Latitude: 34.07234
Longitude: -117.4318

NAICS:
EPA ID: CAC002714265
Create Date: 2012-12-12 18:03:01.487
NAICS Code: 23331

KAISER FOUNDATION HOSP (Continued) **U001574868**

NAICS Description:	Manufacturing and Industrial Building Construction
Issued EPA ID Date:	2012-12-12 18:03:01.36700
Inactive Date:	2013-03-13 18:03:01.36000
Facility Name:	JCT MECHANIACAL
Facility Address:	9961 SIERRA AVE
Facility Address 2:	Not reported
Facility City:	FONTANA
Facility County:	Not reported
Facility State:	CA
Facility Zip:	92335

Q68 **NEW ELEMENTARY SCHOOL NO. 29** **ENVIROSTOR** **S108407562**
SW **PALMETTO / MERRILL AVENUE** **SCH** **N/A**
1/2-1 **FONTANA, CA 92335**
0.709 mi.
3744 ft. **Site 1 of 8 in cluster Q**

Relative:
Lower

Actual:
1065 ft.

ENVIROSTOR:

Name:	NEW ELEMENTARY SCHOOL NO. 29
Address:	PALMETTO / MERRILL AVENUE
City,State,Zip:	FONTANA, CA 92335
Facility ID:	36000017
Status:	Inactive - Withdrawn
Status Date:	08/07/2006
Site Code:	404615
Site Type:	School Investigation
Site Type Detailed:	School
Acres:	11
NPL:	NO
Regulatory Agencies:	SMBRP
Lead Agency:	SMBRP
Program Manager:	Rana Georges
Supervisor:	Thomas Cota
Division Branch:	Southern California Schools & Brownfields Outreach
Assembly:	47
Senate:	20
Special Program:	Voluntary Cleanup Program
Restricted Use:	NO
Site Mgmt Req:	NONE SPECIFIED
Funding:	School District
Latitude:	34.06029
Longitude:	-117.4512
APN:	NONE SPECIFIED
Past Use:	* UNKNOWN
Potential COC:	Lead
Confirmed COC:	30013-NO
Potential Description:	SOIL
Alias Name:	FONTANA UNIFIED SCHOOL DISTRICT
Alias Type:	Alternate Name
Alias Name:	FONTANA USD-PRPSD NEW ELEMENTARY SCL #29
Alias Type:	Alternate Name
Alias Name:	404615
Alias Type:	Project Code (Site Code)
Alias Name:	36000017
Alias Type:	Envirostor ID Number

Completed Info:

NEW ELEMENTARY SCHOOL NO. 29 (Continued) **S108407562**

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Preliminary Endangerment Assessment Workplan
Completed Date:	04/10/2006
Comments:	DTSC approved the PEA workplan.

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Inactive Status Letter
Completed Date:	07/20/2006
Comments:	Not reported

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Cost Recovery Closeout Memo
Completed Date:	08/07/2006
Comments:	Not reported

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Environmental Oversight Agreement
Completed Date:	03/30/2005
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

SCH:

Name:	NEW ELEMENTARY SCHOOL NO. 29
Address:	PALMETTO / MERRILL AVENUE
City,State,Zip:	FONTANA, CA 92335
Facility ID:	36000017
Site Type:	School Investigation
Site Type Detail:	School
Site Mgmt. Req.:	NONE SPECIFIED
Acres:	11
National Priorities List:	NO
Cleanup Oversight Agencies:	SMBRP
Lead Agency:	SMBRP
Lead Agency Description:	DTSC - Site Cleanup Program
Project Manager:	Rana Georges
Supervisor:	Thomas Cota
Division Branch:	Southern California Schools & Brownfields Outreach
Site Code:	404615
Assembly:	47
Senate:	20
Special Program Status:	Voluntary Cleanup Program
Status:	Inactive - Withdrawn
Status Date:	08/07/2006

NEW ELEMENTARY SCHOOL NO. 29 (Continued) **S108407562**

Restricted Use:	NO
Funding:	School District
Latitude:	34.06029
Longitude:	-117.4512
APN:	NONE SPECIFIED
Past Use:	* UNKNOWN
Potential COC:	Lead
Confirmed COC:	30013-NO
Potential Description:	SOIL
Alias Name:	FONTANA UNIFIED SCHOOL DISTRICT
Alias Type:	Alternate Name
Alias Name:	FONTANA USD-PRPSD NEW ELEMENTARY SCL #29
Alias Type:	Alternate Name
Alias Name:	404615
Alias Type:	Project Code (Site Code)
Alias Name:	36000017
Alias Type:	Envirostor ID Number

Completed Info:

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Preliminary Endangerment Assessment Workplan
Completed Date:	04/10/2006
Comments:	DTSC approved the PEA workplan.
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Inactive Status Letter
Completed Date:	07/20/2006
Comments:	Not reported
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Cost Recovery Closeout Memo
Completed Date:	08/07/2006
Comments:	Not reported
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Environmental Oversight Agreement
Completed Date:	03/30/2005
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

Q69 **ELEMENTARY SCHOOL NO. 28** **ENVIROSTOR** **S105954560**
SW **RANDALL AVENUE/BEECH AVENUE** **SCH** **N/A**
1/2-1 **FONTANA, CA 92335**
0.709 mi.
3744 ft. **Site 2 of 8 in cluster Q**

Relative:
Lower

Actual:
1065 ft.

ENVIROSTOR:

Name:	ELEMENTARY SCHOOL NO. 28
Address:	RANDALL AVENUE/BEECH AVENUE
City,State,Zip:	FONTANA, CA 92335
Facility ID:	36010045
Status:	No Further Action
Status Date:	07/07/2006
Site Code:	404453
Site Type:	School Investigation
Site Type Detailed:	School
Acres:	9.5
NPL:	NO
Regulatory Agencies:	SMBRP
Lead Agency:	SMBRP
Program Manager:	Rana Georges
Supervisor:	Shahir Haddad
Division Branch:	Southern California Schools & Brownfields Outreach
Assembly:	47
Senate:	20
Special Program:	Not reported
Restricted Use:	NO
Site Mgmt Req:	NONE SPECIFIED
Funding:	School District
Latitude:	34.06029
Longitude:	-117.4512
APN:	NONE SPECIFIED
Past Use:	AGRICULTURAL - ROW CROPS
Potential COC:	NONE SPECIFIED No Contaminants found
Confirmed COC:	No Contaminants found
Potential Description:	NMA
Alias Name:	ELEMENTARY SCHOOL NO. 28
Alias Type:	Alternate Name
Alias Name:	FONTANA UNIFIED SCHOOL DISTRICT
Alias Type:	Alternate Name
Alias Name:	FONTANA USD-PROPOSED ES NO. 28
Alias Type:	Alternate Name
Alias Name:	404453
Alias Type:	Project Code (Site Code)
Alias Name:	36010045
Alias Type:	Envirostor ID Number

Completed Info:

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Environmental Oversight Agreement
Completed Date:	05/27/2003
Comments:	Not reported
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Site Inspections/Visit (Non LUR)
Completed Date:	06/04/2003
Comments:	Not reported

ELEMENTARY SCHOOL NO. 28 (Continued) **S105954560**

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Report
Completed Date: 04/28/2004
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Workplan
Completed Date: 09/15/2003
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Supplemental Site Investigation Report
Completed Date: 06/29/2006
Comments: DTSC approved the SSI report for no further action based on the results for lead based paint investigation.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Cost Recovery Closeout Memo
Completed Date: 07/07/2006
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

SCH:

Name: ELEMENTARY SCHOOL NO. 28
Address: RANDALL AVENUE/BEECH AVENUE
City,State,Zip: FONTANA, CA 92335
Facility ID: 36010045
Site Type: School Investigation
Site Type Detail: School
Site Mgmt. Req.: NONE SPECIFIED
Acres: 9.5
National Priorities List: NO
Cleanup Oversight Agencies: SMBRP
Lead Agency: SMBRP
Lead Agency Description: DTSC - Site Cleanup Program
Project Manager: Rana Georges
Supervisor: Shahir Haddad
Division Branch: Southern California Schools & Brownfields Outreach
Site Code: 404453
Assembly: 47
Senate: 20
Special Program Status: Not reported
Status: No Further Action

ELEMENTARY SCHOOL NO. 28 (Continued) **S105954560**

Status Date:	07/07/2006
Restricted Use:	NO
Funding:	School District
Latitude:	34.06029
Longitude:	-117.4512
APN:	NONE SPECIFIED
Past Use:	AGRICULTURAL - ROW CROPS
Potential COC:	NONE SPECIFIED, No Contaminants found
Confirmed COC:	No Contaminants found
Potential Description:	NMA
Alias Name:	ELEMENTARY SCHOOL NO. 28
Alias Type:	Alternate Name
Alias Name:	FONTANA UNIFIED SCHOOL DISTRICT
Alias Type:	Alternate Name
Alias Name:	FONTANA USD-PROPOSED ES NO. 28
Alias Type:	Alternate Name
Alias Name:	404453
Alias Type:	Project Code (Site Code)
Alias Name:	36010045
Alias Type:	Envirostor ID Number

Completed Info:

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Environmental Oversight Agreement
Completed Date:	05/27/2003
Comments:	Not reported

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Site Inspections/Visit (Non LUR)
Completed Date:	06/04/2003
Comments:	Not reported

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Preliminary Endangerment Assessment Report
Completed Date:	04/28/2004
Comments:	Not reported

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Preliminary Endangerment Assessment Workplan
Completed Date:	09/15/2003
Comments:	Not reported

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Supplemental Site Investigation Report
Completed Date:	06/29/2006
Comments:	DTSC approved the SSI report for no further action based on the results for lead based paint investigation.

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Cost Recovery Closeout Memo
Completed Date:	07/07/2006
Comments:	Not reported

ELEMENTARY SCHOOL NO. 28 (Continued) **S105954560**

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

Q70 **NEW CITRUS CONTINUATION HIGH SCHOOL** **ENVIROSTOR** **S107736738**
SW **CYPRESS AVENUE/SANTA ANA AVENUE** **SCH** **N/A**
1/2-1 **FONTANA, CA 92337**
0.709 mi.
3744 ft. **Site 3 of 8 in cluster Q**

Relative:
Lower

Actual:
1065 ft.

ENVIROSTOR:

Name:	NEW CITRUS CONTINUATION HIGH SCHOOL
Address:	CYPRESS AVENUE/SANTA ANA AVENUE
City,State,Zip:	FONTANA, CA 92337
Facility ID:	36010040
Status:	No Further Action
Status Date:	03/23/2009
Site Code:	404406
Site Type:	School Cleanup
Site Type Detailed:	School
Acres:	18.5
NPL:	NO
Regulatory Agencies:	SMBRP
Lead Agency:	SMBRP
Program Manager:	Not reported
Supervisor:	Shahir Haddad
Division Branch:	Southern California Schools & Brownfields Outreach
Assembly:	47
Senate:	20
Special Program:	Not reported
Restricted Use:	NO
Site Mgmt Req:	NONE SPECIFIED
Funding:	School District
Latitude:	34.06029
Longitude:	-117.4512
APN:	0255-021-10, 0255-021-11, 0255-021-12, 0255-021-25, 025502110, 025502111, 025502112, 025502125
Past Use:	RESIDENTIAL AREA
Potential COC:	Chlordane Lead
Confirmed COC:	30004-NO 30013-NO
Potential Description:	SOIL
Alias Name:	FONTANA UNIFIED SCHOOL DISTRICT
Alias Type:	Alternate Name
Alias Name:	FONTANA USD-MIDDLE SCHOOL NO. 8
Alias Type:	Alternate Name
Alias Name:	JURUPA HILLS MIDDLE SCHOOL
Alias Type:	Alternate Name
Alias Name:	Middle School #8
Alias Type:	Alternate Name
Alias Name:	New Citrus Continuation High School
Alias Type:	Alternate Name
Alias Name:	Proposed Middle School No. 8

NEW CITRUS CONTINUATION HIGH SCHOOL (Continued) **S107736738**

Alias Type: Alternate Name
Alias Name: 0255-021-10
Alias Type: APN
Alias Name: 0255-021-11
Alias Type: APN
Alias Name: 0255-021-12
Alias Type: APN
Alias Name: 0255-021-25
Alias Type: APN
Alias Name: 025502110
Alias Type: APN
Alias Name: 025502111
Alias Type: APN
Alias Name: 025502112
Alias Type: APN
Alias Name: 025502125
Alias Type: APN
Alias Name: 404406
Alias Type: Project Code (Site Code)
Alias Name: 36010040
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Environmental Oversight Agreement
Completed Date: 12/23/2002
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Inspections/Visit (Non LUR)
Completed Date: 01/07/2003
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Cost Recovery Closeout Memo
Completed Date: 03/16/2009
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: CEQA - Notice of Exemption
Completed Date: 10/17/2008
Comments: NOE completed for the site.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Report
Completed Date: 05/26/2004
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 03/28/2005
Comments: Not reported

NEW CITRUS CONTINUATION HIGH SCHOOL (Continued) **S107736738**

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: * Workplan
Completed Date: 12/08/2003
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: 4.14 Request
Completed Date: 01/04/2005
Comments: Approved.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Supplemental Site Investigation Tech Memo
Completed Date: 09/18/2007
Comments: SSI Tech Memo Workplan was approvedby DTSC for implementation.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Supplemental Site Investigation Report
Completed Date: 10/07/2008
Comments: DTSC approved the SSI report for FA in the form of RAW.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Supplemental Site Investigation Tech Memo
Completed Date: 02/21/2008
Comments: The SSI Workplan Addendum No. 1 was conditionally approved by DTSC for implementation. DTSC requested that sample additional sampling locations adjacent to the structures be utilized.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fieldwork
Completed Date: 04/18/2008
Comments: Additional field sampling activities took place at the site in order to better determine the lateral and vertical extent of pesticide impacted soil associated with the former and existing structures. Soil sampling activities were conducted over the course of two days.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Workplan
Completed Date: 10/17/2008
Comments: DTSC approved the RAW for implementation after comleting the public comments period. 13 comments were received and did not affect the RAW conclusion.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Supplemental Site Investigation Tech Memo
Completed Date: 06/27/2008
Comments: DTSC reviewed the SSI Workplan Addendum No. 2 and concurred with the additional step-outs and step-downs necessary to delineate the soil impacted by organochlorine pesticides at the project site.

NEW CITRUS CONTINUATION HIGH SCHOOL (Continued) **S107736738**

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Fact Sheets
Completed Date:	09/07/2008
Comments:	Fact Sheets mailed to community.

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Removal Action Completion Report
Completed Date:	03/16/2009
Comments:	DTSC approved the Removal Action Completion Report with a No Further Action determination.

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	School Cleanup Agreement
Completed Date:	09/13/2007
Comments:	Signed Agreement sent (FedEx) to District.

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Site Inspections/Visit (Non LUR)
Completed Date:	01/09/2004
Comments:	Not reported

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Cost Recovery Closeout Memo
Completed Date:	01/16/2007
Comments:	CRU Memo sent out to internal accounting. District also notified.

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

SCH:

Name:	NEW CITRUS CONTINUATION HIGH SCHOOL
Address:	CYPRESS AVENUE/SANTA ANA AVENUE
City,State,Zip:	FONTANA, CA 92337
Facility ID:	36010040
Site Type:	School Cleanup
Site Type Detail:	School
Site Mgmt. Req.:	NONE SPECIFIED
Acres:	18.5
National Priorities List:	NO
Cleanup Oversight Agencies:	SMBRP
Lead Agency:	SMBRP
Lead Agency Description:	DTSC - Site Cleanup Program
Project Manager:	Not reported
Supervisor:	Shahir Haddad

NEW CITRUS CONTINUATION HIGH SCHOOL (Continued) **S107736738**

Division Branch:	Southern California Schools & Brownfields Outreach
Site Code:	404406
Assembly:	47
Senate:	20
Special Program Status:	Not reported
Status:	No Further Action
Status Date:	03/23/2009
Restricted Use:	NO
Funding:	School District
Latitude:	34.06029
Longitude:	-117.4512
APN:	0255-021-10, 0255-021-11, 0255-021-12, 0255-021-25, 025502110, 025502111, 025502112, 025502125
Past Use:	RESIDENTIAL AREA
Potential COC:	Chlordane, Lead
Confirmed COC:	30004-NO, 30013-NO
Potential Description:	SOIL
Alias Name:	FONTANA UNIFIED SCHOOL DISTRICT
Alias Type:	Alternate Name
Alias Name:	FONTANA USD-MIDDLE SCHOOL NO. 8
Alias Type:	Alternate Name
Alias Name:	JURUPA HILLS MIDDLE SCHOOL
Alias Type:	Alternate Name
Alias Name:	Middle School #8
Alias Type:	Alternate Name
Alias Name:	New Citrus Continuation High School
Alias Type:	Alternate Name
Alias Name:	Proposed Middle School No. 8
Alias Type:	Alternate Name
Alias Name:	0255-021-10
Alias Type:	APN
Alias Name:	0255-021-11
Alias Type:	APN
Alias Name:	0255-021-12
Alias Type:	APN
Alias Name:	0255-021-25
Alias Type:	APN
Alias Name:	025502110
Alias Type:	APN
Alias Name:	025502111
Alias Type:	APN
Alias Name:	025502112
Alias Type:	APN
Alias Name:	025502125
Alias Type:	APN
Alias Name:	404406
Alias Type:	Project Code (Site Code)
Alias Name:	36010040
Alias Type:	Envirostor ID Number

Completed Info:

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Environmental Oversight Agreement
Completed Date:	12/23/2002
Comments:	Not reported
Completed Area Name:	PROJECT WIDE

NEW CITRUS CONTINUATION HIGH SCHOOL (Continued) **S107736738**

Completed Sub Area Name: Not reported
Completed Document Type: Site Inspections/Visit (Non LUR)
Completed Date: 01/07/2003
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Cost Recovery Closeout Memo
Completed Date: 03/16/2009
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: CEQA - Notice of Exemption
Completed Date: 10/17/2008
Comments: NOE completed for the site.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Report
Completed Date: 05/26/2004
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 03/28/2005
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: * Workplan
Completed Date: 12/08/2003
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: 4.14 Request
Completed Date: 01/04/2005
Comments: Approved.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Supplemental Site Investigation Tech Memo
Completed Date: 09/18/2007
Comments: SSI Tech Memo Workplan was approvedby DTSC for implementation.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Supplemental Site Investigation Report
Completed Date: 10/07/2008
Comments: DTSC approved the SSI report for FA in the form of RAW.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Supplemental Site Investigation Tech Memo
Completed Date: 02/21/2008

NEW CITRUS CONTINUATION HIGH SCHOOL (Continued) **S107736738**

Comments:	The SSI Workplan Addendum No. 1 was conditionally approved by DTSC for implementation. DTSC requested that sample additional sampling locations adjacent to the structures be utilized.
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Fieldwork
Completed Date:	04/18/2008
Comments:	Additional field sampling activities took place at the site in order to better determine the lateral and vertical extent of pesticide impacted soil associated with the former and existing structures. Soil sampling activities were conducted over the course of two days.
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Removal Action Workplan
Completed Date:	10/17/2008
Comments:	DTSC approved the RAW for implementation after comleting the public comments period. 13 comments were received and did not affect the RAW conclusion.
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Supplemental Site Investigation Tech Memo
Completed Date:	06/27/2008
Comments:	DTSC reviewed the SSI Workplan Addendum No. 2 and concurred with the additional step-outs and step-downs necessary to delineate the soil impacted by organochlorine pesticides at the project site.
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Fact Sheets
Completed Date:	09/07/2008
Comments:	Fact Sheets mailed to community.
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Removal Action Completion Report
Completed Date:	03/16/2009
Comments:	DTSC approved the Removal Action Completion Report with a No Further Action determination.
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	School Cleanup Agreement
Completed Date:	09/13/2007
Comments:	Signed Agreement sent (FedEx) to District.
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Site Inspections/Visit (Non LUR)
Completed Date:	01/09/2004
Comments:	Not reported
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Cost Recovery Closeout Memo

NEW CITRUS CONTINUATION HIGH SCHOOL (Continued) **S107736738**

Completed Date:	01/16/2007
Comments:	CRU Memo sent out to internal accounting. District also notified.
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

Q71 **ELEMENTARY SCHOOL NO. 31** **ENVIROSTOR** **S106153063**
SW **7316, 7398 CYPRESS AVENUE** **SCH** **N/A**
1/2-1 **FONTANA, CA 92336**
0.709 mi.
3744 ft. **Site 4 of 8 in cluster Q**

Relative: **Lower**

Actual: **1065 ft.**

ENVIROSTOR:

Name:	ELEMENTARY SCHOOL NO. 31
Address:	7316, 7398 CYPRESS AVENUE
City,State,Zip:	FONTANA, CA 92336
Facility ID:	36010051
Status:	No Further Action
Status Date:	11/21/2003
Site Code:	404495
Site Type:	School Investigation
Site Type Detailed:	School
Acres:	10.6
NPL:	NO
Regulatory Agencies:	DTSC
Lead Agency:	DTSC
Program Manager:	Not reported
Supervisor:	Shahir Haddad
Division Branch:	Southern California Schools & Brownfields Outreach
Assembly:	47
Senate:	20
Special Program:	Not reported
Restricted Use:	NO
Site Mgmt Req:	NONE SPECIFIED
Funding:	School District
Latitude:	34.06029
Longitude:	-117.4512
APN:	NONE SPECIFIED
Past Use:	AGRICULTURAL - ROW CROPS
Potential COC:	Arsenic
Confirmed COC:	NONE SPECIFIED
Potential Description:	SOIL
Alias Name:	ELEMENTARY SCHOOL NO. 31
Alias Type:	Alternate Name
Alias Name:	FONTANA UNIFIED SCHOOL DISTRICT
Alias Type:	Alternate Name
Alias Name:	FONTANA USD-PROPOSED ELEMENTARY SCL # 31
Alias Type:	Alternate Name
Alias Name:	404495
Alias Type:	Project Code (Site Code)
Alias Name:	36010051

ELEMENTARY SCHOOL NO. 31 (Continued) **S106153063**

Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Report
Completed Date: 03/16/2004
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Report
Completed Date: 06/17/2004
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Workplan
Completed Date: 02/04/2004
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Inspections/Visit (Non LUR)
Completed Date: 12/02/2004
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Environmental Oversight Agreement
Completed Date: 11/21/2003
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Cost Recovery Closeout Memo
Completed Date: 06/18/2004
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

SCH:

Name: ELEMENTARY SCHOOL NO. 31
Address: 7316, 7398 CYPRESS AVENUE
City,State,Zip: FONTANA, CA 92336
Facility ID: 36010051
Site Type: School Investigation
Site Type Detail: School

ELEMENTARY SCHOOL NO. 31 (Continued) **S106153063**

Site Mgmt. Req.:	NONE SPECIFIED
Acres:	10.6
National Priorities List:	NO
Cleanup Oversight Agencies:	DTSC
Lead Agency:	DTSC
Lead Agency Description:	* DTSC
Project Manager:	Not reported
Supervisor:	Shahir Haddad
Division Branch:	Southern California Schools & Brownfields Outreach
Site Code:	404495
Assembly:	47
Senate:	20
Special Program Status:	Not reported
Status:	No Further Action
Status Date:	11/21/2003
Restricted Use:	NO
Funding:	School District
Latitude:	34.06029
Longitude:	-117.4512
APN:	NONE SPECIFIED
Past Use:	AGRICULTURAL - ROW CROPS
Potential COC:	Arsenic
Confirmed COC:	NONE SPECIFIED
Potential Description:	SOIL
Alias Name:	ELEMENTARY SCHOOL NO. 31
Alias Type:	Alternate Name
Alias Name:	FONTANA UNIFIED SCHOOL DISTRICT
Alias Type:	Alternate Name
Alias Name:	FONTANA USD-PROPOSED ELEMENTARY SCL # 31
Alias Type:	Alternate Name
Alias Name:	404495
Alias Type:	Project Code (Site Code)
Alias Name:	36010051
Alias Type:	Envirostor ID Number

Completed Info:

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Preliminary Endangerment Assessment Report
Completed Date:	03/16/2004
Comments:	Not reported
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Preliminary Endangerment Assessment Report
Completed Date:	06/17/2004
Comments:	Not reported
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Preliminary Endangerment Assessment Workplan
Completed Date:	02/04/2004
Comments:	Not reported
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Site Inspections/Visit (Non LUR)
Completed Date:	12/02/2004

ELEMENTARY SCHOOL NO. 31 (Continued) **S106153063**

Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Environmental Oversight Agreement
Completed Date: 11/21/2003
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Cost Recovery Closeout Memo
Completed Date: 06/18/2004
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

Q72 **HIGH SCHOOL NO. 5 (AKA GALLEANO)** **ENVIROSTOR** **S107736450**
SW **OLEANDER AVENUE/SANTA ANA AVENUE** **SCH** **N/A**
1/2-1 **FONTANA, CA 92337**
0.709 mi.
3744 ft. **Site 5 of 8 in cluster Q**

Relative: **Lower**
Actual: **1065 ft.**

ENVIROSTOR:
Name: HIGH SCHOOL NO. 5 (AKA GALLEANO)
Address: OLEANDER AVENUE/SANTA ANA AVENUE
City,State,Zip: FONTANA, CA 92337
Facility ID: 36010039
Status: Certified
Status Date: 08/15/2008
Site Code: 404405
Site Type: School Cleanup
Site Type Detailed: School
Acres: 44.9
NPL: NO
Regulatory Agencies: SMBRP
Lead Agency: SMBRP
Program Manager: Not reported
Supervisor: Javier Hinojosa
Division Branch: Southern California Schools & Brownfields Outreach
Assembly: 47
Senate: 20
Special Program: Not reported
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: School District
Latitude: 34.06029
Longitude: -117.4512
APN: 255-001-010, 255-002-035
Past Use: AGRICULTURAL - ROW CROPS
Potential COC: Arsenic

HIGH SCHOOL NO. 5 (AKA GALLEANO) (Continued) **S107736450**

Confirmed COC: Arsenic
Potential Description: SOIL
Alias Name: FONTANA UNIFIED SCHOOL DISTRICT
Alias Type: Alternate Name
Alias Name: FONTANA USD-PROPOSED HS NO. 5
Alias Type: Alternate Name
Alias Name: HIGH SCHOOL #5 (AKA GALLEANO VINEYARDS)
Alias Type: Alternate Name
Alias Name: 255-001-010
Alias Type: APN
Alias Name: 255-002-035
Alias Type: APN
Alias Name: 110033613944
Alias Type: EPA (FRS #)
Alias Name: 404405
Alias Type: Project Code (Site Code)
Alias Name: 36010039
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Inspections/Visit (Non LUR)
Completed Date: 01/07/2003
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Inspections/Visit (Non LUR)
Completed Date: 02/26/2003
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Environmental Oversight Agreement
Completed Date: 12/23/2002
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Inactive Status Letter
Completed Date: 01/11/2006
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Inspections/Visit (Non LUR)
Completed Date: 07/23/2003
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Cost Recovery Closeout Memo
Completed Date: 09/16/2008
Comments: All the work has been completed and certified.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported

HIGH SCHOOL NO. 5 (AKA GALLEANO) (Continued) **S107736450**

Completed Document Type: Inactive Status Letter
Completed Date: 08/04/2004
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Certification
Completed Date: 08/15/2008
Comments: The project is now complete.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Report
Completed Date: 11/07/2003
Comments: further action for the B-2 area , Partial site approval for B-1.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Workplan
Completed Date: 03/08/2005
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Supplemental Site Investigation Report
Completed Date: 02/03/2004
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 11/07/2003
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Report
Completed Date: 02/13/2003
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Supplemental Site Investigation Report
Completed Date: 03/13/2007
Comments: SSI completed for status update on land use; due to 2 year inactivity. No additional work required, other than mitigation of Arsenic impacts at B-2 parcel.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fact Sheets
Completed Date: 07/30/2007
Comments: Public comment period 8/1/07 to 8/31/07

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fact Sheets

HIGH SCHOOL NO. 5 (AKA GALLEANO) (Continued) **S107736450**

Completed Date:	07/30/2007
Comments:	Public comment period 8/1/07 to 8/31/07
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Fieldwork
Completed Date:	12/10/2007
Comments:	Not reported
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Removal Action Completion Report
Completed Date:	03/14/2008
Comments:	The RACR approval letter was issued to Fontana USD today.
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	School Cleanup Agreement
Completed Date:	11/21/2003
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

SCH:

Name:	HIGH SCHOOL NO. 5 (AKA GALLEANO)
Address:	OLEANDER AVENUE/SANTA ANA AVENUE
City,State,Zip:	FONTANA, CA 92337
Facility ID:	36010039
Site Type:	School Cleanup
Site Type Detail:	School
Site Mgmt. Req.:	NONE SPECIFIED
Acres:	44.9
National Priorities List:	NO
Cleanup Oversight Agencies:	SMBRP
Lead Agency:	SMBRP
Lead Agency Description:	DTSC - Site Cleanup Program
Project Manager:	Not reported
Supervisor:	Javier Hinojosa
Division Branch:	Southern California Schools & Brownfields Outreach
Site Code:	404405
Assembly:	47
Senate:	20
Special Program Status:	Not reported
Status:	Certified
Status Date:	08/15/2008
Restricted Use:	NO
Funding:	School District
Latitude:	34.06029

HIGH SCHOOL NO. 5 (AKA GALLEANO) (Continued) **S107736450**

Longitude:	-117.4512
APN:	255-001-010, 255-002-035
Past Use:	AGRICULTURAL - ROW CROPS
Potential COC:	Arsenic
Confirmed COC:	Arsenic
Potential Description:	SOIL
Alias Name:	FONTANA UNIFIED SCHOOL DISTRICT
Alias Type:	Alternate Name
Alias Name:	FONTANA USD-PROPOSED HS NO. 5
Alias Type:	Alternate Name
Alias Name:	HIGH SCHOOL #5 (AKA GALLEANO VINEYARDS)
Alias Type:	Alternate Name
Alias Name:	255-001-010
Alias Type:	APN
Alias Name:	255-002-035
Alias Type:	APN
Alias Name:	110033613944
Alias Type:	EPA (FRS #)
Alias Name:	404405
Alias Type:	Project Code (Site Code)
Alias Name:	36010039
Alias Type:	Envirostor ID Number

Completed Info:

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Site Inspections/Visit (Non LUR)
Completed Date:	01/07/2003
Comments:	Not reported
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Site Inspections/Visit (Non LUR)
Completed Date:	02/26/2003
Comments:	Not reported
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Environmental Oversight Agreement
Completed Date:	12/23/2002
Comments:	Not reported
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Inactive Status Letter
Completed Date:	01/11/2006
Comments:	Not reported
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Site Inspections/Visit (Non LUR)
Completed Date:	07/23/2003
Comments:	Not reported
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Cost Recovery Closeout Memo
Completed Date:	09/16/2008

HIGH SCHOOL NO. 5 (AKA GALLEANO) (Continued) **S107736450**

Comments: All the work has been completed and certified.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Inactive Status Letter
Completed Date: 08/04/2004
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Certification
Completed Date: 08/15/2008
Comments: The project is now complete.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Report
Completed Date: 11/07/2003
Comments: further action for the B-2 area , Partial site approval for B-1.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Workplan
Completed Date: 03/08/2005
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Supplemental Site Investigation Report
Completed Date: 02/03/2004
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 11/07/2003
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Report
Completed Date: 02/13/2003
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Supplemental Site Investigation Report
Completed Date: 03/13/2007
Comments: SSI completed for status update on land use; due to 2 year inactivity. No additional work required, other than mitigation of Arsenic impacts at B-2 parcel.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fact Sheets
Completed Date: 07/30/2007
Comments: Public comment period 8/1/07 to 8/31/07

HIGH SCHOOL NO. 5 (AKA GALLEANO) (Continued) **S107736450**

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Fact Sheets
Completed Date:	07/30/2007
Comments:	Public comment period 8/1/07 to 8/31/07
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Fieldwork
Completed Date:	12/10/2007
Comments:	Not reported
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Removal Action Completion Report
Completed Date:	03/14/2008
Comments:	The RACR approval letter was issued to Fontana USD today.
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	School Cleanup Agreement
Completed Date:	11/21/2003
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

Q73 **BIRCH CONTINUATION HIGH SCHOOL ADDITION** **ENVIROSTOR** **S105954561**
SW **LOCUST AVENUE/BARBEE STREET** **SCH** **N/A**
1/2-1 **FONTANA, CA 92336**
0.709 mi.
3744 ft. **Site 6 of 8 in cluster Q**

Relative: **Lower**

Actual: **1065 ft.**

ENVIROSTOR:

Name:	BIRCH CONTINUATION HIGH SCHOOL ADDITION
Address:	LOCUST AVENUE/BARBEE STREET
City,State,Zip:	FONTANA, CA 92336
Facility ID:	36010046
Status:	No Further Action
Status Date:	07/09/2003
Site Code:	404462
Site Type:	School Investigation
Site Type Detailed:	School
Acres:	3.8
NPL:	NO
Regulatory Agencies:	DTSC
Lead Agency:	DTSC
Program Manager:	Not reported
Supervisor:	Shahir Haddad
Division Branch:	Southern California Schools & Brownfields Outreach
Assembly:	47

BIRCH CONTINUATION HIGH SCHOOL ADDITION (Continued) **S105954561**

Senate: 20
Special Program: Not reported
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: School District
Latitude: 34.06029
Longitude: -117.4512
APN: NONE SPECIFIED
Past Use: AGRICULTURAL - ROW CROPS
Potential COC: Endosulfan Arsenic Mercury (elemental DDD Zinc Dieldrin DDT Heptachlor epoxide Lead DDE Chlordane
Confirmed COC: NONE SPECIFIED
Potential Description: SOIL, SV, SURFW
Alias Name: BIRCH CONTINUATION HIGH SCHOOL ADDITION
Alias Type: Alternate Name
Alias Name: FONTANA UNIFIED SCHOOL DISTRICT
Alias Type: Alternate Name
Alias Name: FONTANA USD-BIRCH CONTINUATION HS ADDT
Alias Type: Alternate Name
Alias Name: 404462
Alias Type: Project Code (Site Code)
Alias Name: 36010046
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Environmental Oversight Agreement
Completed Date: 07/09/2003
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Report
Completed Date: 07/01/2004
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 06/16/2003
Comments: Background report; no review/approval needed.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Cost Recovery Closeout Memo
Completed Date: 08/05/2004
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

BIRCH CONTINUATION HIGH SCHOOL ADDITION (Continued) **S105954561**

SCH:

Name:	BIRCH CONTINUATION HIGH SCHOOL ADDITION
Address:	LOCUST AVENUE/BARBEE STREET
City,State,Zip:	FONTANA, CA 92336
Facility ID:	36010046
Site Type:	School Investigation
Site Type Detail:	School
Site Mgmt. Req.:	NONE SPECIFIED
Acres:	3.8
National Priorities List:	NO
Cleanup Oversight Agencies:	DTSC
Lead Agency:	DTSC
Lead Agency Description:	* DTSC
Project Manager:	Not reported
Supervisor:	Shahir Haddad
Division Branch:	Southern California Schools & Brownfields Outreach
Site Code:	404462
Assembly:	47
Senate:	20
Special Program Status:	Not reported
Status:	No Further Action
Status Date:	07/09/2003
Restricted Use:	NO
Funding:	School District
Latitude:	34.06029
Longitude:	-117.4512
APN:	NONE SPECIFIED
Past Use:	AGRICULTURAL - ROW CROPS
Potential COC:	Endosulfan, Endosulfan, Arsenic, Mercury (elemental, DDD, Zinc, Dieldrin, DDT, Heptachlor epoxide, Lead, DDE, Chlordane
Confirmed COC:	NONE SPECIFIED
Potential Description:	SOIL, SV, SURFW
Alias Name:	BIRCH CONTINUATION HIGH SCHOOL ADDITION
Alias Type:	Alternate Name
Alias Name:	FONTANA UNIFIED SCHOOL DISTRICT
Alias Type:	Alternate Name
Alias Name:	FONTANA USD-BIRCH CONTINUATION HS ADDT
Alias Type:	Alternate Name
Alias Name:	404462
Alias Type:	Project Code (Site Code)
Alias Name:	36010046
Alias Type:	Envirostor ID Number

Completed Info:

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Environmental Oversight Agreement
Completed Date:	07/09/2003
Comments:	Not reported
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Preliminary Endangerment Assessment Report
Completed Date:	07/01/2004
Comments:	Not reported

BIRCH CONTINUATION HIGH SCHOOL ADDITION (Continued) **S105954561**

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Other Report
Completed Date:	06/16/2003
Comments:	Background report; no review/approval needed.
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Cost Recovery Closeout Memo
Completed Date:	08/05/2004
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

Q74 **ELEMENTARY NO. 30** **ENVIROSTOR** **S110275530**
SW **SAN BERNARDINO AVENUE/CATAWBA AVENUE** **SCH** **N/A**
1/2-1 **FONTANA, CA 92335** **CERS**
0.709 mi.
3744 ft. **Site 7 of 8 in cluster Q**

Relative: **Lower**

Actual: **1065 ft.**

ENVIROSTOR:

Name:	ELEMENTARY NO. 30
Address:	SAN BERNARDINO AVENUE/CATAWBA AVENUE
City,State,Zip:	FONTANA, CA 92335
Facility ID:	36010060
Status:	Inactive - Withdrawn
Status Date:	11/22/2004
Site Code:	404536
Site Type:	School Investigation
Site Type Detailed:	School
Acres:	9
NPL:	NO
Regulatory Agencies:	SMBRP
Lead Agency:	SMBRP
Program Manager:	Not reported
Supervisor:	* Tawfiq Deek
Division Branch:	Southern California Schools & Brownfields Outreach
Assembly:	47
Senate:	20
Special Program:	Not reported
Restricted Use:	NO
Site Mgmt Req:	NONE SPECIFIED
Funding:	School District
Latitude:	34.06029
Longitude:	-117.4512
APN:	NONE SPECIFIED
Past Use:	AGRICULTURAL - ROW CROPS
Potential COC:	NONE SPECIFIED No Contaminants found
Confirmed COC:	NONE SPECIFIED
Potential Description:	NMA

ELEMENTARY NO. 30 (Continued) **S110275530**

Alias Name: ELEMENTARY NO. 30
Alias Type: Alternate Name
Alias Name: FONTANA UNIFIED SCHOOL DISTRICT
Alias Type: Alternate Name
Alias Name: FONTANA USD-PROPOSED ELEMENTARY NO. 30
Alias Type: Alternate Name
Alias Name: 404536
Alias Type: Project Code (Site Code)
Alias Name: 36010060
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Workplan
Completed Date: 08/09/2004
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Environmental Oversight Agreement
Completed Date: 05/04/2004
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Cost Recovery Closeout Memo
Completed Date: 11/22/2004
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

SCH:

Name: ELEMENTARY NO. 30
Address: SAN BERNARDINO AVENUE/CATAWBA AVENUE
City,State,Zip: FONTANA, CA 92335
Facility ID: 36010060
Site Type: School Investigation
Site Type Detail: School
Site Mgmt. Req.: NONE SPECIFIED
Acres: 9
National Priorities List: NO
Cleanup Oversight Agencies: SMBRP
Lead Agency: SMBRP
Lead Agency Description: DTSC - Site Cleanup Program
Project Manager: Not reported
Supervisor: * Tawfiq Deek
Division Branch: Southern California Schools & Brownfields Outreach

ELEMENTARY NO. 30 (Continued) **S110275530**

Site Code:	404536
Assembly:	47
Senate:	20
Special Program Status:	Not reported
Status:	Inactive - Withdrawn
Status Date:	11/22/2004
Restricted Use:	NO
Funding:	School District
Latitude:	34.06029
Longitude:	-117.4512
APN:	NONE SPECIFIED
Past Use:	AGRICULTURAL - ROW CROPS
Potential COC:	NONE SPECIFIED, No Contaminants found
Confirmed COC:	NONE SPECIFIED
Potential Description:	NMA
Alias Name:	ELEMENTARY NO. 30
Alias Type:	Alternate Name
Alias Name:	FONTANA UNIFIED SCHOOL DISTRICT
Alias Type:	Alternate Name
Alias Name:	FONTANA USD-PROPOSED ELEMENTARY NO. 30
Alias Type:	Alternate Name
Alias Name:	404536
Alias Type:	Project Code (Site Code)
Alias Name:	36010060
Alias Type:	Envirostor ID Number

Completed Info:

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Preliminary Endangerment Assessment Workplan
Completed Date:	08/09/2004
Comments:	Not reported
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Environmental Oversight Agreement
Completed Date:	05/04/2004
Comments:	Not reported
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Cost Recovery Closeout Memo
Completed Date:	11/22/2004
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

CERS:

Name:	ELEMENTARY NO. 30

ELEMENTARY NO. 30 (Continued) **S110275530**

Address: SAN BERNARDINO AVENUE/CATAWBA AVENUE
City,State,Zip: FONTANA, CA 92335
Site ID: 337097
CERS ID: 36010060
CERS Description: School Investigation

Affiliation:
Affiliation Type Desc: Supervisor
Entity Name: * Tawfiq Deek
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

Q75 **LYTLE CREEK HIGH SCHOOL NO. 4** **ENVIROSTOR** **S105628825**
SW **LYTLE CREEK ROAD/SUMMIT AVENUE** **SCH** **N/A**
1/2-1 **FONTANA, CA 92336**
0.709 mi.
3744 ft. **Site 8 of 8 in cluster Q**

Relative:
Lower

Actual:
1065 ft.

ENVIROSTOR:
Name: LYTLE CREEK HIGH SCHOOL NO. 4
Address: LYTLE CREEK ROAD/SUMMIT AVENUE
City,State,Zip: FONTANA, CA 92336
Facility ID: 36010008
Status: No Further Action
Status Date: 06/27/2000
Site Code: 404048
Site Type: School Investigation
Site Type Detailed: School
Acres: 9.2
NPL: NO
Regulatory Agencies: DTSC
Lead Agency: DTSC
Program Manager: Not reported
Supervisor: Javier Hinojosa
Division Branch: Southern California Schools & Brownfields Outreach
Assembly: 47
Senate: 20
Special Program: Not reported
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: School District
Latitude: 34.06029
Longitude: -117.4512
APN: NONE SPECIFIED
Past Use: AGRICULTURAL - ROW CROPS
Potential COC: Arsenic
Confirmed COC: NONE SPECIFIED
Potential Description: NMA
Alias Name: FONTANA UNIFIED SCHOOL DISTRICT
Alias Type: Alternate Name
Alias Name: FONTANA USD-PROP. HIGH SCH-LYTLE CRK/VCA
Alias Type: Alternate Name

LYTLE CREEK HIGH SCHOOL NO. 4 (Continued) **S105628825**

Alias Name: HIGH SCHOOL NO. 4 (PROPOSED)
Alias Type: Alternate Name
Alias Name: LYTLE CREEK HIGH SCHOOL #4
Alias Type: Alternate Name
Alias Name: 404048
Alias Type: Project Code (Site Code)
Alias Name: 36010008
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Inspections/Visit (Non LUR)
Completed Date: 02/22/2000
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Report
Completed Date: 09/18/2000
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Workplan
Completed Date: 05/02/2000
Comments: Approval letter prepared per DL.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 01/31/2000
Comments: Phase 1

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Inspections/Visit (Non LUR)
Completed Date: 03/07/2000
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Environmental Oversight Agreement
Completed Date: 06/27/2000
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Cost Recovery Closeout Memo
Completed Date: 09/18/2000
Comments: CRU Memo

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

LYTLE CREEK HIGH SCHOOL NO. 4 (Continued) **S105628825**

Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

SCH:

Name: LYTLE CREEK HIGH SCHOOL NO. 4
Address: LYTLE CREEK ROAD/SUMMIT AVENUE
City,State,Zip: FONTANA, CA 92336
Facility ID: 36010008
Site Type: School Investigation
Site Type Detail: School
Site Mgmt. Req.: NONE SPECIFIED
Acres: 9.2
National Priorities List: NO
Cleanup Oversight Agencies: DTSC
Lead Agency: DTSC
Lead Agency Description: * DTSC
Project Manager: Not reported
Supervisor: Javier Hinojosa
Division Branch: Southern California Schools & Brownfields Outreach
Site Code: 404048
Assembly: 47
Senate: 20
Special Program Status: Not reported
Status: No Further Action
Status Date: 06/27/2000
Restricted Use: NO
Funding: School District
Latitude: 34.06029
Longitude: -117.4512
APN: NONE SPECIFIED
Past Use: AGRICULTURAL - ROW CROPS
Potential COC: Arsenic
Confirmed COC: NONE SPECIFIED
Potential Description: NMA
Alias Name: FONTANA UNIFIED SCHOOL DISTRICT
Alias Type: Alternate Name
Alias Name: FONTANA USD-PROP. HIGH SCH-LYTLE CRK/VCA
Alias Type: Alternate Name
Alias Name: HIGH SCHOOL NO. 4 (PROPOSED)
Alias Type: Alternate Name
Alias Name: LYTLE CREEK HIGH SCHOOL #4
Alias Type: Alternate Name
Alias Name: 404048
Alias Type: Project Code (Site Code)
Alias Name: 36010008
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Inspections/Visit (Non LUR)
Completed Date: 02/22/2000
Comments: Not reported

Completed Area Name: PROJECT WIDE

LYTLE CREEK HIGH SCHOOL NO. 4 (Continued) **S105628825**

Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Report
Completed Date: 09/18/2000
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Workplan
Completed Date: 05/02/2000
Comments: Approval letter prepared per DL.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 01/31/2000
Comments: Phase 1

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Inspections/Visit (Non LUR)
Completed Date: 03/07/2000
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Environmental Oversight Agreement
Completed Date: 06/27/2000
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Cost Recovery Closeout Memo
Completed Date: 09/18/2000
Comments: CRU Memo

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

R76 **PROPOSED ES AA NO. 30** **ENVIROSTOR** **S118757072**
NW **SW CORNER CITRUS AVENUE AND SAN BERNARDINO AVENUE** **SCH** **N/A**
1/2-1 **FONTANA, CA 92334**
0.813 mi.
4295 ft. **Site 1 of 2 in cluster R**

Relative: **Higher**

Actual: **1138 ft.**

ENVIROSTOR:
Name: PROPOSED ES AA NO. 30
Address: SW CORNER CITRUS AVENUE AND SAN BERNARDINO AVENUE
City,State,Zip: FONTANA, CA 92334
Facility ID: 60000141
Status: No Action Required
Status Date: 06/18/2007

PROPOSED ES AA NO. 30 (Continued) **S118757072**

Site Code: 404677
Site Type: School Investigation
Site Type Detailed: School
Acres: 11
NPL: NO
Regulatory Agencies: SMBRP
Lead Agency: SMBRP
Program Manager: S. Steven Hariri
Supervisor: Shahir Haddad
Division Branch: Southern California Schools & Brownfields Outreach
Assembly: 47
Senate: 20
Special Program: Not reported
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: School District
Latitude: 34.07735
Longitude: -117.4539
APN: NONE SPECIFIED
Past Use: NONE
Potential COC: Arsenic DDD DDE DDT
Confirmed COC: NONE SPECIFIED
Potential Description: SOIL
Alias Name: 404677
Alias Type: Project Code (Site Code)
Alias Name: 60000141
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Cost Recovery Closeout Memo
Completed Date: 06/14/2007
Comments: District decided not to proceed with project.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Inactive Status Letter
Completed Date: 01/16/2007
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Workplan
Completed Date: 08/14/2006
Comments: Conditional Approval of Tech Memo based on DTSC Interim Guidance for Lead-Based Paint, Organochlorine pesticides from Termiticides, and Polychlorinated Biphenyls from Electric Transformers.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Environmental Oversight Agreement
Completed Date: 02/27/2006
Comments: Not reported

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported

PROPOSED ES AA NO. 30 (Continued) **S118757072**

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

SCH:

Name:	PROPOSED ES AA NO. 30
Address:	SW CORNER CITRUS AVENUE AND SAN BERNARDINO AVENUE
City,State,Zip:	FONTANA, CA 92334
Facility ID:	60000141
Site Type:	School Investigation
Site Type Detail:	School
Site Mgmt. Req.:	NONE SPECIFIED
Acres:	11
National Priorities List:	NO
Cleanup Oversight Agencies:	SMBRP
Lead Agency:	SMBRP
Lead Agency Description:	DTSC - Site Cleanup Program
Project Manager:	S. Steven Hariri
Supervisor:	Shahir Haddad
Division Branch:	Southern California Schools & Brownfields Outreach
Site Code:	404677
Assembly:	47
Senate:	20
Special Program Status:	Not reported
Status:	No Action Required
Status Date:	06/18/2007
Restricted Use:	NO
Funding:	School District
Latitude:	34.07735
Longitude:	-117.4539
APN:	NONE SPECIFIED
Past Use:	NONE
Potential COC:	Arsenic, DDD, DDE, DDT
Confirmed COC:	NONE SPECIFIED
Potential Description:	SOIL
Alias Name:	404677
Alias Type:	Project Code (Site Code)
Alias Name:	60000141
Alias Type:	Envirostor ID Number

Completed Info:

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Cost Recovery Closeout Memo
Completed Date:	06/14/2007
Comments:	District decided not to proceed with project.

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Inactive Status Letter
Completed Date:	01/16/2007
Comments:	Not reported

PROPOSED ES AA NO. 30 (Continued) **S118757072**

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Preliminary Endangerment Assessment Workplan
Completed Date:	08/14/2006
Comments:	Conditional Approval of Tech Memo based on DTSC Interim Guidance for Lead-Based Paint, Organochlorine pesticides from Termiticides, and Polychlorinated Biphenyls from Electric Transformers.
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Environmental Oversight Agreement
Completed Date:	02/27/2006
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

R77 **ALTERNATIVE LEARNING CENTER** **ENVIROSTOR** **S103964656**
NW **9680 CITRUS AVENUE** **SCH** **N/A**
1/2-1 **FONTANA, CA 92335** **HIST CORTESE**
0.833 mi.
4399 ft. **Site 2 of 2 in cluster R**

Relative: **Higher**
Actual: **1141 ft.**

ENVIROSTOR:

Name:	ALTERNATIVE LEARNING CENTER
Address:	9680 CITRUS AVENUE
City,State,Zip:	FONTANA, CA 92335-5571
Facility ID:	36010012
Status:	No Further Action
Status Date:	12/15/2000
Site Code:	404140
Site Type:	School Investigation
Site Type Detailed:	School
Acres:	9.6
NPL:	NO
Regulatory Agencies:	SMBRP
Lead Agency:	SMBRP
Program Manager:	Not reported
Supervisor:	Javier Hinojosa
Division Branch:	Southern California Schools & Brownfields Outreach
Assembly:	47
Senate:	20
Special Program:	Not reported
Restricted Use:	NO
Site Mgmt Req:	NONE SPECIFIED
Funding:	School District
Latitude:	34.07798
Longitude:	-117.4543
APN:	NONE SPECIFIED
Past Use:	AGRICULTURAL - ROW CROPS
Potential COC:	DDD DDE DDT Benz[a]anthracene Benzo[b]fluoranthene * dibenzo (ah)

ALTERNATIVE LEARNING CENTER (Continued) **S103964656**

pyrene Pyrene Indeno[1,2,3-cd]pyrene Benzo[a]pyrene * phenanthrene Benzo[k]fluoranthene Chrysene Fluoranthene
Confirmed COC: NONE SPECIFIED
Potential Description: SOIL
Alias Name: ALTERNATIVE LEARNING CENTER
Alias Type: Alternate Name
Alias Name: ALTERNATIVE LEARNING CENTER (PROPOSED)
Alias Type: Alternate Name
Alias Name: FONTANA UNIFIED SCHOOL DISTRICT
Alias Type: Alternate Name
Alias Name: FONTANA USD/ALTERNATIVE LEARNING CENTER
Alias Type: Alternate Name
Alias Name: 404140
Alias Type: Project Code (Site Code)
Alias Name: 36010012
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Report
Completed Date: 02/27/2001
Comments: DTSC approved the PEA Report with a no further action determination.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Workplan
Completed Date: 09/14/2000
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Cost Recovery Closeout Memo
Completed Date: 03/14/2001
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Environmental Oversight Agreement
Completed Date: 11/17/2000
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

SCH:

Name: ALTERNATIVE LEARNING CENTER
Address: 9680 CITRUS AVENUE
City,State,Zip: FONTANA, CA 92335-5571

ALTERNATIVE LEARNING CENTER (Continued) **S103964656**

Facility ID:	36010012
Site Type:	School Investigation
Site Type Detail:	School
Site Mgmt. Req.:	NONE SPECIFIED
Acres:	9.6
National Priorities List:	NO
Cleanup Oversight Agencies:	SMBRP
Lead Agency:	SMBRP
Lead Agency Description:	DTSC - Site Cleanup Program
Project Manager:	Not reported
Supervisor:	Javier Hinojosa
Division Branch:	Southern California Schools & Brownfields Outreach
Site Code:	404140
Assembly:	47
Senate:	20
Special Program Status:	Not reported
Status:	No Further Action
Status Date:	12/15/2000
Restricted Use:	NO
Funding:	School District
Latitude:	34.07798
Longitude:	-117.4543
APN:	NONE SPECIFIED
Past Use:	AGRICULTURAL - ROW CROPS
Potential COC:	DDD, DDD, DDE, DDT, Benz[a]anthracene, Benzo[b]fluoranthene, * dibenzo (ah) pyrene, Pyrene, Indeno[1,2,3-cd]pyrene, Benzo[a]pyrene, * phenanthrene, Benzo[k]fluoranthene, Chrysene, Fluoranthene
Confirmed COC:	NONE SPECIFIED
Potential Description:	SOIL
Alias Name:	ALTERNATIVE LEARNING CENTER
Alias Type:	Alternate Name
Alias Name:	ALTERNATIVE LEARNING CENTER (PROPOSED)
Alias Type:	Alternate Name
Alias Name:	FONTANA UNIFIED SCHOOL DISTRICT
Alias Type:	Alternate Name
Alias Name:	FONTANA USD/ALTERNATIVE LEARNING CENTER
Alias Type:	Alternate Name
Alias Name:	404140
Alias Type:	Project Code (Site Code)
Alias Name:	36010012
Alias Type:	Envirostor ID Number

Completed Info:

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Preliminary Endangerment Assessment Report
Completed Date:	02/27/2001
Comments:	DTSC approved the PEA Report with a no further action determination.
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Preliminary Endangerment Assessment Workplan
Completed Date:	09/14/2000
Comments:	Not reported
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Cost Recovery Closeout Memo

ALTERNATIVE LEARNING CENTER (Continued) **S103964656**

Completed Date:	03/14/2001
Comments:	Not reported
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Environmental Oversight Agreement
Completed Date:	11/17/2000
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

HIST CORTESE:

edr_fname:	FONTANA UNIFIED SCHOOL DI
edr_fadd1:	9680 CITRUS
City,State,Zip:	FONTANA, CA
Region:	CORTESE
Facility County Code:	36
Reg By:	LTNKA
Reg Id:	083600603T

78
South
1/2-1
0.864 mi.
4563 ft.

CYPRESS CONTINUATION HIGH SCHOOL **ENVIROSTOR** **S106568121**
SANTA ANA/CYPRESS AVENUE **SCH** **N/A**
FONTANA, CA 92337

Relative:
Lower

Actual:
1052 ft.

ENVIROSTOR:

Name:	CYPRESS CONTINUATION HIGH SCHOOL
Address:	SANTA ANA/CYPRESS AVENUE
City,State,Zip:	FONTANA, CA 92337
Facility ID:	60000039
Status:	No Further Action
Status Date:	01/05/2005
Site Code:	404535
Site Type:	School Investigation
Site Type Detailed:	School
Acres:	7.5
NPL:	NO
Regulatory Agencies:	SMBRP
Lead Agency:	SMBRP
Program Manager:	Amit Pathak
Supervisor:	Shahir Haddad
Division Branch:	Southern California Schools & Brownfields Outreach
Assembly:	47
Senate:	20
Special Program:	Not reported
Restricted Use:	NO
Site Mgmt Req:	NONE SPECIFIED
Funding:	School District

CYPRESS CONTINUATION HIGH SCHOOL (Continued) **S106568121**

Latitude: 34.0549
Longitude: -117.443
APN: NONE SPECIFIED
Past Use: AGRICULTURAL - ROW CROPS
Potential COC: Arsenic Chlordane DDD DDE DDT Dioxin (as 2,3,7,8-TCDD TEQ Endrin Lead Not reported
Confirmed COC: Arsenic Lead
Potential Description: SOIL
Alias Name: FONTANA USD-PRPSD CYPRESS AVE CONTINU HS
Alias Type: Alternate Name
Alias Name: 404535
Alias Type: Project Code (Site Code)
Alias Name: 36010058
Alias Type: Envirostor ID Number
Alias Name: 60000039
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Cost Recovery Closeout Memo
Completed Date: 07/20/2005
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Inspections/Visit (Non LUR)
Completed Date: 06/08/2004
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Environmental Oversight Agreement
Completed Date: 05/04/2004
Comments: ORDER - DTSC entered into an Environmental Oversight Agreement (Docket Number HSA-A 03/04-136) with the Fontana Unified School District to provide oversight for a Preliminary Endangerment Assessment for the proposed Cypress Continuation High School site.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Inspections/Visit (Non LUR)
Completed Date: 08/17/2004
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Report
Completed Date: 01/05/2005
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 08/11/2004
Comments: Not reported

Future Area Name: Not reported

CYPRESS CONTINUATION HIGH SCHOOL (Continued) **S106568121**

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

SCH:

Name:	CYPRESS CONTINUATION HIGH SCHOOL
Address:	SANTA ANA/CYPRESS AVENUE
City,State,Zip:	FONTANA, CA 92337
Facility ID:	60000039
Site Type:	School Investigation
Site Type Detail:	School
Site Mgmt. Req.:	NONE SPECIFIED
Acres:	7.5
National Priorities List:	NO
Cleanup Oversight Agencies:	SMBRP
Lead Agency:	SMBRP
Lead Agency Description:	DTSC - Site Cleanup Program
Project Manager:	Amit Pathak
Supervisor:	Shahir Haddad
Division Branch:	Southern California Schools & Brownfields Outreach
Site Code:	404535
Assembly:	47
Senate:	20
Special Program Status:	Not reported
Status:	No Further Action
Status Date:	01/05/2005
Restricted Use:	NO
Funding:	School District
Latitude:	34.0549
Longitude:	-117.443
APN:	NONE SPECIFIED
Past Use:	AGRICULTURAL - ROW CROPS
Potential COC:	Arsenic, Chlordane, DDD, DDE, DDT, Dioxin (as 2,3,7,8-TCDD TEQ, Endrin, Lead
Confirmed COC:	Arsenic, Lead
Potential Description:	SOIL
Alias Name:	FONTANA USD-PRPSD CYPRESS AVE CONTINU HS
Alias Type:	Alternate Name
Alias Name:	404535
Alias Type:	Project Code (Site Code)
Alias Name:	36010058
Alias Type:	Envirostor ID Number
Alias Name:	60000039
Alias Type:	Envirostor ID Number

Completed Info:

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Cost Recovery Closeout Memo
Completed Date:	07/20/2005
Comments:	Not reported

CYPRESS CONTINUATION HIGH SCHOOL (Continued) **S106568121**

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Inspections/Visit (Non LUR)
Completed Date: 06/08/2004
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Environmental Oversight Agreement
Completed Date: 05/04/2004
Comments: ORDER - DTSC entered into an Environmental Oversight Agreement (Docket Number HSA-A 03/04-136) with the Fontana Unified School District to provide oversight for a Preliminary Endangerment Assessment for the proposed Cypress Continuation High School site.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Inspections/Visit (Non LUR)
Completed Date: 08/17/2004
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Report
Completed Date: 01/05/2005
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 08/11/2004
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

Count: 40 records. ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
BLOOMINGTON	S107539217		LINDEN AVE, SO OF SANTA ANA AV		CDL
BLOOMINGTON	S108407463		NEAR INTERSECTION OF HIGH ST A	92316	CDL
FONTANA	S107537508		ALMERA ST, NO OF ARROW ROUTE	92335	CDL
FONTANA	S107537509		ALMERIA AVE, NO OF FOOTHILL BL	92335	CDL
FONTANA	S107537777		BANANA ST, NO OF ARROW ROUTE	92335	CDL
FONTANA	S107539763		ON CATAWBA RD, 100 YD N OF JUR		CDL
FONTANA	S107538063		CITRUS AVE, NORTH OF SUMMIT	92335	CDL
FONTANA	S107538062		CITRUS AVE, NO OF SUMMIT AVE	92335	CDL
FONTANA	S107538061		CITRUS AVE, NO OF SUMIT AVE	92335	CDL
FONTANA	S107539770		ON CITRUS AVENUE (NORTH OF SUM	92335	CDL
FONTANA	S107538153		CORNER OF FAIRVIEW RD & TAMARI	92335	CDL
FONTANA	1003879079	CAPITOL INDUSTRIAL PROPERTY	S END OF INDUSTRY N OR RIVERSI	92335	SEMS-ARCHIVE
FONTANA	S107540705		SO HIGHLAND AVE, EAST OF CHERR		CDL
FONTANA	S107539011		INTERSECTION OF POPLAR AND SAN	92335	CDL
FONTANA	S107539928		ON LIVE OAK AVENUE, SOUTH OF J		CDL
FONTANA	S107539936		ON LYTLE CREEK ROAD, 2 MILES N	92335	CDL
FONTANA	S107540385		REDWOOD ST, 1/2 BLOCK OF NJURU	92337	CDL
FONTANA	S107540060		ON SANTA ANA AVE, 200 YD W OF		CDL
FONTANA	S107540586		SANTA ANA AVE, E OF HEMLOCK AV	92335	CDL
FONTANA	S125431916	SCE - FLANCO	SOUTHWESTERN CORNER OF ORANGE	92335	ENVIROSTOR, VCP
FONTANA	S107540847		TAMARIND & S. OF SLOVER		CDL
FONTANA	S107541214		WHITTRAM AVE, W OF CHERRY	92335	CDL
RIALTO	S126984116	KORE INFRASTRUCTURE PLANT #1	NW CORNER OF RIVERSIDE AVE & K	92316	SWF/LF
SAN BERNARDINO COUNT	S107538721		HIGHWAY 138 E OF HIGHWAY 2		CDL
SAN BERNARDINO COUNT	S107538848		HWY 18, 3 MILES NO OF WATERMAN		CDL
SAN BERNARDINO COUNT	S107538905		IN 9100 BLOCK OF DESOTO, APPRO		CDL
SAN BERNARDINO COUNT	S107539748		ON BUCKWHEAT ROAD, NORTH OF JU		CDL
SAN BERNARDINO COUNT	S107538165		CORNER OF HWY 247 & 18 AND 76		CDL
SAN BERNARDINO COUNT	S107538260		DALE EVANS RD, W OF CORWIN RD		CDL
SAN BERNARDINO COUNT	S107538579		GLEN HELEN PARKWAY, 1 MI E OF		CDL
SAN BERNARDINO COUNT	S107539873		ON HIGHWAY 395, 2 MILES NORTH		CDL
SAN BERNARDINO COUNT	S107539885		ON HWY 138, 1 1/2 MI W OF HWY		CDL
SAN BERNARDINO COUNT	S107539471		N I-215, SOUTH OF PALM EXIT		CDL
SAN BERNARDINO COUNT	S107532438		3 1/2 MI E OF BEAR VALLEY & HW		CDL
SAN BERNARDINO COUNT	1016139697	CIMA ROAD MINE WASTE SITE	1 MIL W OF INTE. 15 OFF CIMA R		SEMS
SAN BERNARDINO COUNT	S107540201		PALM MEADOWS DR (X-E OF TIPPIC		CDL
SAN BERNARDINO COUNT	S107540506		ROAD INO9, 3/2 MI E OF HWY 330		CDL
SAN BERNARDINO COUNT	S107540087		ON STATE HIGHWAY 173, ~2 MILES		CDL
SAN BERNARDINO COUNT	S107533643		4 MI W OF KOALA RD ON CRIPPON		CDL
SAN BERNARDINO COUNT	S107526653		10 MI W OF YATES WELL RD OFF R		CDL

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

Lists of Federal NPL (Superfund) sites

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: 04/27/2022
Date Data Arrived at EDR: 05/05/2022
Date Made Active in Reports: 05/31/2022
Number of Days to Update: 26

Source: EPA
Telephone: N/A
Last EDR Contact: 06/01/2022
Next Scheduled EDR Contact: 07/11/2022
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: 04/27/2022
Date Data Arrived at EDR: 05/05/2022
Date Made Active in Reports: 05/31/2022
Number of Days to Update: 26

Source: EPA
Telephone: N/A
Last EDR Contact: 06/01/2022
Next Scheduled EDR Contact: 07/11/2022
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
Date Data Arrived at EDR: 02/02/1994
Date Made Active in Reports: 03/30/1994
Number of Days to Update: 56

Source: EPA
Telephone: 202-564-4267
Last EDR Contact: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
Data Release Frequency: No Update Planned

Lists of Federal Delisted NPL sites

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: 04/27/2022
Date Data Arrived at EDR: 05/05/2022
Date Made Active in Reports: 05/31/2022
Number of Days to Update: 26

Source: EPA
Telephone: N/A
Last EDR Contact: 06/01/2022
Next Scheduled EDR Contact: 07/11/2022
Data Release Frequency: Quarterly

Lists of Federal sites subject to CERCLA removals and CERCLA orders

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: 05/25/2021
Date Data Arrived at EDR: 06/24/2021
Date Made Active in Reports: 09/20/2021
Number of Days to Update: 88

Source: Environmental Protection Agency
Telephone: 703-603-8704
Last EDR Contact: 04/01/2022
Next Scheduled EDR Contact: 07/11/2022
Data Release Frequency: Varies

SEMS: Superfund Enterprise Management System

SEMS (Superfund Enterprise Management System) tracks hazardous waste sites, potentially hazardous waste sites, and remedial activities performed in support of EPA's Superfund Program across the United States. The list was formerly know as CERCLIS, renamed to SEMS by the EPA in 2015. The list 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). This dataset also contains sites which are either proposed to or on the National Priorities List (NPL) and the sites which are in the screening and assessment phase for possible inclusion on the NPL.

Date of Government Version: 04/27/2022
Date Data Arrived at EDR: 05/05/2022
Date Made Active in Reports: 05/31/2022
Number of Days to Update: 26

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 06/01/2022
Next Scheduled EDR Contact: 07/25/2022
Data Release Frequency: Quarterly

Lists of Federal CERCLA sites with NFRAP

SEMS-ARCHIVE: Superfund Enterprise Management System Archive

SEMS-ARCHIVE (Superfund Enterprise Management System Archive) tracks sites that have no further interest under the Federal Superfund Program based on available information. The list was formerly known as the CERCLIS-NFRAP, renamed to SEMS ARCHIVE by the EPA in 2015. EPA may perform a minimal level of assessment work at a site while it is archived if site conditions change and/or new information becomes available. Archived sites have been removed and archived from the inventory of SEMS 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 the 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. The 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 potential NPL site.

Date of Government Version: 04/27/2022
Date Data Arrived at EDR: 05/05/2022
Date Made Active in Reports: 05/31/2022
Number of Days to Update: 26

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 06/01/2022
Next Scheduled EDR Contact: 07/25/2022
Data Release Frequency: Quarterly

Lists of Federal RCRA facilities undergoing Corrective Action

CORRACTS: Corrective Action Report

CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

Date of Government Version: 02/28/2022
Date Data Arrived at EDR: 03/02/2022
Date Made Active in Reports: 03/17/2022
Number of Days to Update: 15

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 04/06/2022
Next Scheduled EDR Contact: 07/04/2022
Data Release Frequency: Quarterly

Lists of Federal RCRA TSD facilities

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: 02/28/2022
Date Data Arrived at EDR: 03/02/2022
Date Made Active in Reports: 03/17/2022
Number of Days to Update: 15

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 04/06/2022
Next Scheduled EDR Contact: 07/04/2022
Data Release Frequency: Quarterly

Lists of Federal RCRA generators

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: 02/28/2022
Date Data Arrived at EDR: 03/02/2022
Date Made Active in Reports: 03/17/2022
Number of Days to Update: 15

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 04/06/2022
Next Scheduled EDR Contact: 07/04/2022
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: 02/28/2022
Date Data Arrived at EDR: 03/02/2022
Date Made Active in Reports: 03/17/2022
Number of Days to Update: 15

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 04/06/2022
Next Scheduled EDR Contact: 07/04/2022
Data Release Frequency: Quarterly

RCRA-VSQG: RCRA - Very Small Quantity Generators (Formerly 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). Very small quantity generators (VSQGs) generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month.

Date of Government Version: 02/28/2022
Date Data Arrived at EDR: 03/02/2022
Date Made Active in Reports: 03/17/2022
Number of Days to Update: 15

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 04/06/2022
Next Scheduled EDR Contact: 07/04/2022
Data Release Frequency: Quarterly

Federal institutional controls / engineering controls registries

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: 02/08/2022
Date Data Arrived at EDR: 02/11/2022
Date Made Active in Reports: 05/10/2022
Number of Days to Update: 88

Source: Department of the Navy
Telephone: 843-820-7326
Last EDR Contact: 05/05/2022
Next Scheduled EDR Contact: 08/22/2022
Data Release Frequency: Varies

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: 02/21/2022
Date Data Arrived at EDR: 02/23/2022
Date Made Active in Reports: 05/24/2022
Number of Days to Update: 90

Source: Environmental Protection Agency
Telephone: 703-603-0695
Last EDR Contact: 05/24/2022
Next Scheduled EDR Contact: 09/05/2022
Data Release Frequency: Varies

US INST CONTROLS: Institutional Controls Sites List

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: 02/21/2022
Date Data Arrived at EDR: 02/23/2022
Date Made Active in Reports: 05/24/2022
Number of Days to Update: 90

Source: Environmental Protection Agency
Telephone: 703-603-0695
Last EDR Contact: 05/04/2022
Next Scheduled EDR Contact: 09/05/2022
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: 12/31/2021
Date Data Arrived at EDR: 03/01/2022
Date Made Active in Reports: 03/10/2022
Number of Days to Update: 9

Source: National Response Center, United States Coast Guard
Telephone: 202-267-2180
Last EDR Contact: 03/22/2022
Next Scheduled EDR Contact: 07/04/2022
Data Release Frequency: Quarterly

Lists of state- and tribal (Superfund) equivalent sites

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: 01/24/2022
Date Data Arrived at EDR: 01/25/2022
Date Made Active in Reports: 04/13/2022
Number of Days to Update: 78

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 04/26/2022
Next Scheduled EDR Contact: 08/08/2022
Data Release Frequency: Quarterly

Lists of state- and tribal hazardous waste facilities

ENVIROSTOR: EnviroStor Database

The Department of Toxic Substances Control's (DTSC's) Site Mitigation and Brownfields Reuse Program's (SMBRP's) EnviroStor database identifes 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: 01/24/2022
Date Data Arrived at EDR: 01/25/2022
Date Made Active in Reports: 04/13/2022
Number of Days to Update: 78

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 04/26/2022
Next Scheduled EDR Contact: 08/08/2022
Data Release Frequency: Quarterly

Lists of state and tribal landfills and solid waste disposal facilities

SWF/LF (SWIS): Solid Waste Information System

Active, Closed and Inactive Landfills. SWF/LF records typically contain an inve ntory of solid waste disposal facilities or landfills. These may be active or i nactive facilities or open dumps that failed to meet RCRA Section 4004 criteria for solid waste landfills or disposal sites.

Date of Government Version: 02/07/2022
Date Data Arrived at EDR: 02/08/2022
Date Made Active in Reports: 05/05/2022
Number of Days to Update: 86

Source: Department of Resources Recycling and Recovery
Telephone: 916-341-6320
Last EDR Contact: 05/09/2022
Next Scheduled EDR Contact: 08/22/2022
Data Release Frequency: Quarterly

Lists of state and tribal leaking storage tanks

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
Date Data Arrived at EDR: 09/10/2003
Date Made Active in Reports: 10/07/2003
Number of Days to Update: 27

Source: California Regional Water Quality Control Board Lahontan Region (6)
Telephone: 530-542-5572
Last EDR Contact: 09/12/2011
Next Scheduled EDR Contact: 12/26/2011
Data Release Frequency: No Update Planned

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 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: 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 5: Leaking Underground Storage Tank Database
Leaking Underground Storage Tank locations. Alameda, Alpine, Amador, Butte, Colusa, Contra Costa, Calveras, 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
Date Data Arrived at EDR: 07/22/2008
Date Made Active in Reports: 07/31/2008
Number of Days to Update: 9

Source: California Regional Water Quality Control Board Central Valley Region (5)
Telephone: 916-464-4834
Last EDR Contact: 07/01/2011
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
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 Los Angeles Region (4)
Telephone: 213-576-6710
Last EDR Contact: 09/06/2011
Next Scheduled EDR Contact: 12/19/2011
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 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: No Update Planned

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.

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 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: Leaking Underground Fuel Tank Report (GEOTRACKER)
Leaking Underground Storage Tank (LUST) Sites included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

Date of Government Version: 05/23/2022
Date Data Arrived at EDR: 05/23/2022
Date Made Active in Reports: 05/24/2022
Number of Days to Update: 1

Source: State Water Resources Control Board
Telephone: see region list
Last EDR Contact: 05/23/2022
Next Scheduled EDR Contact: 09/19/2022
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: 10/12/2021
Date Data Arrived at EDR: 11/15/2021
Date Made Active in Reports: 02/08/2022
Number of Days to Update: 85

Source: EPA Region 7
Telephone: 913-551-7003
Last EDR Contact: 04/21/2022
Next Scheduled EDR Contact: 08/01/2022
Data Release Frequency: Varies

INDIAN LUST R6: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in New Mexico and Oklahoma.

Date of Government Version: 10/12/2021
Date Data Arrived at EDR: 11/15/2021
Date Made Active in Reports: 02/08/2022
Number of Days to Update: 85

Source: EPA Region 6
Telephone: 214-665-6597
Last EDR Contact: 04/21/2022
Next Scheduled EDR Contact: 08/01/2022
Data Release Frequency: Varies

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: 04/28/2021
Date Data Arrived at EDR: 06/11/2021
Date Made Active in Reports: 09/07/2021
Number of Days to Update: 88

Source: EPA Region 1
Telephone: 617-918-1313
Last EDR Contact: 04/21/2022
Next Scheduled EDR Contact: 08/01/2022
Data Release Frequency: Varies

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: 10/12/2021
Date Data Arrived at EDR: 11/15/2021
Date Made Active in Reports: 02/08/2022
Number of Days to Update: 85

Source: EPA Region 8
Telephone: 303-312-6271
Last EDR Contact: 04/21/2022
Next Scheduled EDR Contact: 08/01/2022
Data Release Frequency: Varies

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: 10/12/2021
Date Data Arrived at EDR: 11/15/2021
Date Made Active in Reports: 02/08/2022
Number of Days to Update: 85

Source: Environmental Protection Agency
Telephone: 415-972-3372
Last EDR Contact: 04/21/2022
Next Scheduled EDR Contact: 08/01/2022
Data Release Frequency: Varies

INDIAN LUST R10: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Alaska, Idaho, Oregon and Washington.

Date of Government Version: 10/12/2021
Date Data Arrived at EDR: 11/15/2021
Date Made Active in Reports: 02/08/2022
Number of Days to Update: 85

Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 04/21/2022
Next Scheduled EDR Contact: 08/01/2022
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: 05/28/2021
Date Data Arrived at EDR: 06/22/2021
Date Made Active in Reports: 09/20/2021
Number of Days to Update: 90

Source: EPA Region 4
Telephone: 404-562-8677
Last EDR Contact: 04/21/2022
Next Scheduled EDR Contact: 08/01/2022
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: 10/12/2021
Date Data Arrived at EDR: 11/15/2021
Date Made Active in Reports: 02/08/2022
Number of Days to Update: 85

Source: EPA, Region 5
Telephone: 312-886-7439
Last EDR Contact: 04/21/2022
Next Scheduled EDR Contact: 08/01/2022
Data Release Frequency: Varies

CPS-SLIC: Statewide SLIC Cases (GEOTRACKER)

Cleanup Program Sites (CPS; also known as Site Cleanups [SC] and formerly known as Spills, Leaks, Investigations, and Cleanups [SLIC] sites) included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

Date of Government Version: 05/23/2022
Date Data Arrived at EDR: 05/23/2022
Date Made Active in Reports: 05/24/2022
Number of Days to Update: 1

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 05/23/2022
Next Scheduled EDR Contact: 09/19/2022
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: No Update Planned

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: No Update Planned

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.

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: No Update Planned

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: No Update Planned

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: No Update Planned

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: No Update Planned

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.

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: No Update Planned

Lists of state and tribal registered storage tanks

FEMA UST: Underground Storage Tank Listing
A listing of all FEMA owned underground storage tanks.

Date of Government Version: 10/14/2021
Date Data Arrived at EDR: 11/05/2021
Date Made Active in Reports: 02/01/2022
Number of Days to Update: 88
Source: FEMA
Telephone: 202-646-5797
Last EDR Contact: 04/04/2022
Next Scheduled EDR Contact: 07/18/2022
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

UST: Active UST Facilities
Active UST facilities gathered from the local regulatory agencies

Date of Government Version: 03/07/2022
Date Data Arrived at EDR: 03/08/2022
Date Made Active in Reports: 06/02/2022
Number of Days to Update: 86
Source: SWRCB
Telephone: 916-341-5851
Last EDR Contact: 03/08/2022
Next Scheduled EDR Contact: 06/20/2022
Data Release Frequency: Semi-Annually

UST CLOSURE: Proposed Closure of Underground Storage Tank (UST) Cases
UST cases that are being considered for closure by either the State Water Resources Control Board or the Executive Director have been posted for a 60-day public comment period. UST Case Closures being proposed for consideration by the State Water Resources Control Board. These are primarily UST cases that meet closure criteria under the decisional framework in State Water Board Resolution No. 92-49 and other Board orders. UST Case Closures proposed for consideration by the Executive Director pursuant to State Water Board Resolution No. 2012-0061. These are cases that meet the criteria of the Low-Threat UST Case Closure Policy. UST Case Closure Review Denials and Approved Orders.

Date of Government Version: 03/07/2022
Date Data Arrived at EDR: 03/08/2022
Date Made Active in Reports: 06/03/2022
Number of Days to Update: 87
Source: State Water Resources Control Board
Telephone: 916-327-7844
Last EDR Contact: 03/08/2022
Next Scheduled EDR Contact: 06/20/2022
Data Release Frequency: Varies

MILITARY UST SITES: Military UST Sites (GEOTRACKER)
Military ust sites

Date of Government Version: 05/23/2022
Date Data Arrived at EDR: 05/23/2022
Date Made Active in Reports: 06/02/2022
Number of Days to Update: 10
Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 05/23/2022
Next Scheduled EDR Contact: 09/19/2022
Data Release Frequency: Varies

AST: Aboveground Petroleum Storage Tank Facilities
A listing of aboveground storage tank petroleum storage tank locations.

Date of Government Version: 07/06/2016
Date Data Arrived at EDR: 07/12/2016
Date Made Active in Reports: 09/19/2016
Number of Days to Update: 69
Source: California Environmental Protection Agency
Telephone: 916-327-5092
Last EDR Contact: 03/10/2022
Next Scheduled EDR Contact: 06/27/2022
Data Release Frequency: Varies

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: 10/14/2021
Date Data Arrived at EDR: 11/15/2021
Date Made Active in Reports: 02/08/2022
Number of Days to Update: 85
Source: EPA, Region 1
Telephone: 617-918-1313
Last EDR Contact: 04/21/2022
Next Scheduled EDR Contact: 08/01/2022
Data Release Frequency: Varies

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: 04/06/2021
Date Data Arrived at EDR: 06/11/2021
Date Made Active in Reports: 09/07/2021
Number of Days to Update: 88
Source: EPA Region 5
Telephone: 312-886-6136
Last EDR Contact: 04/21/2022
Next Scheduled EDR Contact: 08/01/2022
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: 10/12/2021
Date Data Arrived at EDR: 11/15/2021
Date Made Active in Reports: 02/08/2022
Number of Days to Update: 85

Source: EPA Region 6
Telephone: 214-665-7591
Last EDR Contact: 04/21/2022
Next Scheduled EDR Contact: 08/01/2022
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: 05/28/2021
Date Data Arrived at EDR: 06/22/2021
Date Made Active in Reports: 09/20/2021
Number of Days to Update: 90

Source: EPA Region 4
Telephone: 404-562-9424
Last EDR Contact: 04/21/2022
Next Scheduled EDR Contact: 08/01/2022
Data Release Frequency: Varies

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: 10/12/2021
Date Data Arrived at EDR: 11/15/2021
Date Made Active in Reports: 02/08/2022
Number of Days to Update: 85

Source: EPA Region 7
Telephone: 913-551-7003
Last EDR Contact: 04/21/2022
Next Scheduled EDR Contact: 08/01/2022
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: 10/12/2021
Date Data Arrived at EDR: 11/15/2021
Date Made Active in Reports: 02/08/2022
Number of Days to Update: 85

Source: EPA Region 8
Telephone: 303-312-6137
Last EDR Contact: 04/21/2022
Next Scheduled EDR Contact: 08/01/2022
Data Release Frequency: Varies

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: 10/12/2021
Date Data Arrived at EDR: 11/15/2021
Date Made Active in Reports: 02/08/2022
Number of Days to Update: 85

Source: EPA Region 9
Telephone: 415-972-3368
Last EDR Contact: 04/21/2022
Next Scheduled EDR Contact: 08/01/2022
Data Release Frequency: Varies

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: 10/12/2021
Date Data Arrived at EDR: 11/15/2021
Date Made Active in Reports: 02/08/2022
Number of Days to Update: 85

Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 04/21/2022
Next Scheduled EDR Contact: 08/01/2022
Data Release Frequency: Varies

Lists of state and tribal voluntary cleanup sites

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: 07/27/2015
Date Data Arrived at EDR: 09/29/2015
Date Made Active in Reports: 02/18/2016
Number of Days to Update: 142
Source: EPA, Region 1
Telephone: 617-918-1102
Last EDR Contact: 03/16/2022
Next Scheduled EDR Contact: 07/04/2022
Data Release Frequency: Varies

INDIAN VCP R7: Voluntary Cleanup Priority Lisitng
A listing of voluntary cleanup priority sites located on Indian Land located in Region 7.

Date of Government Version: 03/20/2008
Date Data Arrived at EDR: 04/22/2008
Date Made Active in Reports: 05/19/2008
Number of Days to Update: 27
Source: EPA, Region 7
Telephone: 913-551-7365
Last EDR Contact: 07/08/2021
Next Scheduled EDR Contact: 07/20/2009
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: 01/24/2022
Date Data Arrived at EDR: 01/25/2022
Date Made Active in Reports: 04/13/2022
Number of Days to Update: 78
Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 04/26/2022
Next Scheduled EDR Contact: 08/08/2022
Data Release Frequency: Quarterly

Lists of state and tribal brownfield sites

BROWNFIELDS: Considered Brownfieds Sites Listing
A listing of sites the SWRCB considers to be Brownfields since these are sites have come to them through the MOA Process.

Date of Government Version: 12/15/2021
Date Data Arrived at EDR: 12/16/2021
Date Made Active in Reports: 03/03/2022
Number of Days to Update: 77
Source: State Water Resources Control Board
Telephone: 916-323-7905
Last EDR Contact: 03/21/2022
Next Scheduled EDR Contact: 07/04/2022
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: 02/23/2022
Date Data Arrived at EDR: 03/10/2022
Date Made Active in Reports: 03/10/2022
Number of Days to Update: 0
Source: Environmental Protection Agency
Telephone: 202-566-2777
Last EDR Contact: 03/15/2022
Next Scheduled EDR Contact: 06/27/2022
Data Release Frequency: Semi-Annually

Local Lists of Landfill / Solid Waste Disposal Sites

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
Date Data Arrived at EDR: 04/10/2000
Date Made Active in Reports: 05/10/2000
Number of Days to Update: 30

Source: State Water Resources Control Board
Telephone: 916-227-4448
Last EDR Contact: 04/21/2022
Next Scheduled EDR Contact: 08/08/2022
Data Release Frequency: No Update Planned

SWRCY: Recycler Database

A listing of recycling facilities in California.

Date of Government Version: 03/07/2022
Date Data Arrived at EDR: 03/08/2022
Date Made Active in Reports: 06/02/2022
Number of Days to Update: 86

Source: Department of Conservation
Telephone: 916-323-3836
Last EDR Contact: 03/08/2022
Next Scheduled EDR Contact: 06/20/2022
Data Release Frequency: Quarterly

HAULERS: Registered Waste Tire Haulers Listing

A listing of registered waste tire haulers.

Date of Government Version: 02/15/2022
Date Data Arrived at EDR: 02/24/2022
Date Made Active in Reports: 05/25/2022
Number of Days to Update: 90

Source: Integrated Waste Management Board
Telephone: 916-341-6422
Last EDR Contact: 05/19/2022
Next Scheduled EDR Contact: 08/22/2022
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
Date Data Arrived at EDR: 12/03/2007
Date Made Active in Reports: 01/24/2008
Number of Days to Update: 52

Source: Environmental Protection Agency
Telephone: 703-308-8245
Last EDR Contact: 04/21/2022
Next Scheduled EDR Contact: 08/08/2022
Data Release Frequency: Varies

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
Date Data Arrived at EDR: 08/09/2004
Date Made Active in Reports: 09/17/2004
Number of Days to Update: 39

Source: Environmental Protection Agency
Telephone: 800-424-9346
Last EDR Contact: 06/09/2004
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
Date Data Arrived at EDR: 05/07/2009
Date Made Active in Reports: 09/21/2009
Number of Days to Update: 137

Source: EPA, Region 9
Telephone: 415-947-4219
Last EDR Contact: 04/14/2022
Next Scheduled EDR Contact: 08/01/2022
Data Release Frequency: No Update Planned

IHS OPEN DUMPS: Open Dumps on Indian Land
A listing of all open dumps located on Indian Land in the United States.

Date of Government Version: 04/01/2014
Date Data Arrived at EDR: 08/06/2014
Date Made Active in Reports: 01/29/2015
Number of Days to Update: 176
Source: Department of Health & Human Serivces, Indian Health Service
Telephone: 301-443-1452
Last EDR Contact: 04/28/2022
Next Scheduled EDR Contact: 08/08/2022
Data Release Frequency: Varies

Local Lists of Hazardous waste / Contaminated Sites

US HIST CDL: National Clandestine Laboratory Register
A listing of clandestine drug lab locations that have been removed from the DEAs National Clandestine Laboratory Register.

Date of Government Version: 02/22/2022
Date Data Arrived at EDR: 02/23/2022
Date Made Active in Reports: 05/10/2022
Number of Days to Update: 76
Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 05/24/2022
Next Scheduled EDR Contact: 09/05/2022
Data Release Frequency: No Update Planned

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
Date Data Arrived at EDR: 08/03/2006
Date Made Active in Reports: 08/24/2006
Number of Days to Update: 21
Source: Department of Toxic Substance Control
Telephone: 916-323-3400
Last EDR Contact: 02/23/2009
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: 01/24/2022
Date Data Arrived at EDR: 01/25/2022
Date Made Active in Reports: 04/13/2022
Number of Days to Update: 78
Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 04/26/2022
Next Scheduled EDR Contact: 08/08/2022
Data Release Frequency: Quarterly

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: 12/31/2019
Date Data Arrived at EDR: 01/20/2021
Date Made Active in Reports: 04/08/2021
Number of Days to Update: 78
Source: Department of Toxic Substances Control
Telephone: 916-255-6504
Last EDR Contact: 05/12/2022
Next Scheduled EDR Contact: 07/18/2022
Data Release Frequency: Varies

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
Date Data Arrived at EDR: 08/30/1995
Date Made Active in Reports: 09/26/1995
Number of Days to Update: 27
Source: State Water Resources Control Board
Telephone: 916-227-4364
Last EDR Contact: 01/26/2009
Next Scheduled EDR Contact: 04/27/2009
Data Release Frequency: No Update Planned

CERS HAZ WASTE: CERS HAZ WASTE

List of sites in the California Environmental Protection Agency (CalEPA) Regulated Site Portal which fall under the Hazardous Chemical Management, Hazardous Waste Onsite Treatment, Household Hazardous Waste Collection, Hazardous Waste Generator, and RCRA LQ HW Generator programs.

Date of Government Version: 01/18/2022
Date Data Arrived at EDR: 01/19/2022
Date Made Active in Reports: 04/11/2022
Number of Days to Update: 82

Source: CalEPA
Telephone: 916-323-2514
Last EDR Contact: 04/19/2022
Next Scheduled EDR Contact: 08/01/2022
Data Release Frequency: Quarterly

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: 02/22/2022
Date Data Arrived at EDR: 02/23/2022
Date Made Active in Reports: 05/10/2022
Number of Days to Update: 76

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 05/24/2022
Next Scheduled EDR Contact: 09/05/2022
Data Release Frequency: Quarterly

AQUEOUS FOAM: Former Fire Training Facility Assessments Listing

Airports shown on this list are those believed to use Aqueous Film Forming Foam (AFFF), and certified by the Federal Aviation Administration (FAA) under Title 14, Code of Federal Regulations (CFR), Part 139 (14 CFR Part 139). This list was created by SWRCB using information available from the FAA. Location points shown are from the latitude and longitude listed on the FAA airport master record.

Date of Government Version: 02/20/2020
Date Data Arrived at EDR: 12/10/2021
Date Made Active in Reports: 02/25/2022
Number of Days to Update: 77

Source: State Water Resources Control Board
Telephone: 916-341-5455
Last EDR Contact: 03/11/2022
Next Scheduled EDR Contact: 06/20/2022
Data Release Frequency: Varies

PFAS: PFAS Contamination Site Location Listing

A listing of PFAS contaminated sites included in the GeoTracker database.

Date of Government Version: 03/07/2022
Date Data Arrived at EDR: 03/08/2022
Date Made Active in Reports: 06/02/2022
Number of Days to Update: 86

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 03/08/2022
Next Scheduled EDR Contact: 06/20/2022
Data Release Frequency: Varies

Local Lists of Registered Storage Tanks

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
Date Data Arrived at EDR: 07/07/2005
Date Made Active in Reports: 08/11/2005
Number of Days to Update: 35

Source: State Water Resources Control Board
Telephone: N/A
Last EDR Contact: 06/03/2005
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

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
Date Data Arrived at EDR: 01/25/1991
Date Made Active in Reports: 02/12/1991
Number of Days to Update: 18

Source: State Water Resources Control Board
Telephone: 916-341-5851
Last EDR Contact: 07/26/2001
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

SAN FRANCISCO AST: Aboveground Storage Tank Site Listing

Aboveground storage tank sites

Date of Government Version: 02/03/2022
Date Data Arrived at EDR: 02/04/2022
Date Made Active in Reports: 05/02/2022
Number of Days to Update: 87

Source: San Francisco County Department of Public Health
Telephone: 415-252-3896
Last EDR Contact: 04/28/2022
Next Scheduled EDR Contact: 08/15/2022
Data Release Frequency: Varies

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
Date Data Arrived at EDR: 09/05/1995
Date Made Active in Reports: 09/29/1995
Number of Days to Update: 24

Source: California Environmental Protection Agency
Telephone: 916-341-5851
Last EDR Contact: 12/28/1998
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

CERS TANKS: California Environmental Reporting System (CERS) Tanks

List of sites in the California Environmental Protection Agency (CalEPA) Regulated Site Portal which fall under the Aboveground Petroleum Storage and Underground Storage Tank regulatory programs.

Date of Government Version: 01/18/2022
Date Data Arrived at EDR: 01/19/2022
Date Made Active in Reports: 04/11/2022
Number of Days to Update: 82

Source: California Environmental Protection Agency
Telephone: 916-323-2514
Last EDR Contact: 04/19/2022
Next Scheduled EDR Contact: 08/01/2022
Data Release Frequency: Quarterly

Local Land Records

LIENS: Environmental Liens Listing

A listing of property locations with environmental liens for California where DTSC is a lien holder.

Date of Government Version: 02/24/2022
Date Data Arrived at EDR: 02/25/2022
Date Made Active in Reports: 03/09/2022
Number of Days to Update: 12

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 05/25/2022
Next Scheduled EDR Contact: 09/12/2022
Data Release Frequency: Varies

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.

Date of Government Version: 04/27/2022
Date Data Arrived at EDR: 05/05/2022
Date Made Active in Reports: 05/31/2022
Number of Days to Update: 26

Source: Environmental Protection Agency
Telephone: 202-564-6023
Last EDR Contact: 06/01/2022
Next Scheduled EDR Contact: 07/11/2022
Data Release Frequency: Semi-Annually

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: 02/28/2022
Date Data Arrived at EDR: 02/28/2022
Date Made Active in Reports: 05/25/2022
Number of Days to Update: 86

Source: DTSC and SWRCB
Telephone: 916-323-3400
Last EDR Contact: 05/31/2022
Next Scheduled EDR Contact: 09/12/2022
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: 12/15/2021
Date Data Arrived at EDR: 12/16/2021
Date Made Active in Reports: 03/10/2022
Number of Days to Update: 84

Source: U.S. Department of Transportation
Telephone: 202-366-4555
Last EDR Contact: 03/21/2022
Next Scheduled EDR Contact: 07/04/2022
Data Release Frequency: Quarterly

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: 12/31/2021
Date Data Arrived at EDR: 01/19/2022
Date Made Active in Reports: 04/08/2022
Number of Days to Update: 79

Source: Office of Emergency Services
Telephone: 916-845-8400
Last EDR Contact: 04/19/2022
Next Scheduled EDR Contact: 08/01/2022
Data Release Frequency: Semi-Annually

LDS: Land Disposal Sites Listing (GEOTRACKER)

Land Disposal sites (Landfills) included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

Date of Government Version: 05/23/2022
Date Data Arrived at EDR: 05/23/2022
Date Made Active in Reports: 05/24/2022
Number of Days to Update: 1

Source: State Water Qualilty Control Board
Telephone: 866-480-1028
Last EDR Contact: 05/23/2022
Next Scheduled EDR Contact: 09/19/2022
Data Release Frequency: Quarterly

MCS: Military Cleanup Sites Listing (GEOTRACKER)

Military sites (consisting of: Military UST sites; Military Privatized sites; and Military Cleanup sites [formerly known as DoD non UST]) included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

Date of Government Version: 05/23/2022
Date Data Arrived at EDR: 05/23/2022
Date Made Active in Reports: 05/24/2022
Number of Days to Update: 1

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 05/23/2022
Next Scheduled EDR Contact: 09/19/2022
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
Date Data Arrived at EDR: 01/03/2013
Date Made Active in Reports: 02/22/2013
Number of Days to Update: 50

Source: FirstSearch
Telephone: N/A
Last EDR Contact: 01/03/2013
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

Other Ascertainable Records

RCRA NonGen / NLR: RCRA - Non Generators / No Longer Regulated

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: 02/28/2022
Date Data Arrived at EDR: 03/02/2022
Date Made Active in Reports: 03/17/2022
Number of Days to Update: 15

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 04/06/2022
Next Scheduled EDR Contact: 07/04/2022
Data Release Frequency: Quarterly

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.

Date of Government Version: 12/01/2021
Date Data Arrived at EDR: 02/15/2022
Date Made Active in Reports: 05/10/2022
Number of Days to Update: 84

Source: U.S. Army Corps of Engineers
Telephone: 202-528-4285
Last EDR Contact: 05/17/2022
Next Scheduled EDR Contact: 08/29/2022
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: 06/07/2021
Date Data Arrived at EDR: 07/13/2021
Date Made Active in Reports: 03/09/2022
Number of Days to Update: 239

Source: USGS
Telephone: 888-275-8747
Last EDR Contact: 04/12/2022
Next Scheduled EDR Contact: 07/25/2022
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.

Date of Government Version: 04/02/2018
Date Data Arrived at EDR: 04/11/2018
Date Made Active in Reports: 11/06/2019
Number of Days to Update: 574

Source: U.S. Geological Survey
Telephone: 888-275-8747
Last EDR Contact: 04/05/2022
Next Scheduled EDR Contact: 07/18/2022
Data Release Frequency: N/A

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: 01/01/2017
Date Data Arrived at EDR: 02/03/2017
Date Made Active in Reports: 04/07/2017
Number of Days to Update: 63

Source: Environmental Protection Agency
Telephone: 615-532-8599
Last EDR Contact: 05/06/2022
Next Scheduled EDR Contact: 08/22/2022
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: 12/13/2021
Date Data Arrived at EDR: 12/17/2021
Date Made Active in Reports: 03/17/2022
Number of Days to Update: 90

Source: Environmental Protection Agency
Telephone: 202-566-1917
Last EDR Contact: 03/21/2022
Next Scheduled EDR Contact: 07/04/2022
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.

Date of Government Version: 08/30/2013
Date Data Arrived at EDR: 03/21/2014
Date Made Active in Reports: 06/17/2014
Number of Days to Update: 88

Source: Environmental Protection Agency
Telephone: 617-520-3000
Last EDR Contact: 04/28/2022
Next Scheduled EDR Contact: 08/15/2022
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: 09/30/2017
Date Data Arrived at EDR: 05/08/2018
Date Made Active in Reports: 07/20/2018
Number of Days to Update: 73

Source: Environmental Protection Agency
Telephone: 703-308-4044
Last EDR Contact: 05/06/2022
Next Scheduled EDR Contact: 08/15/2022
Data Release Frequency: Varies

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.

Date of Government Version: 12/31/2016
Date Data Arrived at EDR: 06/17/2020
Date Made Active in Reports: 09/10/2020
Number of Days to Update: 85

Source: EPA
Telephone: 202-260-5521
Last EDR Contact: 03/18/2022
Next Scheduled EDR Contact: 06/27/2022
Data Release Frequency: Every 4 Years

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: 12/31/2018
Date Data Arrived at EDR: 08/14/2020
Date Made Active in Reports: 11/04/2020
Number of Days to Update: 82

Source: EPA
Telephone: 202-566-0250
Last EDR Contact: 05/20/2022
Next Scheduled EDR Contact: 08/29/2022
Data Release Frequency: Annually

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.

Date of Government Version: 01/19/2022
Date Data Arrived at EDR: 01/19/2022
Date Made Active in Reports: 04/11/2022
Number of Days to Update: 82

Source: EPA
Telephone: 202-564-4203
Last EDR Contact: 04/20/2022
Next Scheduled EDR Contact: 08/01/2022
Data Release Frequency: Annually

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: 04/27/2022
Date Data Arrived at EDR: 05/05/2022
Date Made Active in Reports: 05/31/2022
Number of Days to Update: 26

Source: EPA
Telephone: 703-416-0223
Last EDR Contact: 06/01/2022
Next Scheduled EDR Contact: 09/12/2022
Data Release Frequency: Annually

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: 04/27/2022
Date Data Arrived at EDR: 05/04/2022
Date Made Active in Reports: 05/10/2022
Number of Days to Update: 6

Source: Environmental Protection Agency
Telephone: 202-564-8600
Last EDR Contact: 04/18/2022
Next Scheduled EDR Contact: 08/01/2022
Data Release Frequency: Varies

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
Date Data Arrived at EDR: 07/03/1995
Date Made Active in Reports: 08/07/1995
Number of Days to Update: 35

Source: EPA
Telephone: 202-564-4104
Last EDR Contact: 06/02/2008
Next Scheduled EDR Contact: 09/01/2008
Data Release Frequency: No Update Planned

PRP: Potentially Responsible Parties
A listing of verified Potentially Responsible Parties

Date of Government Version: 01/25/2022
Date Data Arrived at EDR: 02/03/2022
Date Made Active in Reports: 02/25/2022
Number of Days to Update: 22

Source: EPA
Telephone: 202-564-6023
Last EDR Contact: 06/01/2022
Next Scheduled EDR Contact: 08/15/2022
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: 01/20/2022
Date Data Arrived at EDR: 01/20/2022
Date Made Active in Reports: 03/25/2022
Number of Days to Update: 64

Source: EPA
Telephone: 202-566-0500
Last EDR Contact: 04/08/2022
Next Scheduled EDR Contact: 07/18/2022
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: 11/18/2016
Date Data Arrived at EDR: 11/23/2016
Date Made Active in Reports: 02/10/2017
Number of Days to Update: 79

Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 03/31/2022
Next Scheduled EDR Contact: 07/18/2022
Data Release Frequency: Quarterly

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: 08/18/2017
Next Scheduled EDR Contact: 12/04/2017
Data Release Frequency: No Update Planned

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: 08/18/2017
Next Scheduled EDR Contact: 12/04/2017
Data Release Frequency: No Update Planned

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: 07/29/2021
Date Data Arrived at EDR: 08/24/2021
Date Made Active in Reports: 11/19/2021
Number of Days to Update: 87

Source: Nuclear Regulatory Commission
Telephone: 301-415-7169
Last EDR Contact: 04/18/2022
Next Scheduled EDR Contact: 08/01/2022
Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

COAL ASH DOE: Steam-Electric Plant Operation Data
A listing of power plants that store ash in surface ponds.

Date of Government Version: 12/31/2020
Date Data Arrived at EDR: 11/30/2021
Date Made Active in Reports: 02/22/2022
Number of Days to Update: 84
Source: Department of Energy
Telephone: 202-586-8719
Last EDR Contact: 06/02/2022
Next Scheduled EDR Contact: 09/12/2022
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: 01/12/2017
Date Data Arrived at EDR: 03/05/2019
Date Made Active in Reports: 11/11/2019
Number of Days to Update: 251
Source: Environmental Protection Agency
Telephone: N/A
Last EDR Contact: 05/25/2022
Next Scheduled EDR Contact: 09/12/2022
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: 09/13/2019
Date Data Arrived at EDR: 11/06/2019
Date Made Active in Reports: 02/10/2020
Number of Days to Update: 96
Source: Environmental Protection Agency
Telephone: 202-566-0517
Last EDR Contact: 05/06/2022
Next Scheduled EDR Contact: 08/15/2022
Data Release Frequency: Varies

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: 07/01/2019
Date Data Arrived at EDR: 07/01/2019
Date Made Active in Reports: 09/23/2019
Number of Days to Update: 84
Source: Environmental Protection Agency
Telephone: 202-343-9775
Last EDR Contact: 03/28/2022
Next Scheduled EDR Contact: 07/11/2022
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

DOT OPS: Incident and Accident Data

Department of Transporation, Office of Pipeline Safety Incident and Accident data.

Date of Government Version: 01/02/2020
Date Data Arrived at EDR: 01/28/2020
Date Made Active in Reports: 04/17/2020
Number of Days to Update: 80

Source: Department of Transporation, Office of Pipeline Safety
Telephone: 202-366-4595
Last EDR Contact: 04/26/2022
Next Scheduled EDR Contact: 08/08/2022
Data Release Frequency: Quarterly

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: 12/31/2021
Date Data Arrived at EDR: 01/14/2022
Date Made Active in Reports: 03/25/2022
Number of Days to Update: 70

Source: Department of Justice, Consent Decree Library
Telephone: Varies
Last EDR Contact: 04/04/2022
Next Scheduled EDR Contact: 07/18/2022
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: 12/31/2019
Date Data Arrived at EDR: 03/02/2022
Date Made Active in Reports: 03/25/2022
Number of Days to Update: 23

Source: EPA/NTIS
Telephone: 800-424-9346
Last EDR Contact: 03/02/2022
Next Scheduled EDR Contact: 07/04/2022
Data Release Frequency: Biennially

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: 12/31/2014
Date Data Arrived at EDR: 07/14/2015
Date Made Active in Reports: 01/10/2017
Number of Days to Update: 546

Source: USGS
Telephone: 202-208-3710
Last EDR Contact: 04/05/2022
Next Scheduled EDR Contact: 07/18/2022
Data Release Frequency: Semi-Annually

FUSRAP: Formerly Utilized Sites Remedial Action Program

DOE established the Formerly Utilized Sites Remedial Action Program (FUSRAP) in 1974 to remediate sites where radioactive contamination remained from Manhattan Project and early U.S. Atomic Energy Commission (AEC) operations.

Date of Government Version: 07/26/2021
Date Data Arrived at EDR: 07/27/2021
Date Made Active in Reports: 10/22/2021
Number of Days to Update: 87

Source: Department of Energy
Telephone: 202-586-3559
Last EDR Contact: 04/28/2022
Next Scheduled EDR Contact: 08/15/2022
Data Release Frequency: Varies

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: 08/30/2019
Date Data Arrived at EDR: 11/15/2019
Date Made Active in Reports: 01/28/2020
Number of Days to Update: 74

Source: Department of Energy
Telephone: 505-845-0011
Last EDR Contact: 05/16/2022
Next Scheduled EDR Contact: 08/29/2022
Data Release Frequency: Varies

LEAD SMELTER 1: Lead Smelter Sites

A listing of former lead smelter site locations.

Date of Government Version: 04/27/2022
Date Data Arrived at EDR: 05/05/2022
Date Made Active in Reports: 05/31/2022
Number of Days to Update: 26

Source: Environmental Protection Agency
Telephone: 703-603-8787
Last EDR Contact: 09/01/2022
Next Scheduled EDR Contact: 07/11/2022
Data Release Frequency: Varies

LEAD SMELTER 2: Lead Smelter Sites

A list of several hundred sites in the U.S. where secondary lead smelting was done from 1931and 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

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: 10/12/2016
Date Data Arrived at EDR: 10/26/2016
Date Made Active in Reports: 02/03/2017
Number of Days to Update: 100

Source: EPA
Telephone: 202-564-2496
Last EDR Contact: 09/26/2017
Next Scheduled EDR Contact: 01/08/2018
Data Release Frequency: Annually

US AIRS MINOR: Air Facility System Data

A listing of minor source facilities.

Date of Government Version: 10/12/2016
Date Data Arrived at EDR: 10/26/2016
Date Made Active in Reports: 02/03/2017
Number of Days to Update: 100

Source: EPA
Telephone: 202-564-2496
Last EDR Contact: 09/26/2017
Next Scheduled EDR Contact: 01/08/2018
Data Release Frequency: Annually

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: 02/01/2022
Date Data Arrived at EDR: 02/23/2022
Date Made Active in Reports: 05/24/2022
Number of Days to Update: 90

Source: Department of Labor, Mine Safety and Health Administration
Telephone: 303-231-5959
Last EDR Contact: 05/25/2022
Next Scheduled EDR Contact: 09/05/2022
Data Release Frequency: Semi-Annually

MINES VIOLATIONS: MSHA Violation Assessment Data

Mines violation and assessment information. Department of Labor, Mine Safety & Health Administration.

Date of Government Version: 03/21/2022
Date Data Arrived at EDR: 03/22/2022
Date Made Active in Reports: 03/25/2022
Number of Days to Update: 3

Source: DOL, Mine Safety & Health Admi
Telephone: 202-693-9424
Last EDR Contact: 05/26/2022
Next Scheduled EDR Contact: 09/12/2022
Data Release Frequency: Quarterly

US MINES 2: Ferrous and Nonferrous Metal Mines Database Listing

This map layer includes ferrous (ferrous metal mines are facilities that extract ferrous metals, such as iron ore or molybdenum) and nonferrous (Nonferrous metal mines are facilities that extract nonferrous metals, such as gold, silver, copper, zinc, and lead) metal mines in the United States.

Date of Government Version: 05/06/2020
Date Data Arrived at EDR: 05/27/2020
Date Made Active in Reports: 08/13/2020
Number of Days to Update: 78

Source: USGS
Telephone: 703-648-7709
Last EDR Contact: 05/27/2022
Next Scheduled EDR Contact: 09/05/2022
Data Release Frequency: Varies

US MINES 3: Active Mines & Mineral Plants Database Listing

Active Mines and Mineral Processing Plant operations for commodities monitored by the Minerals Information Team of the USGS.

Date of Government Version: 04/14/2011
Date Data Arrived at EDR: 06/08/2011
Date Made Active in Reports: 09/13/2011
Number of Days to Update: 97

Source: USGS
Telephone: 703-648-7709
Last EDR Contact: 05/27/2022
Next Scheduled EDR Contact: 09/05/2022
Data Release Frequency: Varies

ABANDONED MINES: Abandoned Mines

An inventory of land and water impacted by past mining (primarily coal mining) is maintained by OSMRE to provide information needed to implement the Surface Mining Control and Reclamation Act of 1977 (SMCRA). The inventory contains information on the location, type, and extent of AML impacts, as well as, information on the cost associated with the reclamation of those problems. The inventory is based upon field surveys by State, Tribal, and OSMRE program officials. It is dynamic to the extent that it is modified as new problems are identified and existing problems are reclaimed.

Date of Government Version: 12/14/2021
Date Data Arrived at EDR: 12/15/2021
Date Made Active in Reports: 03/10/2022
Number of Days to Update: 85

Source: Department of Interior
Telephone: 202-208-2609
Last EDR Contact: 06/02/2022
Next Scheduled EDR Contact: 09/19/2022
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: 05/13/2022
Date Data Arrived at EDR: 05/18/2022
Date Made Active in Reports: 05/31/2022
Number of Days to Update: 13

Source: EPA
Telephone: (415) 947-8000
Last EDR Contact: 05/18/2022
Next Scheduled EDR Contact: 09/12/2022
Data Release Frequency: Quarterly

DOCKET HWC: Hazardous Waste Compliance Docket Listing

A complete list of the Federal Agency Hazardous Waste Compliance Docket Facilities.

Date of Government Version: 05/06/2021
Date Data Arrived at EDR: 05/21/2021
Date Made Active in Reports: 08/11/2021
Number of Days to Update: 82

Source: Environmental Protection Agency
Telephone: 202-564-0527
Last EDR Contact: 05/19/2022
Next Scheduled EDR Contact: 09/05/2022
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

ECHO: Enforcement & Compliance History Information

ECHO provides integrated compliance and enforcement information for about 800,000 regulated facilities nationwide.

Date of Government Version: 01/01/2022
Date Data Arrived at EDR: 01/04/2022
Date Made Active in Reports: 01/10/2022
Number of Days to Update: 6

Source: Environmental Protection Agency
Telephone: 202-564-2280
Last EDR Contact: 04/05/2022
Next Scheduled EDR Contact: 07/18/2022
Data Release Frequency: Quarterly

UXO: Unexploded Ordnance Sites

A listing of unexploded ordnance site locations

Date of Government Version: 12/31/2020
Date Data Arrived at EDR: 01/11/2022
Date Made Active in Reports: 02/14/2022
Number of Days to Update: 34

Source: Department of Defense
Telephone: 703-704-1564
Last EDR Contact: 04/12/2022
Next Scheduled EDR Contact: 07/25/2022
Data Release Frequency: Varies

FUELS PROGRAM: EPA Fuels Program Registered Listing

This listing includes facilities that are registered under the Part 80 (Code of Federal Regulations) EPA Fuels Programs. All companies now are required to submit new and updated registrations.

Date of Government Version: 02/17/2022
Date Data Arrived at EDR: 02/17/2022
Date Made Active in Reports: 05/10/2022
Number of Days to Update: 82

Source: EPA
Telephone: 800-385-6164
Last EDR Contact: 05/17/2022
Next Scheduled EDR Contact: 08/29/2022
Data Release Frequency: Quarterly

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
Date Data Arrived at EDR: 07/27/1994
Date Made Active in Reports: 08/02/1994
Number of Days to Update: 6

Source: Department of Health Services
Telephone: 916-255-2118
Last EDR Contact: 05/31/1994
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

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: 12/16/2021
Date Data Arrived at EDR: 12/16/2021
Date Made Active in Reports: 03/03/2022
Number of Days to Update: 77

Source: CAL EPA/Office of Emergency Information
Telephone: 916-323-3400
Last EDR Contact: 03/21/2022
Next Scheduled EDR Contact: 07/04/2022
Data Release Frequency: Quarterly

CUPA LIVERMORE-PLEASANTON: CUPA Facility Listing

list of facilities associated with the various CUPA programs in Livermore-Pleasanton

Date of Government Version: 12/07/2021
Date Data Arrived at EDR: 05/09/2022
Date Made Active in Reports: 05/17/2022
Number of Days to Update: 8

Source: Livermore-Pleasanton Fire Department
Telephone: 925-454-2361
Last EDR Contact: 05/09/2022
Next Scheduled EDR Contact: 08/22/2022
Data Release Frequency: Varies

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: 08/27/2021
Date Data Arrived at EDR: 09/01/2021
Date Made Active in Reports: 11/19/2021
Number of Days to Update: 79

Source: Department of Toxic Substance Control
Telephone: 916-327-4498
Last EDR Contact: 06/01/2022
Next Scheduled EDR Contact: 09/12/2022
Data Release Frequency: Annually

DRYCLEAN SOUTH COAST: South Coast Air Quality Management District Drycleaner Listing
A listing of dry cleaners in the South Coast Air Quality Management District

Date of Government Version: 02/17/2022
Date Data Arrived at EDR: 02/24/2022
Date Made Active in Reports: 05/18/2022
Number of Days to Update: 83

Source: South Coast Air Quality Management District
Telephone: 909-396-3211
Last EDR Contact: 05/19/2022
Next Scheduled EDR Contact: 09/05/2022
Data Release Frequency: Varies

DRYCLEAN AVAQMD: Antelope Valley Air Quality Management District Drycleaner Listing
A listing of dry cleaners in the Antelope Valley Air Quality Management District.

Date of Government Version: 02/24/2022
Date Data Arrived at EDR: 02/25/2022
Date Made Active in Reports: 05/18/2022
Number of Days to Update: 82

Source: Antelope Valley Air Quality Management District
Telephone: 661-723-8070
Last EDR Contact: 05/25/2022
Next Scheduled EDR Contact: 09/12/2022
Data Release Frequency: Varies

EMI: Emissions Inventory Data
Toxics and criteria pollutant emissions data collected by the ARB and local air pollution agencies.

Date of Government Version: 12/31/2019
Date Data Arrived at EDR: 06/10/2021
Date Made Active in Reports: 08/27/2021
Number of Days to Update: 78

Source: California Air Resources Board
Telephone: 916-322-2990
Last EDR Contact: 03/18/2022
Next Scheduled EDR Contact: 06/27/2022
Data Release Frequency: Varies

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: 04/12/2022
Date Data Arrived at EDR: 04/19/2022
Date Made Active in Reports: 05/31/2022
Number of Days to Update: 42

Source: State Water Resoruces Control Board
Telephone: 916-445-9379
Last EDR Contact: 04/19/2022
Next Scheduled EDR Contact: 08/01/2022
Data Release Frequency: Varies

Financial Assurance 1: Financial Assurance Information Listing
Financial Assurance information

Date of Government Version: 01/13/2022
Date Data Arrived at EDR: 01/14/2022
Date Made Active in Reports: 04/08/2022
Number of Days to Update: 84

Source: Department of Toxic Substances Control
Telephone: 916-255-3628
Last EDR Contact: 04/28/2022
Next Scheduled EDR Contact: 08/01/2022
Data Release Frequency: Varies

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: 02/23/2022
Date Data Arrived at EDR: 02/24/2022
Date Made Active in Reports: 05/18/2022
Number of Days to Update: 83

Source: California Integrated Waste Management Board
Telephone: 916-341-6066
Last EDR Contact: 05/19/2022
Next Scheduled EDR Contact: 08/22/2022
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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. This database begins with calendar year 1993.

Date of Government Version: 12/31/2019
Date Data Arrived at EDR: 04/15/2020
Date Made Active in Reports: 07/02/2020
Number of Days to Update: 78

Source: California Environmental Protection Agency
Telephone: 916-255-1136
Last EDR Contact: 04/08/2022
Next Scheduled EDR Contact: 07/18/2022
Data Release Frequency: Annually

ICE: ICE

Contains data pertaining to the Permitted Facilities with Inspections / Enforcements sites tracked in Envirostor.

Date of Government Version: 02/14/2022
Date Data Arrived at EDR: 02/15/2022
Date Made Active in Reports: 05/12/2022
Number of Days to Update: 86

Source: Department of Toxic Subsances Control
Telephone: 877-786-9427
Last EDR Contact: 05/17/2022
Next Scheduled EDR Contact: 08/29/2022
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 [CALSITES]. This listing is no longer updated by the state agency.

Date of Government Version: 04/01/2001
Date Data Arrived at EDR: 01/22/2009
Date Made Active in Reports: 04/08/2009
Number of Days to Update: 76

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 01/22/2009
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

HWP: EnviroStor Permitted Facilities Listing

Detailed information on permitted hazardous waste facilities and corrective action ("cleanups") tracked in EnviroStor.

Date of Government Version: 02/14/2022
Date Data Arrived at EDR: 02/15/2022
Date Made Active in Reports: 05/12/2022
Number of Days to Update: 86

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 05/17/2022
Next Scheduled EDR Contact: 08/29/2022
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: 01/03/2022
Date Data Arrived at EDR: 01/04/2022
Date Made Active in Reports: 03/18/2022
Number of Days to Update: 73

Source: Department of Toxic Substances Control
Telephone: 916-440-7145
Last EDR Contact: 04/05/2022
Next Scheduled EDR Contact: 07/18/2022
Data Release Frequency: Quarterly

MINES: Mines Site Location Listing

A listing of mine site locations from the Office of Mine Reclamation.

Date of Government Version: 03/07/2022
Date Data Arrived at EDR: 03/08/2022
Date Made Active in Reports: 06/01/2022
Number of Days to Update: 85

Source: Department of Conservation
Telephone: 916-322-1080
Last EDR Contact: 03/08/2022
Next Scheduled EDR Contact: 06/20/2022
Data Release Frequency: Quarterly

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: 02/17/2022
Date Data Arrived at EDR: 02/28/2022
Date Made Active in Reports: 05/25/2022
Number of Days to Update: 86

Source: Department of Public Health
Telephone: 916-558-1784
Last EDR Contact: 05/31/2022
Next Scheduled EDR Contact: 09/12/2022
Data Release Frequency: Varies

NPDES: NPDES Permits Listing

A listing of NPDES permits, including stormwater.

Date of Government Version: 02/07/2022
Date Data Arrived at EDR: 02/08/2022
Date Made Active in Reports: 05/05/2022
Number of Days to Update: 86

Source: State Water Resources Control Board
Telephone: 916-445-9379
Last EDR Contact: 05/09/2022
Next Scheduled EDR Contact: 08/22/2022
Data Release Frequency: Quarterly

PEST LIC: Pesticide Regulation Licenses Listing

A listing of licenses and certificates issued by the Department of Pesticide Regulation. The DPR issues licenses and/or certificates to: Persons and businesses that apply or sell pesticides; Pest control dealers and brokers; Persons who advise on agricultural pesticide applications.

Date of Government Version: 02/28/2022
Date Data Arrived at EDR: 02/28/2022
Date Made Active in Reports: 05/25/2022
Number of Days to Update: 86

Source: Department of Pesticide Regulation
Telephone: 916-445-4038
Last EDR Contact: 05/31/2022
Next Scheduled EDR Contact: 09/12/2022
Data Release Frequency: Quarterly

PROC: Certified Processors Database

A listing of certified processors.

Date of Government Version: 03/07/2022
Date Data Arrived at EDR: 03/08/2022
Date Made Active in Reports: 06/02/2022
Number of Days to Update: 86

Source: Department of Conservation
Telephone: 916-323-3836
Last EDR Contact: 03/08/2022
Next Scheduled EDR Contact: 06/20/2022
Data Release Frequency: Quarterly

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: 12/13/2021
Date Data Arrived at EDR: 12/14/2021
Date Made Active in Reports: 03/03/2022
Number of Days to Update: 79

Source: State Water Resources Control Board
Telephone: 916-445-3846
Last EDR Contact: 03/09/2022
Next Scheduled EDR Contact: 06/26/2022
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: 03/07/2022
Date Data Arrived at EDR: 03/08/2022
Date Made Active in Reports: 06/02/2022
Number of Days to Update: 86

Source: Deaprtment of Conservation
Telephone: 916-445-2408
Last EDR Contact: 03/08/2022
Next Scheduled EDR Contact: 06/20/2022
Data Release Frequency: Varies

UIC GEO: Underground Injection Control Sites (GEOTRACKER)
Underground control injection sites

Date of Government Version: 05/23/2022
Date Data Arrived at EDR: 05/23/2022
Date Made Active in Reports: 06/02/2022
Number of Days to Update: 10

Source: State Water Resource Control Board
Telephone: 866-480-1028
Last EDR Contact: 05/23/2022
Next Scheduled EDR Contact: 09/19/2022
Data Release Frequency: Varies

WASTEWATER PITS: Oil Wastewater Pits Listing
Water officials discovered that oil producers have been dumping chemical-laden wastewater into hundreds of unlined pits that are operating without proper permits. Inspections completed by the Central Valley Regional Water Quality Control Board revealed the existence of previously unidentified waste sites. The water boards review found that more than one-third of the region's active disposal pits are operating without permission.

Date of Government Version: 02/11/2021
Date Data Arrived at EDR: 07/01/2021
Date Made Active in Reports: 09/29/2021
Number of Days to Update: 90

Source: RWQCB, Central Valley Region
Telephone: 559-445-5577
Last EDR Contact: 04/08/2022
Next Scheduled EDR Contact: 07/18/2022
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: 05/12/2022
Next Scheduled EDR Contact: 08/29/2022
Data Release Frequency: No Update Planned

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
Date Data Arrived at EDR: 07/21/2009
Date Made Active in Reports: 08/03/2009
Number of Days to Update: 13

Source: Los Angeles Water Quality Control Board
Telephone: 213-576-6726
Last EDR Contact: 03/16/2022
Next Scheduled EDR Contact: 07/04/2022
Data Release Frequency: No Update Planned

MILITARY PRIV SITES: Military Privatized Sites (GEOTRACKER)
Military privatized sites

Date of Government Version: 05/23/2022
Date Data Arrived at EDR: 05/23/2022
Date Made Active in Reports: 06/02/2022
Number of Days to Update: 10

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 05/23/2022
Next Scheduled EDR Contact: 09/19/2022
Data Release Frequency: Varies

PROJECT: Project Sites (GEOTRACKER)
Projects sites

Date of Government Version: 05/23/2022
Date Data Arrived at EDR: 05/23/2022
Date Made Active in Reports: 06/02/2022
Number of Days to Update: 10

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 05/23/2022
Next Scheduled EDR Contact: 09/19/2022
Data Release Frequency: Varies

WDR: Waste Discharge Requirements Listing
In general, the Waste Discharge Requirements (WDRs) Program (sometimes also referred to as the "Non Chapter 15 (Non 15) Program") regulates point discharges that are exempt pursuant to Subsection 20090 of Title 27 and not subject to the Federal Water Pollution Control Act. Exemptions from Title 27 may be granted for nine categories of discharges (e.g., sewage, wastewater, etc.) that meet, and continue to meet, the preconditions listed for each specific exemption. The scope of the WDRs Program also includes the discharge of wastes classified as inert, pursuant to section 20230 of Title 27.

Date of Government Version: 03/07/2022
Date Data Arrived at EDR: 03/08/2022
Date Made Active in Reports: 06/03/2022
Number of Days to Update: 87
Source: State Water Resources Control Board
Telephone: 916-341-5810
Last EDR Contact: 03/08/2022
Next Scheduled EDR Contact: 06/20/2022
Data Release Frequency: Quarterly

CIWQS: California Integrated Water Quality System

The California Integrated Water Quality System (CIWQS) is a computer system used by the State and Regional Water Quality Control Boards to track information about places of environmental interest, manage permits and other orders, track inspections, and manage violations and enforcement activities.

Date of Government Version: 02/28/2022
Date Data Arrived at EDR: 02/28/2022
Date Made Active in Reports: 05/25/2022
Number of Days to Update: 86
Source: State Water Resources Control Board
Telephone: 866-794-4977
Last EDR Contact: 05/31/2022
Next Scheduled EDR Contact: 09/12/2022
Data Release Frequency: Varies

CERS: CalEPA Regulated Site Portal Data

The CalEPA Regulated Site Portal database combines data about environmentally regulated sites and facilities in California into a single database. It combines data from a variety of state and federal databases, and provides an overview of regulated activities across the spectrum of environmental programs for any given location in California. These activities include hazardous materials and waste, state and federal cleanups, impacted ground and surface waters, and toxic materials

Date of Government Version: 01/18/2022
Date Data Arrived at EDR: 01/19/2022
Date Made Active in Reports: 04/08/2022
Number of Days to Update: 79
Source: California Environmental Protection Agency
Telephone: 916-323-2514
Last EDR Contact: 04/19/2022
Next Scheduled EDR Contact: 08/01/2022
Data Release Frequency: Varies

NON-CASE INFO: Non-Case Information Sites (GEOTRACKER)

Non-Case Information sites

Date of Government Version: 05/23/2022
Date Data Arrived at EDR: 05/23/2022
Date Made Active in Reports: 06/02/2022
Number of Days to Update: 10
Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 05/23/2022
Next Scheduled EDR Contact: 09/19/2022
Data Release Frequency: Varies

OTHER OIL GAS: Other Oil & Gas Projects Sites (GEOTRACKER)

Other Oil & Gas Projects sites

Date of Government Version: 05/23/2022
Date Data Arrived at EDR: 05/23/2022
Date Made Active in Reports: 06/02/2022
Number of Days to Update: 10
Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 05/23/2022
Next Scheduled EDR Contact: 09/19/2022
Data Release Frequency: Varies

PROD WATER PONDS: Produced Water Ponds Sites (GEOTRACKER)

Produced water ponds sites

Date of Government Version: 05/23/2022
Date Data Arrived at EDR: 05/23/2022
Date Made Active in Reports: 06/02/2022
Number of Days to Update: 10
Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 05/23/2022
Next Scheduled EDR Contact: 09/19/2022
Data Release Frequency: Varies

SAMPLING POINT: Sampling Point ? Public Sites (GEOTRACKER)

Sampling point - public sites

Date of Government Version: 05/23/2022
Date Data Arrived at EDR: 05/23/2022
Date Made Active in Reports: 06/02/2022
Number of Days to Update: 10

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 05/23/2022
Next Scheduled EDR Contact: 09/19/2022
Data Release Frequency: Varies

WELL STIM PROJ: Well Stimulation Project (GEOTRACKER)

Includes areas of groundwater monitoring plans, a depiction of the monitoring network, and the facilities, boundaries, and subsurface characteristics of the oilfield and the features (oil and gas wells, produced water ponds, UIC wells, water supply wells, etc?) being monitored

Date of Government Version: 05/23/2022
Date Data Arrived at EDR: 05/23/2022
Date Made Active in Reports: 06/02/2022
Number of Days to Update: 10

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 05/23/2022
Next Scheduled EDR Contact: 09/19/2022
Data Release Frequency: Varies

PCS: Permit Compliance System

PCS is a computerized management information system that contains data on National Pollutant Discharge Elimination System (NPDES) permit holding facilities. PCS tracks the permit, compliance, and enforcement status of NPDES facilities.

Date of Government Version: 07/14/2011
Date Data Arrived at EDR: 08/05/2011
Date Made Active in Reports: 09/29/2011
Number of Days to Update: 55

Source: EPA, Office of Water
Telephone: 202-564-2496
Last EDR Contact: 03/31/2022
Next Scheduled EDR Contact: 07/18/2022
Data Release Frequency: Semi-Annually

PCS ENF: Enforcement data

No description is available for this data

Date of Government Version: 12/31/2014
Date Data Arrived at EDR: 02/05/2015
Date Made Active in Reports: 03/06/2015
Number of Days to Update: 29

Source: EPA
Telephone: 202-564-2497
Last EDR Contact: 03/31/2022
Next Scheduled EDR Contact: 07/18/2022
Data Release Frequency: Varies

HWTS: Hazardous Waste Tracking System

DTSC maintains the Hazardous Waste Tracking System that stores ID number information since the early 1980s and manifest data since 1993. The system collects both manifest copies from the generator and destination facility.

Date of Government Version: 04/05/2022
Date Data Arrived at EDR: 04/05/2022
Date Made Active in Reports: 04/26/2022
Number of Days to Update: 21

Source: Department of Toxic Substances Control
Telephone: 916-324-2444
Last EDR Contact: 04/05/2022
Next Scheduled EDR Contact: 07/18/2022
Data Release Frequency: Varies

MINES MRDS: Mineral Resources Data System

Mineral Resources Data System

Date of Government Version: 04/06/2018
Date Data Arrived at EDR: 10/21/2019
Date Made Active in Reports: 10/24/2019
Number of Days to Update: 3

Source: USGS
Telephone: 703-648-6533
Last EDR Contact: 05/27/2022
Next Scheduled EDR Contact: 09/05/2022
Data Release Frequency: Varies

PCS INACTIVE: Listing of Inactive PCS Permits

An inactive permit is a facility that has shut down or is no longer discharging.

Date of Government Version: 11/05/2014
Date Data Arrived at EDR: 01/06/2015
Date Made Active in Reports: 05/06/2015
Number of Days to Update: 120

Source: EPA
Telephone: 202-564-2496
Last EDR Contact: 03/31/2022
Next Scheduled EDR Contact: 07/18/2022
Data Release Frequency: Semi-Annually

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 Hist Auto: EDR Exclusive Historical Auto 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 Hist Cleaner: EDR Exclusive Historical 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 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
Date Data Arrived at EDR: 07/01/2013
Date Made Active in Reports: 01/13/2014
Number of Days to Update: 196

Source: Department of Resources Recycling and Recovery
Telephone: N/A
Last EDR Contact: 06/01/2012
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
Date Data Arrived at EDR: 07/01/2013
Date Made Active in Reports: 12/30/2013
Number of Days to Update: 182

Source: State Water Resources Control Board
Telephone: N/A
Last EDR Contact: 06/01/2012
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

COUNTY RECORDS

ALAMEDA COUNTY:

CS ALAMEDA: 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: 01/09/2019
Date Data Arrived at EDR: 01/11/2019
Date Made Active in Reports: 03/05/2019
Number of Days to Update: 53

Source: Alameda County Environmental Health Services
Telephone: 510-567-6700
Last EDR Contact: 03/31/2022
Next Scheduled EDR Contact: 07/18/2022
Data Release Frequency: Semi-Annually

UST ALAMEDA: Underground Tanks

Underground storage tank sites located in Alameda county.

Date of Government Version: 12/28/2021
Date Data Arrived at EDR: 12/28/2021
Date Made Active in Reports: 03/18/2022
Number of Days to Update: 80

Source: Alameda County Environmental Health Services
Telephone: 510-567-6700
Last EDR Contact: 04/28/2022
Next Scheduled EDR Contact: 07/18/2022
Data Release Frequency: Semi-Annually

AMADOR COUNTY:

CUPA AMADOR: CUPA Facility List

Cupa Facility List

Date of Government Version: 02/04/2022
Date Data Arrived at EDR: 02/04/2022
Date Made Active in Reports: 05/02/2022
Number of Days to Update: 87

Source: Amador County Environmental Health
Telephone: 209-223-6439
Last EDR Contact: 05/12/2022
Next Scheduled EDR Contact: 08/15/2022
Data Release Frequency: Varies

BUTTE COUNTY:

CUPA BUTTE: CUPA Facility Listing
Cupa facility list.

Date of Government Version: 04/21/2017
Date Data Arrived at EDR: 04/25/2017
Date Made Active in Reports: 08/09/2017
Number of Days to Update: 106

Source: Public Health Department
Telephone: 530-538-7149
Last EDR Contact: 03/31/2022
Next Scheduled EDR Contact: 07/18/2022
Data Release Frequency: No Update Planned

CALVERAS COUNTY:

CUPA CALVERAS: CUPA Facility Listing
Cupa Facility Listing

Date of Government Version: 12/28/2021
Date Data Arrived at EDR: 12/28/2021
Date Made Active in Reports: 03/18/2022
Number of Days to Update: 80

Source: Calveras County Environmental Health
Telephone: 209-754-6399
Last EDR Contact: 03/17/2022
Next Scheduled EDR Contact: 07/04/2022
Data Release Frequency: Quarterly

COLUSA COUNTY:

CUPA COLUSA: CUPA Facility List
Cupa facility list.

Date of Government Version: 04/06/2020
Date Data Arrived at EDR: 04/23/2020
Date Made Active in Reports: 07/10/2020
Number of Days to Update: 78

Source: Health & Human Services
Telephone: 530-458-0396
Last EDR Contact: 04/28/2022
Next Scheduled EDR Contact: 08/15/2022
Data Release Frequency: Semi-Annually

CONTRA COSTA COUNTY:

SL CONTRA COSTA: Site List
List includes sites from the underground tank, hazardous waste generator and business plan/2185 programs.

Date of Government Version: 01/24/2022
Date Data Arrived at EDR: 01/25/2022
Date Made Active in Reports: 04/14/2022
Number of Days to Update: 79

Source: Contra Costa Health Services Department
Telephone: 925-646-2286
Last EDR Contact: 04/21/2022
Next Scheduled EDR Contact: 08/08/2022
Data Release Frequency: Semi-Annually

DEL NORTE COUNTY:

CUPA DEL NORTE: CUPA Facility List
Cupa Facility list

Date of Government Version: 01/10/2022
Date Data Arrived at EDR: 01/26/2022
Date Made Active in Reports: 04/14/2022
Number of Days to Update: 78

Source: Del Norte County Environmental Health Division
Telephone: 707-465-0426
Last EDR Contact: 05/04/2022
Next Scheduled EDR Contact: 08/08/2022
Data Release Frequency: Varies

EL DORADO COUNTY:

CUPA EL DORADO: CUPA Facility List
CUPA facility list.

Date of Government Version: 02/16/2022
Date Data Arrived at EDR: 02/17/2022
Date Made Active in Reports: 05/10/2022
Number of Days to Update: 82

Source: El Dorado County Environmental Management Department
Telephone: 530-621-6623
Last EDR Contact: 06/02/2022
Next Scheduled EDR Contact: 08/08/2022
Data Release Frequency: Varies

FRESNO COUNTY:

CUPA FRESNO: 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: 06/28/2021
Date Data Arrived at EDR: 12/21/2021
Date Made Active in Reports: 03/03/2022
Number of Days to Update: 72

Source: Dept. of Community Health
Telephone: 559-445-3271
Last EDR Contact: 03/31/2022
Next Scheduled EDR Contact: 07/11/2022
Data Release Frequency: Semi-Annually

GLENN COUNTY:

CUPA GLENN: CUPA Facility List
Cupa facility list

Date of Government Version: 01/22/2018
Date Data Arrived at EDR: 01/24/2018
Date Made Active in Reports: 03/14/2018
Number of Days to Update: 49

Source: Glenn County Air Pollution Control District
Telephone: 830-934-6500
Last EDR Contact: 04/14/2022
Next Scheduled EDR Contact: 08/01/2022
Data Release Frequency: No Update Planned

HUMBOLDT COUNTY:

CUPA HUMBOLDT: CUPA Facility List
CUPA facility list.

Date of Government Version: 08/12/2021
Date Data Arrived at EDR: 08/12/2021
Date Made Active in Reports: 11/08/2021
Number of Days to Update: 88

Source: Humboldt County Environmental Health
Telephone: N/A
Last EDR Contact: 05/12/2022
Next Scheduled EDR Contact: 08/29/2022
Data Release Frequency: Semi-Annually

IMPERIAL COUNTY:

CUPA IMPERIAL: CUPA Facility List
Cupa facility list.

Date of Government Version: 01/13/2022
Date Data Arrived at EDR: 01/14/2022
Date Made Active in Reports: 04/06/2022
Number of Days to Update: 82

Source: San Diego Border Field Office
Telephone: 760-339-2777
Last EDR Contact: 04/18/2022
Next Scheduled EDR Contact: 08/01/2022
Data Release Frequency: Varies

INYO COUNTY:

CUPA INYO: CUPA Facility List
Cupa facility list.

Date of Government Version: 04/02/2018
Date Data Arrived at EDR: 04/03/2018
Date Made Active in Reports: 06/14/2018
Number of Days to Update: 72

Source: Inyo County Environmental Health Services
Telephone: 760-878-0238
Last EDR Contact: 05/12/2022
Next Scheduled EDR Contact: 08/29/2022
Data Release Frequency: Varies

KERN COUNTY:

CUPA KERN: CUPA Facility List
A listing of sites included in the Kern County Hazardous Material Business Plan.

Date of Government Version: 02/10/2022
Date Data Arrived at EDR: 02/11/2022
Date Made Active in Reports: 05/04/2022
Number of Days to Update: 82

Source: Kern County Public Health
Telephone: 661-321-3000
Last EDR Contact: 04/28/2022
Next Scheduled EDR Contact: 08/15/2022
Data Release Frequency: Varies

UST KERN: Underground Storage Tank Sites & Tank Listing
Kern County Sites and Tanks Listing.

Date of Government Version: 02/10/2022
Date Data Arrived at EDR: 02/11/2022
Date Made Active in Reports: 05/04/2022
Number of Days to Update: 82

Source: Kern County Environment Health Services Department
Telephone: 661-862-8700
Last EDR Contact: 04/28/2022
Next Scheduled EDR Contact: 08/15/2022
Data Release Frequency: Quarterly

KINGS COUNTY:

CUPA KINGS: 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: 12/03/2020
Date Data Arrived at EDR: 01/26/2021
Date Made Active in Reports: 04/14/2021
Number of Days to Update: 78

Source: Kings County Department of Public Health
Telephone: 559-584-1411
Last EDR Contact: 05/25/2022
Next Scheduled EDR Contact: 08/29/2022
Data Release Frequency: Varies

LAKE COUNTY:

CUPA LAKE: CUPA Facility List
Cupa facility list

Date of Government Version: 02/10/2022
Date Data Arrived at EDR: 02/11/2022
Date Made Active in Reports: 05/04/2022
Number of Days to Update: 82

Source: Lake County Environmental Health
Telephone: 707-263-1164
Last EDR Contact: 04/11/2022
Next Scheduled EDR Contact: 07/25/2022
Data Release Frequency: Varies

LASSEN COUNTY:

CUPA LASSEN: CUPA Facility List
Cupa facility list

Date of Government Version: 07/31/2020
Date Data Arrived at EDR: 08/21/2020
Date Made Active in Reports: 11/09/2020
Number of Days to Update: 80

Source: Lassen County Environmental Health
Telephone: 530-251-8528
Last EDR Contact: 04/14/2022
Next Scheduled EDR Contact: 08/01/2022
Data Release Frequency: Varies

LOS ANGELES COUNTY:

AOCONCERN: Key Areas of Concerns in Los Angeles County
San Gabriel Valley areas where VOC contamination is at or above the MCL as designated by region 9 EPA office. Date of Government Version: 3/30/2009 Exide Site area is a cleanup plan of lead-impacted soil surrounding the former Exide Facility as designated by the DTSC. Date of Government Version: 7/17/2017

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: N/A
Telephone: N/A
Last EDR Contact: 03/10/2022
Next Scheduled EDR Contact: 06/27/2022
Data Release Frequency: No Update Planned

HMS LOS ANGELES: HMS: Street Number List
Industrial Waste and Underground Storage Tank Sites.

Date of Government Version: 04/04/2022
Date Data Arrived at EDR: 04/05/2022
Date Made Active in Reports: 04/13/2022
Number of Days to Update: 8

Source: Department of Public Works
Telephone: 626-458-3517
Last EDR Contact: 04/04/2022
Next Scheduled EDR Contact: 07/18/2022
Data Release Frequency: Semi-Annually

LF LOS ANGELES: List of Solid Waste Facilities
Solid Waste Facilities in Los Angeles County.

Date of Government Version: 01/10/2022
Date Data Arrived at EDR: 01/11/2022
Date Made Active in Reports: 04/04/2022
Number of Days to Update: 83

Source: La County Department of Public Works
Telephone: 818-458-5185
Last EDR Contact: 04/12/2022
Next Scheduled EDR Contact: 07/25/2022
Data Release Frequency: Varies

LF LOS ANGELES CITY: City of Los Angeles Landfills
Landfills owned and maintained by the City of Los Angeles.

Date of Government Version: 01/01/2022
Date Data Arrived at EDR: 01/21/2022
Date Made Active in Reports: 04/11/2022
Number of Days to Update: 80

Source: Engineering & Construction Division
Telephone: 213-473-7869
Last EDR Contact: 04/08/2022
Next Scheduled EDR Contact: 07/25/2022
Data Release Frequency: Varies

LOS ANGELES AST: Active & Inactive AST Inventory
A listing of active & inactive above ground petroleum storage tank site locations, located in the City of Los Angeles.

Date of Government Version: 06/01/2019
Date Data Arrived at EDR: 06/25/2019
Date Made Active in Reports: 08/22/2019
Number of Days to Update: 58

Source: Los Angeles Fire Department
Telephone: 213-978-3800
Last EDR Contact: 03/23/2022
Next Scheduled EDR Contact: 07/04/2022
Data Release Frequency: Varies

LOS ANGELES CO LF METHANE: Methane Producing Landfills

This data was created on April 30, 2012 to represent known disposal sites in Los Angeles County that may produce and emanate methane gas. The shapefile contains disposal sites within Los Angeles County that once accepted degradable refuse material. Information used to create this data was extracted from a landfill survey performed by County Engineers (Major Waste System Map, 1973) as well as historical records from CalRecycle, Regional Water Quality Control Board, and Los Angeles County Department of Public Health

Date of Government Version: 01/10/2022
Date Data Arrived at EDR: 01/12/2022
Date Made Active in Reports: 04/04/2022
Number of Days to Update: 82

Source: Los Angeles County Department of Public Works
Telephone: 626-458-6973
Last EDR Contact: 04/13/2022
Next Scheduled EDR Contact: 07/25/2022
Data Release Frequency: No Update Planned

LOS ANGELES HM: Active & Inactive Hazardous Materials Inventory

A listing of active & inactive hazardous materials facility locations, located in the City of Los Angeles.

Date of Government Version: 04/19/2021
Date Data Arrived at EDR: 06/17/2021
Date Made Active in Reports: 06/28/2021
Number of Days to Update: 11

Source: Los Angeles Fire Department
Telephone: 213-978-3800
Last EDR Contact: 03/21/2022
Next Scheduled EDR Contact: 07/04/2022
Data Release Frequency: Varies

LOS ANGELES UST: Active & Inactive UST Inventory

A listing of active & inactive underground storage tank site locations and underground storage tank historical sites, located in the City of Los Angeles.

Date of Government Version: 04/19/2021
Date Data Arrived at EDR: 06/17/2021
Date Made Active in Reports: 09/14/2021
Number of Days to Update: 89

Source: Los Angeles Fire Department
Telephone: 213-978-3800
Last EDR Contact: 03/21/2022
Next Scheduled EDR Contact: 07/04/2022
Data Release Frequency: Varies

SITE MIT LOS ANGELES: Site Mitigation List

Industrial sites that have had some sort of spill or complaint.

Date of Government Version: 05/26/2021
Date Data Arrived at EDR: 07/09/2021
Date Made Active in Reports: 09/29/2021
Number of Days to Update: 82

Source: Community Health Services
Telephone: 323-890-7806
Last EDR Contact: 04/14/2022
Next Scheduled EDR Contact: 07/25/2022
Data Release Frequency: Annually

UST EL SEGUNDO: City of El Segundo Underground Storage Tank

Underground storage tank sites located in El Segundo city.

Date of Government Version: 01/21/2017
Date Data Arrived at EDR: 04/19/2017
Date Made Active in Reports: 05/10/2017
Number of Days to Update: 21

Source: City of El Segundo Fire Department
Telephone: 310-524-2236
Last EDR Contact: 04/08/2022
Next Scheduled EDR Contact: 07/25/2022
Data Release Frequency: No Update Planned

UST LONG BEACH: City of Long Beach Underground Storage Tank

Underground storage tank sites located in the city of Long Beach.

Date of Government Version: 04/22/2019
Date Data Arrived at EDR: 04/23/2019
Date Made Active in Reports: 06/27/2019
Number of Days to Update: 65

Source: City of Long Beach Fire Department
Telephone: 562-570-2563
Last EDR Contact: 04/14/2022
Next Scheduled EDR Contact: 08/01/2022
Data Release Frequency: Varies

UST TORRANCE: City of Torrance Underground Storage Tank
Underground storage tank sites located in the city of Torrance.

Date of Government Version: 02/02/2021
Date Data Arrived at EDR: 04/28/2021
Date Made Active in Reports: 07/13/2021
Number of Days to Update: 76

Source: City of Torrance Fire Department
Telephone: 310-618-2973
Last EDR Contact: 04/18/2022
Next Scheduled EDR Contact: 08/01/2022
Data Release Frequency: Semi-Annually

MADERA COUNTY:

CUPA MADERA: 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: 08/10/2020
Date Data Arrived at EDR: 08/12/2020
Date Made Active in Reports: 10/23/2020
Number of Days to Update: 72

Source: Madera County Environmental Health
Telephone: 559-675-7823
Last EDR Contact: 05/12/2022
Next Scheduled EDR Contact: 08/29/2022
Data Release Frequency: Varies

MARIN COUNTY:

UST MARIN: Underground Storage Tank Sites
Currently permitted USTs in Marin County.

Date of Government Version: 09/26/2018
Date Data Arrived at EDR: 10/04/2018
Date Made Active in Reports: 11/02/2018
Number of Days to Update: 29

Source: Public Works Department Waste Management
Telephone: 415-473-6647
Last EDR Contact: 03/23/2022
Next Scheduled EDR Contact: 07/11/2022
Data Release Frequency: Semi-Annually

MENDOCINO COUNTY:

UST MENDOCINO: Mendocino County UST Database
A listing of underground storage tank locations in Mendocino County.

Date of Government Version: 09/22/2021
Date Data Arrived at EDR: 11/18/2021
Date Made Active in Reports: 11/22/2021
Number of Days to Update: 4

Source: Department of Public Health
Telephone: 707-463-4466
Last EDR Contact: 05/19/2022
Next Scheduled EDR Contact: 09/05/2022
Data Release Frequency: Annually

MERCED COUNTY:

CUPA MERCED: CUPA Facility List
CUPA facility list.

Date of Government Version: 02/15/2022
Date Data Arrived at EDR: 02/17/2022
Date Made Active in Reports: 05/11/2022
Number of Days to Update: 83

Source: Merced County Environmental Health
Telephone: 209-381-1094
Last EDR Contact: 05/25/2022
Next Scheduled EDR Contact: 08/29/2022
Data Release Frequency: Varies

MONO COUNTY:

CUPA MONO: CUPA Facility List
CUPA Facility List

Date of Government Version: 02/22/2021
Date Data Arrived at EDR: 03/02/2021
Date Made Active in Reports: 05/19/2021
Number of Days to Update: 78

Source: Mono County Health Department
Telephone: 760-932-5580
Last EDR Contact: 05/19/2022
Next Scheduled EDR Contact: 09/05/2022
Data Release Frequency: Varies

MONTEREY COUNTY:

CUPA MONTEREY: CUPA Facility Listing
CUPA Program listing from the Environmental Health Division.

Date of Government Version: 10/04/2021
Date Data Arrived at EDR: 10/06/2021
Date Made Active in Reports: 12/29/2021
Number of Days to Update: 84

Source: Monterey County Health Department
Telephone: 831-796-1297
Last EDR Contact: 04/04/2022
Next Scheduled EDR Contact: 07/11/2022
Data Release Frequency: Varies

NAPA COUNTY:

LUST NAPA: Sites With Reported Contamination
A listing of leaking underground storage tank sites located in Napa county.

Date of Government Version: 01/09/2017
Date Data Arrived at EDR: 01/11/2017
Date Made Active in Reports: 03/02/2017
Number of Days to Update: 50

Source: Napa County Department of Environmental Management
Telephone: 707-253-4269
Last EDR Contact: 05/19/2022
Next Scheduled EDR Contact: 09/05/2022
Data Release Frequency: No Update Planned

UST NAPA: Closed and Operating Underground Storage Tank Sites
Underground storage tank sites located in Napa county.

Date of Government Version: 09/05/2019
Date Data Arrived at EDR: 09/09/2019
Date Made Active in Reports: 10/31/2019
Number of Days to Update: 52

Source: Napa County Department of Environmental Management
Telephone: 707-253-4269
Last EDR Contact: 05/19/2022
Next Scheduled EDR Contact: 09/05/2022
Data Release Frequency: No Update Planned

NEVADA COUNTY:

CUPA NEVADA: CUPA Facility List
CUPA facility list.

Date of Government Version: 01/25/2022
Date Data Arrived at EDR: 01/26/2022
Date Made Active in Reports: 04/14/2022
Number of Days to Update: 78

Source: Community Development Agency
Telephone: 530-265-1467
Last EDR Contact: 04/21/2022
Next Scheduled EDR Contact: 08/08/2022
Data Release Frequency: Varies

ORANGE COUNTY:

IND_SITE ORANGE: List of Industrial Site Cleanups
Petroleum and non-petroleum spills.

Date of Government Version: 01/14/2022
Date Data Arrived at EDR: 02/03/2022
Date Made Active in Reports: 04/14/2022
Number of Days to Update: 70

Source: Health Care Agency
Telephone: 714-834-3446
Last EDR Contact: 05/02/2022
Next Scheduled EDR Contact: 08/15/2022
Data Release Frequency: Annually

LUST ORANGE: List of Underground Storage Tank Cleanups
Orange County Underground Storage Tank Cleanups (LUST).

Date of Government Version: 01/14/2022
Date Data Arrived at EDR: 02/04/2022
Date Made Active in Reports: 05/02/2022
Number of Days to Update: 87

Source: Health Care Agency
Telephone: 714-834-3446
Last EDR Contact: 05/02/2022
Next Scheduled EDR Contact: 08/15/2022
Data Release Frequency: Quarterly

UST ORANGE: List of Underground Storage Tank Facilities
Orange County Underground Storage Tank Facilities (UST).

Date of Government Version: 01/14/2022
Date Data Arrived at EDR: 02/01/2022
Date Made Active in Reports: 04/18/2022
Number of Days to Update: 76

Source: Health Care Agency
Telephone: 714-834-3446
Last EDR Contact: 05/03/2022
Next Scheduled EDR Contact: 08/15/2022
Data Release Frequency: Quarterly

PLACER COUNTY:

MS PLACER: Master List of Facilities
List includes aboveground tanks, underground tanks and cleanup sites.

Date of Government Version: 05/25/2022
Date Data Arrived at EDR: 05/26/2022
Date Made Active in Reports: 06/01/2022
Number of Days to Update: 6

Source: Placer County Health and Human Services
Telephone: 530-745-2363
Last EDR Contact: 05/25/2022
Next Scheduled EDR Contact: 09/12/2022
Data Release Frequency: Semi-Annually

PLUMAS COUNTY:

CUPA PLUMAS: CUPA Facility List
Plumas County CUPA Program facilities.

Date of Government Version: 03/31/2019
Date Data Arrived at EDR: 04/23/2019
Date Made Active in Reports: 06/26/2019
Number of Days to Update: 64

Source: Plumas County Environmental Health
Telephone: 530-283-6355
Last EDR Contact: 04/14/2022
Next Scheduled EDR Contact: 08/01/2022
Data Release Frequency: Varies

RIVERSIDE COUNTY:

LUST RIVERSIDE: Listing of Underground Tank Cleanup Sites
Riverside County Underground Storage Tank Cleanup Sites (LUST).

Date of Government Version: 03/31/2022
Date Data Arrived at EDR: 03/31/2022
Date Made Active in Reports: 04/08/2022
Number of Days to Update: 8

Source: Department of Environmental Health
Telephone: 951-358-5055
Last EDR Contact: 03/14/2022
Next Scheduled EDR Contact: 06/27/2022
Data Release Frequency: Quarterly

UST RIVERSIDE: Underground Storage Tank Tank List
Underground storage tank sites located in Riverside county.

Date of Government Version: 03/31/2022
Date Data Arrived at EDR: 03/31/2022
Date Made Active in Reports: 04/08/2022
Number of Days to Update: 8

Source: Department of Environmental Health
Telephone: 951-358-5055
Last EDR Contact: 03/14/2022
Next Scheduled EDR Contact: 06/27/2022
Data Release Frequency: Quarterly

SACRAMENTO COUNTY:

CS SACRAMENTO: Toxic Site Clean-Up List
List of sites where unauthorized releases of potentially hazardous materials have occurred.

Date of Government Version: 06/18/2021
Date Data Arrived at EDR: 09/28/2021
Date Made Active in Reports: 12/14/2021
Number of Days to Update: 77

Source: Sacramento County Environmental Management
Telephone: 916-875-8406
Last EDR Contact: 03/31/2022
Next Scheduled EDR Contact: 07/11/2022
Data Release Frequency: Quarterly

ML SACRAMENTO: 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: 08/02/2021
Date Data Arrived at EDR: 08/04/2021
Date Made Active in Reports: 11/02/2021
Number of Days to Update: 90

Source: Sacramento County Environmental Management
Telephone: 916-875-8406
Last EDR Contact: 03/31/2022
Next Scheduled EDR Contact: 07/11/2022
Data Release Frequency: Quarterly

SAN BENITO COUNTY:

CUPA SAN BENITO: CUPA Facility List
Cupa facility list

Date of Government Version: 04/29/2022
Date Data Arrived at EDR: 04/29/2022
Date Made Active in Reports: 05/05/2022
Number of Days to Update: 6

Source: San Benito County Environmental Health
Telephone: N/A
Last EDR Contact: 04/28/2022
Next Scheduled EDR Contact: 08/15/2022
Data Release Frequency: Varies

SAN BERNARDINO COUNTY:

PERMITS SAN BERNARDINO: Hazardous Material Permits
This listing includes underground storage tanks, medical waste handlers/generators, hazardous materials handlers, hazardous waste generators, and waste oil generators/handlers.

Date of Government Version: 05/12/2022
Date Data Arrived at EDR: 05/12/2022
Date Made Active in Reports: 05/18/2022
Number of Days to Update: 6

Source: San Bernardino County Fire Department Hazardous Materials Division
Telephone: 909-387-3041
Last EDR Contact: 04/28/2022
Next Scheduled EDR Contact: 08/15/2022
Data Release Frequency: Quarterly

SAN DIEGO COUNTY:

HMMD SAN DIEGO: 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: 02/28/2022
Date Data Arrived at EDR: 02/28/2022
Date Made Active in Reports: 05/25/2022
Number of Days to Update: 86

Source: Hazardous Materials Management Division
Telephone: 619-338-2268
Last EDR Contact: 05/31/2022
Next Scheduled EDR Contact: 09/12/2022
Data Release Frequency: Quarterly

LF SAN DIEGO: Solid Waste Facilities

San Diego County Solid Waste Facilities.

Date of Government Version: 10/27/2021
Date Data Arrived at EDR: 03/04/2022
Date Made Active in Reports: 05/31/2022
Number of Days to Update: 88

Source: Department of Health Services
Telephone: 619-338-2209
Last EDR Contact: 04/14/2022
Next Scheduled EDR Contact: 08/01/2022
Data Release Frequency: Varies

SAN DIEGO CO LOP: Local Oversight Program Listing

A listing of all LOP release sites that are or were under the County of San Diego's jurisdiction. Included are closed or transferred cases, open cases, and cases that did not have a case type indicated. The cases without a case type are mostly complaints; however, some of them could be LOP cases.

Date of Government Version: 07/22/2021
Date Data Arrived at EDR: 10/19/2021
Date Made Active in Reports: 01/13/2022
Number of Days to Update: 86

Source: Department of Environmental Health
Telephone: 858-505-6874
Last EDR Contact: 04/18/2022
Next Scheduled EDR Contact: 08/01/2022
Data Release Frequency: Varies

SAN DIEGO CO SAM: 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: 05/25/2022
Next Scheduled EDR Contact: 09/12/2022
Data Release Frequency: No Update Planned

SAN FRANCISCO COUNTY:

CUPA SAN FRANCISCO CO: CUPA Facility Listing

Cupa facilities

Date of Government Version: 02/03/2022
Date Data Arrived at EDR: 02/04/2022
Date Made Active in Reports: 02/11/2022
Number of Days to Update: 7

Source: San Francisco County Department of Environmental Health
Telephone: 415-252-3896
Last EDR Contact: 04/28/2022
Next Scheduled EDR Contact: 08/15/2022
Data Release Frequency: Varies

LUST SAN FRANCISCO: Local Oversite 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: 04/28/2022
Next Scheduled EDR Contact: 08/15/2022
Data Release Frequency: No Update Planned

UST SAN FRANCISCO: Underground Storage Tank Information
Underground storage tank sites located in San Francisco county.

Date of Government Version: 02/03/2022
Date Data Arrived at EDR: 02/04/2022
Date Made Active in Reports: 05/02/2022
Number of Days to Update: 87

Source: Department of Public Health
Telephone: 415-252-3920
Last EDR Contact: 04/28/2022
Next Scheduled EDR Contact: 08/15/2022
Data Release Frequency: Quarterly

SAN FRANCISO COUNTY:

SAN FRANCISCO MAHER: Maher Ordinance Property Listing
a listing of properties that fall within a Maher Ordinance, for all of San Francisco

Date of Government Version: 01/18/2022
Date Data Arrived at EDR: 01/20/2022
Date Made Active in Reports: 04/27/2022
Number of Days to Update: 97

Source: San Francisco Planning
Telephone: 628-652-7483
Last EDR Contact: 05/06/2022
Next Scheduled EDR Contact: 08/01/2022
Data Release Frequency: Varies

SAN JOAQUIN COUNTY:

UST SAN JOAQUIN: San Joaquin Co. UST
A listing of underground storage tank locations in San Joaquin county.

Date of Government Version: 06/22/2018
Date Data Arrived at EDR: 06/26/2018
Date Made Active in Reports: 07/11/2018
Number of Days to Update: 15

Source: Environmental Health Department
Telephone: N/A
Last EDR Contact: 03/10/2022
Next Scheduled EDR Contact: 06/27/2022
Data Release Frequency: Semi-Annually

SAN LUIS OBISPO COUNTY:

CUPA SAN LUIS OBISPO: CUPA Facility List
Cupa Facility List.

Date of Government Version: 02/15/2022
Date Data Arrived at EDR: 02/16/2022
Date Made Active in Reports: 05/13/2022
Number of Days to Update: 86

Source: San Luis Obispo County Public Health Department
Telephone: 805-781-5596
Last EDR Contact: 05/12/2022
Next Scheduled EDR Contact: 08/29/2022
Data Release Frequency: Varies

SAN MATEO COUNTY:

BI SAN MATEO: Business Inventory
List includes Hazardous Materials Business Plan, hazardous waste generators, and underground storage tanks.

Date of Government Version: 02/20/2020
Date Data Arrived at EDR: 02/20/2020
Date Made Active in Reports: 04/24/2020
Number of Days to Update: 64

Source: San Mateo County Environmental Health Services Division
Telephone: 650-363-1921
Last EDR Contact: 03/11/2022
Next Scheduled EDR Contact: 06/20/2022
Data Release Frequency: Annually

LUST SAN MATEO: Fuel Leak List
A listing of leaking underground storage tank sites located in San Mateo county.

Date of Government Version: 03/29/2019
Date Data Arrived at EDR: 03/29/2019
Date Made Active in Reports: 05/29/2019
Number of Days to Update: 61

Source: San Mateo County Environmental Health Services Division
Telephone: 650-363-1921
Last EDR Contact: 06/02/2022
Next Scheduled EDR Contact: 09/19/2022
Data Release Frequency: Semi-Annually

SANTA BARBARA COUNTY:

CUPA SANTA BARBARA: 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: 05/12/2022
Next Scheduled EDR Contact: 08/29/2022
Data Release Frequency: No Update Planned

SANTA CLARA COUNTY:

CUPA SANTA CLARA: Cupa Facility List
Cupa facility list

Date of Government Version: 02/14/2022
Date Data Arrived at EDR: 02/16/2022
Date Made Active in Reports: 05/12/2022
Number of Days to Update: 85

Source: Department of Environmental Health
Telephone: 408-918-1973
Last EDR Contact: 05/12/2022
Next Scheduled EDR Contact: 08/29/2022
Data Release Frequency: Varies

HIST LUST SANTA CLARA: 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

LUST SANTA CLARA: 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: 05/19/2022
Next Scheduled EDR Contact: 09/05/2022
Data Release Frequency: No Update Planned

SAN JOSE HAZMAT: Hazardous Material Facilities
Hazardous material facilities, including underground storage tank sites.

Date of Government Version: 11/03/2020
Date Data Arrived at EDR: 11/05/2020
Date Made Active in Reports: 01/26/2021
Number of Days to Update: 82

Source: City of San Jose Fire Department
Telephone: 408-535-7694
Last EDR Contact: 04/28/2022
Next Scheduled EDR Contact: 08/15/2022
Data Release Frequency: Annually

SANTA CRUZ COUNTY:

CUPA SANTA CRUZ: CUPA Facility List
CUPA facility listing.

Date of Government Version: 01/21/2017
Date Data Arrived at EDR: 02/22/2017
Date Made Active in Reports: 05/23/2017
Number of Days to Update: 90

Source: Santa Cruz County Environmental Health
Telephone: 831-464-2761
Last EDR Contact: 05/12/2022
Next Scheduled EDR Contact: 08/29/2022
Data Release Frequency: Varies

SHASTA COUNTY:

CUPA SHASTA: CUPA Facility List
Cupa Facility List.

Date of Government Version: 06/15/2017
Date Data Arrived at EDR: 06/19/2017
Date Made Active in Reports: 08/09/2017
Number of Days to Update: 51

Source: Shasta County Department of Resource Management
Telephone: 530-225-5789
Last EDR Contact: 05/12/2022
Next Scheduled EDR Contact: 08/29/2022
Data Release Frequency: Varies

SOLANO COUNTY:

LUST SOLANO: Leaking Underground Storage Tanks
A listing of leaking underground storage tank sites located in Solano county.

Date of Government Version: 06/04/2019
Date Data Arrived at EDR: 06/06/2019
Date Made Active in Reports: 08/13/2019
Number of Days to Update: 68

Source: Solano County Department of Environmental Management
Telephone: 707-784-6770
Last EDR Contact: 05/25/2022
Next Scheduled EDR Contact: 09/12/2022
Data Release Frequency: Quarterly

UST SOLANO: Underground Storage Tanks
Underground storage tank sites located in Solano county.

Date of Government Version: 09/15/2021
Date Data Arrived at EDR: 09/16/2021
Date Made Active in Reports: 12/09/2021
Number of Days to Update: 84

Source: Solano County Department of Environmental Management
Telephone: 707-784-6770
Last EDR Contact: 05/25/2022
Next Scheduled EDR Contact: 09/12/2022
Data Release Frequency: Quarterly

SONOMA COUNTY:

CUPA SONOMA: Cupa Facility List
Cupa Facility list

Date of Government Version: 07/02/2021
Date Data Arrived at EDR: 07/06/2021
Date Made Active in Reports: 07/14/2021
Number of Days to Update: 8

Source: County of Sonoma Fire & Emergency Services Department
Telephone: 707-565-1174
Last EDR Contact: 03/16/2022
Next Scheduled EDR Contact: 07/04/2022
Data Release Frequency: Varies

LUST SONOMA: Leaking Underground Storage Tank Sites
A listing of leaking underground storage tank sites located in Sonoma county.

Date of Government Version: 06/30/2021
Date Data Arrived at EDR: 06/30/2021
Date Made Active in Reports: 09/24/2021
Number of Days to Update: 86

Source: Department of Health Services
Telephone: 707-565-6565
Last EDR Contact: 03/16/2022
Next Scheduled EDR Contact: 07/04/2022
Data Release Frequency: Quarterly

STANISLAUS COUNTY:

CUPA STANISLAUS: CUPA Facility List
Cupa facility list

Date of Government Version: 02/08/2022
Date Data Arrived at EDR: 02/10/2022
Date Made Active in Reports: 05/04/2022
Number of Days to Update: 83

Source: Stanislaus County Department of Ennvironmental Protection
Telephone: 209-525-6751
Last EDR Contact: 04/11/2022
Next Scheduled EDR Contact: 07/25/2022
Data Release Frequency: Varies

SUTTER COUNTY:

UST SUTTER: Underground Storage Tanks
Underground storage tank sites located in Sutter county.

Date of Government Version: 11/23/2021
Date Data Arrived at EDR: 11/29/2021
Date Made Active in Reports: 02/11/2022
Number of Days to Update: 74

Source: Sutter County Environmental Health Services
Telephone: 530-822-7500
Last EDR Contact: 05/25/2022
Next Scheduled EDR Contact: 09/12/2022
Data Release Frequency: Semi-Annually

TEHAMA COUNTY:

CUPA TEHAMA: CUPA Facility List
Cupa facilities

Date of Government Version: 01/13/2021
Date Data Arrived at EDR: 01/14/2021
Date Made Active in Reports: 04/06/2021
Number of Days to Update: 82

Source: Tehama County Department of Environmental Health
Telephone: 530-527-8020
Last EDR Contact: 04/28/2022
Next Scheduled EDR Contact: 08/15/2022
Data Release Frequency: Varies

TRINITY COUNTY:

CUPA TRINITY: CUPA Facility List
Cupa facility list

Date of Government Version: 01/13/2022
Date Data Arrived at EDR: 01/14/2022
Date Made Active in Reports: 04/06/2022
Number of Days to Update: 82

Source: Department of Toxic Substances Control
Telephone: 760-352-0381
Last EDR Contact: 04/18/2022
Next Scheduled EDR Contact: 08/01/2022
Data Release Frequency: Varies

TULARE COUNTY:

CUPA TULARE: CUPA Facility List
Cupa program facilities

Date of Government Version: 04/26/2021
Date Data Arrived at EDR: 04/28/2021
Date Made Active in Reports: 07/13/2021
Number of Days to Update: 76

Source: Tulare County Environmental Health Services Division
Telephone: 559-624-7400
Last EDR Contact: 04/14/2022
Next Scheduled EDR Contact: 08/15/2022
Data Release Frequency: Varies

TUOLUMNE COUNTY:

CUPA TUOLUMNE: CUPA Facility List
Cupa facility list

Date of Government Version: 04/23/2018
Date Data Arrived at EDR: 04/25/2018
Date Made Active in Reports: 06/25/2018
Number of Days to Update: 61

Source: Divison of Environmental Health
Telephone: 209-533-5633
Last EDR Contact: 04/14/2022
Next Scheduled EDR Contact: 08/01/2022
Data Release Frequency: Varies

VENTURA COUNTY:

BWT VENTURA: 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: 12/27/2021
Date Data Arrived at EDR: 01/20/2022
Date Made Active in Reports: 04/08/2022
Number of Days to Update: 78

Source: Ventura County Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 04/18/2022
Next Scheduled EDR Contact: 08/01/2022
Data Release Frequency: Quarterly

LF VENTURA: Inventory of Illegal Abandoned and Inactive Sites
Ventura County Inventory of Closed, Illegal Abandoned, and Inactive Sites.

Date of Government Version: 12/01/2011
Date Data Arrived at EDR: 12/01/2011
Date Made Active in Reports: 01/19/2012
Number of Days to Update: 49

Source: Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 03/23/2022
Next Scheduled EDR Contact: 07/11/2022
Data Release Frequency: No Update Planned

LUST VENTURA: Listing of Underground Tank Cleanup Sites
Ventura County Underground Storage Tank Cleanup Sites (LUST).

Date of Government Version: 05/29/2008
Date Data Arrived at EDR: 06/24/2008
Date Made Active in Reports: 07/31/2008
Number of Days to Update: 37

Source: Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 05/04/2022
Next Scheduled EDR Contact: 08/22/2022
Data Release Frequency: No Update Planned

MED WASTE VENTURA: 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: 12/27/2021
Date Data Arrived at EDR: 01/20/2022
Date Made Active in Reports: 04/11/2022
Number of Days to Update: 81

Source: Ventura County Resource Management Agency
Telephone: 805-654-2813
Last EDR Contact: 04/18/2022
Next Scheduled EDR Contact: 08/01/2022
Data Release Frequency: Quarterly

UST VENTURA: Underground Tank Closed Sites List
Ventura County Operating Underground Storage Tank Sites (UST)/Underground Tank Closed Sites List.

Date of Government Version: 02/28/2022
Date Data Arrived at EDR: 03/08/2022
Date Made Active in Reports: 06/02/2022
Number of Days to Update: 86

Source: Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 03/08/2022
Next Scheduled EDR Contact: 06/20/2022
Data Release Frequency: Quarterly

YOLO COUNTY:

UST YOLO: Underground Storage Tank Comprehensive Facility Report
Underground storage tank sites located in Yolo county.

Date of Government Version: 12/27/2021
Date Data Arrived at EDR: 01/04/2022
Date Made Active in Reports: 03/18/2022
Number of Days to Update: 73

Source: Yolo County Department of Health
Telephone: 530-666-8646
Last EDR Contact: 03/24/2022
Next Scheduled EDR Contact: 07/11/2022
Data Release Frequency: Annually

YUBA COUNTY:

CUPA YUBA: CUPA Facility List
CUPA facility listing for Yuba County.

Date of Government Version: 01/26/2022
Date Data Arrived at EDR: 01/27/2022
Date Made Active in Reports: 04/14/2022
Number of Days to Update: 77

Source: Yuba County Environmental Health Department
Telephone: 530-749-7523
Last EDR Contact: 04/21/2022
Next Scheduled EDR Contact: 08/08/2022
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: 12/03/2021
Date Data Arrived at EDR: 02/11/2022
Date Made Active in Reports: 05/06/2022
Number of Days to Update: 84

Source: Department of Energy & Environmental Protection
Telephone: 860-424-3375
Last EDR Contact: 05/09/2022
Next Scheduled EDR Contact: 08/22/2022
Data Release Frequency: No Update Planned

NJ MANIFEST: Manifest Information
Hazardous waste manifest information.

Date of Government Version: 12/31/2018
Date Data Arrived at EDR: 04/10/2019
Date Made Active in Reports: 05/16/2019
Number of Days to Update: 36

Source: Department of Environmental Protection
Telephone: N/A
Last EDR Contact: 04/07/2022
Next Scheduled EDR Contact: 07/18/2022
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: 01/01/2019
Date Data Arrived at EDR: 10/29/2021
Date Made Active in Reports: 01/19/2022
Number of Days to Update: 82

Source: Department of Environmental Conservation
Telephone: 518-402-8651
Last EDR Contact: 04/28/2022
Next Scheduled EDR Contact: 08/08/2022
Data Release Frequency: Quarterly

PA MANIFEST: Manifest Information
Hazardous waste manifest information.

Date of Government Version: 06/30/2018
Date Data Arrived at EDR: 07/19/2019
Date Made Active in Reports: 09/10/2019
Number of Days to Update: 53

Source: Department of Environmental Protection
Telephone: 717-783-8990
Last EDR Contact: 04/08/2022
Next Scheduled EDR Contact: 07/25/2022
Data Release Frequency: Annually

RI MANIFEST: Manifest information
Hazardous waste manifest information

Date of Government Version: 12/31/2020
Date Data Arrived at EDR: 11/30/2021
Date Made Active in Reports: 02/18/2022
Number of Days to Update: 80

Source: Department of Environmental Management
Telephone: 401-222-2797
Last EDR Contact: 05/16/2022
Next Scheduled EDR Contact: 08/29/2022
Data Release Frequency: Annually

WI MANIFEST: Manifest Information
Hazardous waste manifest information.

Date of Government Version: 05/31/2018
Date Data Arrived at EDR: 06/19/2019
Date Made Active in Reports: 09/03/2019
Number of Days to Update: 76

Source: Department of Natural Resources
Telephone: N/A
Last EDR Contact: 06/03/2022
Next Scheduled EDR Contact: 09/19/2022
Data Release Frequency: Annually

Oil/Gas Pipelines
Source: Endeavor Business Media
Petroleum Bundle (Crude Oil, Refined Products, Petrochemicals, Gas Liquids (LPG/NGL), and Specialty Gases (Miscellaneous)) N = Natural Gas Bundle (Natural Gas, Gas Liquids (LPG/NGL), and Specialty Gases (Miscellaneous)). This map includes information copyrighted by Endeavor Business Media. This information is provided on a best effort basis and Endeavor Business Media does not guarantee its accuracy nor warrant its fitness for any particular purpose. Such information has been reprinted with the permission of Endeavor Business Media.

Electric Power Transmission Line Data
Source: Endeavor Business Media
This map includes information copyrighted by Endeavor Business Media. This information is provided on a best effort basis and Endeavor Business Media does not guarantee its accuracy nor warrant its fitness for any particular purpose. Such information has been reprinted with the permission of Endeavor Business Media.

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 was obtained from the Federal Emergency Management Agency (FEMA). It depicts 100-year and 500-year flood zones as defined by FEMA. It includes the National Flood Hazard Layer (NFHL) which incorporates Flood Insurance Rate Map (FIRM) data and Q3 data from FEMA in areas not covered by NFHL.
Source: FEMA
Telephone: 877-336-2627
Date of Government Version: 2003, 2015

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.

State Wetlands Data: Wetland Inventory
Source: Department of Fish and Wildlife
Telephone: 916-445-0411

Current USGS 7.5 Minute Topographic Map
Source: U.S. Geological Survey

STREET AND ADDRESS INFORMATION

Â© 2015 TomTom North America, Inc. All rights reserved. This material is proprietary and the subject of copyright protection and other intellectual property rights owned by or licensed to Tele Atlas North America, Inc. The use of this material is subject to the terms of a license agreement. You will be held liable for any unauthorized copying or disclosure of this material.

GEOCHECK ®- PHYSICAL SETTING SOURCE ADDENDUM

TARGET PROPERTY ADDRESS

PROPOSED JEFFERSON FONTANA MIXED-USE RESIDENTIAL
SW OF THE INTERSECTION JUNIPER AVE AND VALLEY BLVD
FONTANA, CA 92335

TARGET PROPERTY COORDINATES

Latitude (North):	34.06933 - 34ˆ 4’ 9.59’’
Longitude (West):	117.441261 - 117ˆ 26’ 28.54’’
Universal Tranverse Mercator:	Zone 11
UTM X (Meters):	459282.6
UTM Y (Meters):	3769736.2
Elevation:	1115 ft. above sea level

USGS TOPOGRAPHIC MAP

Target Property Map:	12015969 FONTANA, CA
Version Date:	2018

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 principle 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).

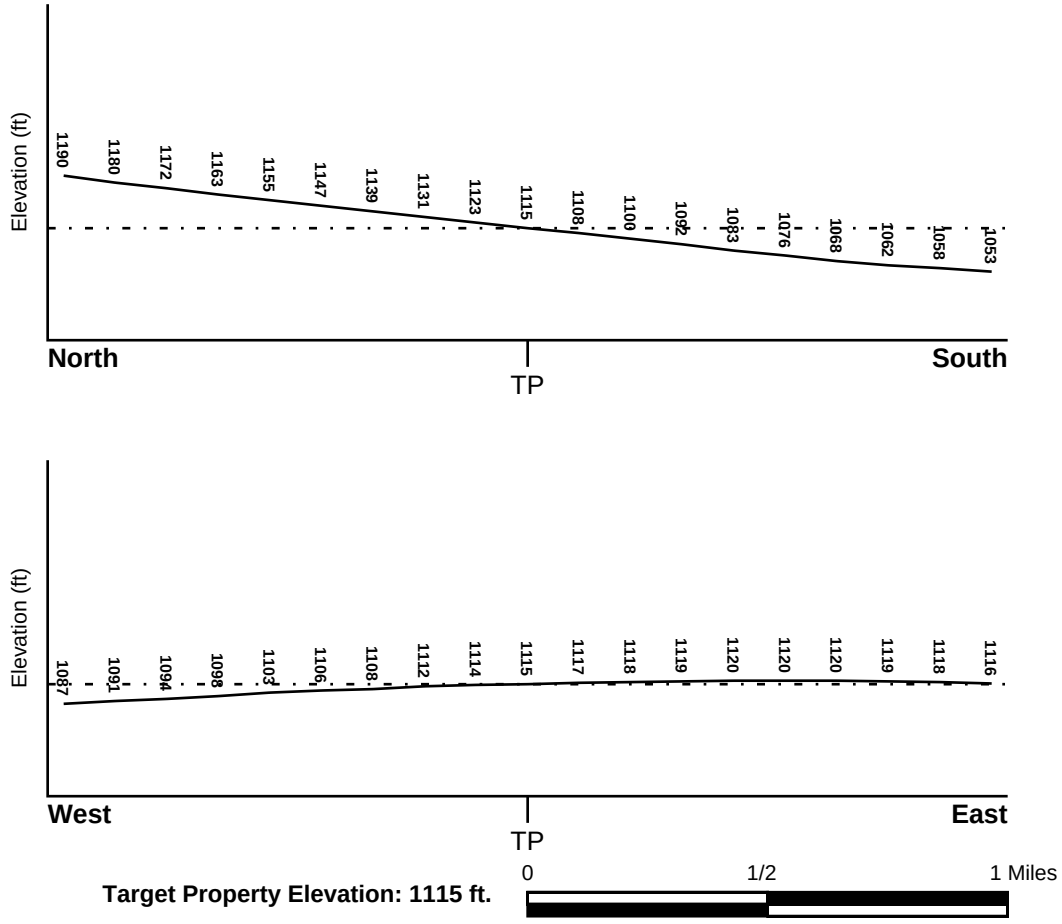
TOPOGRAPHIC INFORMATION

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

Flood Plain Panel at Target Property	FEMA Source Type
06071C8654H	FEMA FIRM Flood data

Additional Panels in search area:	FEMA Source Type
06071C8658H	FEMA FIRM Flood data
06071C8665H	FEMA FIRM Flood data
06071C8666H	FEMA FIRM Flood data

NATIONAL WETLAND INVENTORY

NWI Quad at Target Property	NWI Electronic Data Coverage
FONTANA	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
Status:	Not found

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.

MAP ID	LOCATION FROM TP	GENERAL DIRECTION GROUNDWATER FLOW
Not Reported		

* ©1996 Site−specific hydrogeological data gathered by CERCLIS Alerts, Inc., Bainbridge Island, WA. All rights reserved. All of the information and opinions presented are those of the cited EPA report(s), which were completed under a Comprehensive Environmental Response Compensation and Liability Information System (CERCLIS) investigation.

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

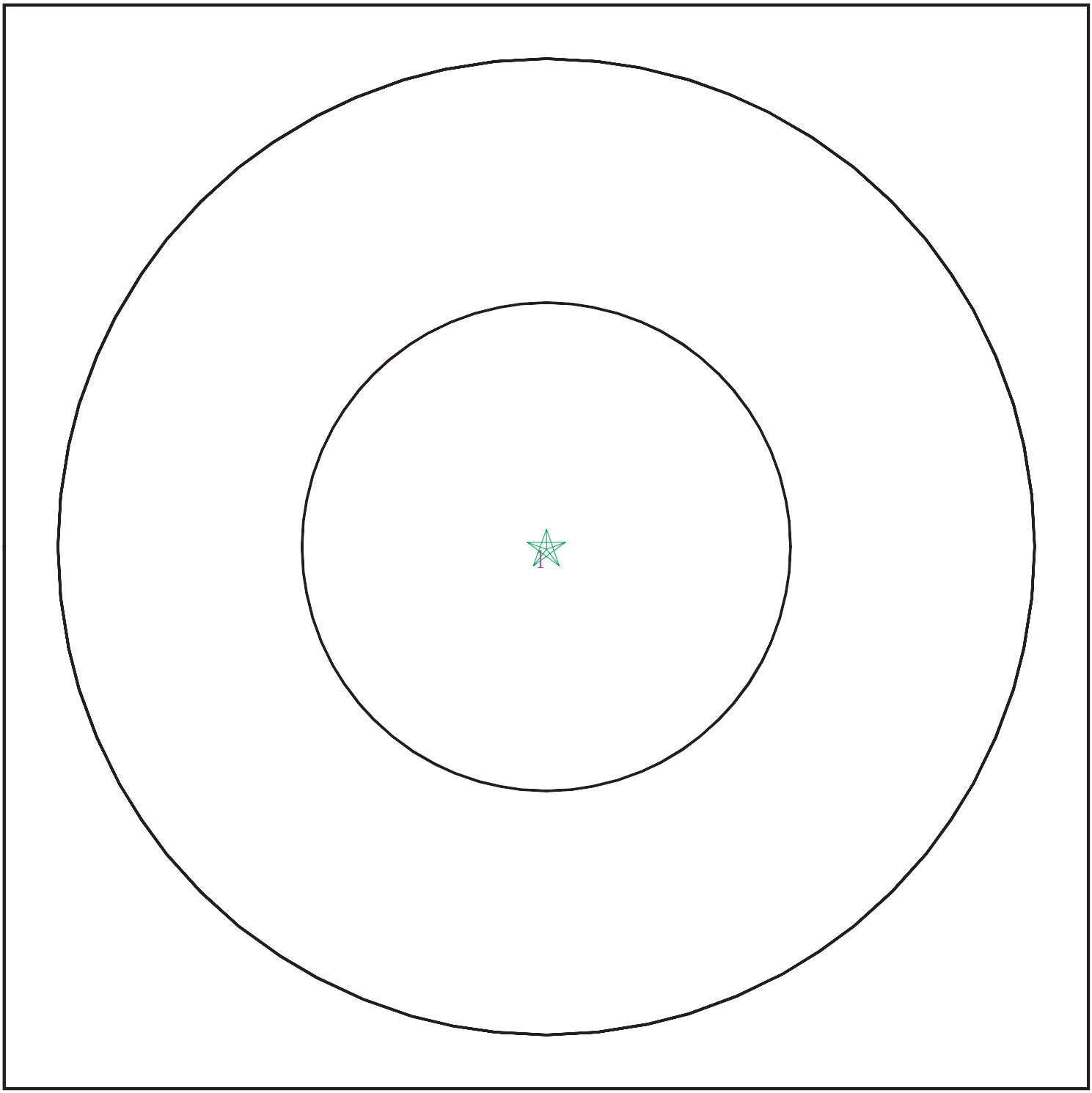
Era:	Cenozoic
System:	Quaternary
Series:	Quaternary
Code:	Q *(decoded above as Era, System & Series)*

GEOLOGIC AGE IDENTIFICATION

Category: Stratifed 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).

SSURGO SOIL MAP - 7009041.2s



Target Property
SSURGO Soil
Water

0 1/16 1/8 1/4 Miles

N

SITE NAME:	Proposed Jefferson Fontana Mixed-Use Residential	CLIENT:	Leighton and Associates, Inc.
ADDRESS:	SW of The Intersection Juniper Ave and Valley Blvd Fontana CA 92335	CONTACT:	Tracy Roberts
LAT/LONG:	34.06933 / 117.441261	INQUIRY #:	7009041.2s
		DATE:	June 07, 2022 2:39 pm

Copyright © 2022 EDR, Inc. © 2015 TomTom Rel. 2015.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

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. The following information is based on Soil Conservation Service SSURGO data.

Soil Map ID: 1

Soil Component Name: TUJUNGA

Soil Surface Texture: gravelly loamy sand

Hydrologic Group: Class A - High infiltration rates. Soils are deep, well drained to excessively drained sands and gravels.

Soil Drainage Class: Somewhat excessively drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Moderate

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	18 inches	gravelly loamy sand	Granular materials (35 pct. or less passing No. 200), Stone Fragments, Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 141 Min: 42	Max: 7.8 Min: 6.1
2	18 inches	59 inches	loamy sand	Granular materials (35 pct. or less passing No. 200), Stone Fragments, Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 141 Min: 42	Max: 7.8 Min: 6.1

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

DATABASE	SEARCH DISTANCE (miles)
Federal USGS	1.000
Federal FRDS PWS	Nearest PWS within 1 mile
State Database	1.000

FEDERAL USGS WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
A2	USGS40000140409	1/4 - 1/2 Mile SSE
C8	USGS40000140688	1/2 - 1 Mile NNE
F17	USGS40000140230	1/2 - 1 Mile South

FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

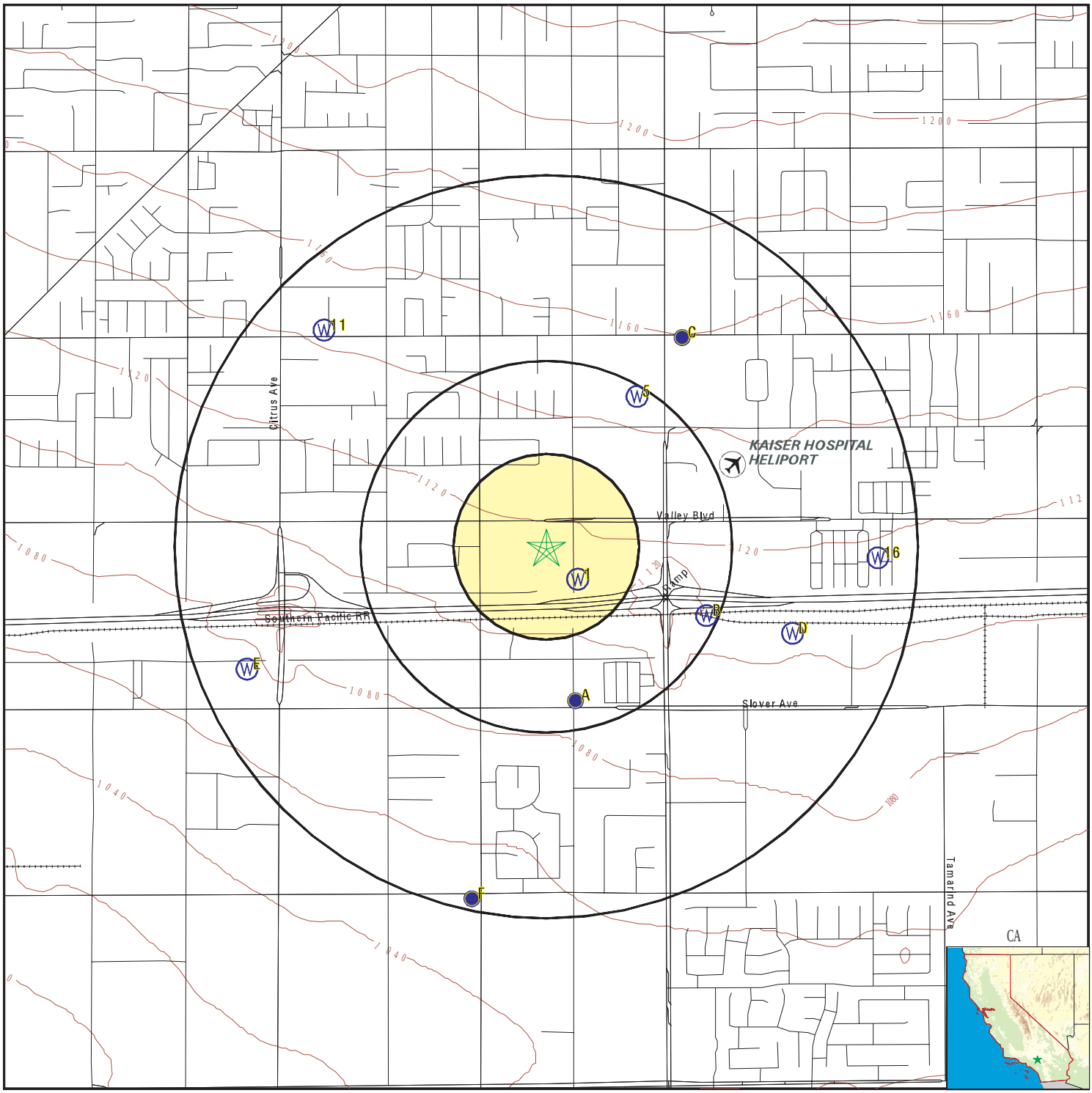
MAP ID	WELL ID	LOCATION FROM TP
No PWS System Found		

Note: PWS System location is not always the same as well location.

STATE DATABASE WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
1	999	0 - 1/8 Mile SE
A3	CADWR0000007162	1/4 - 1/2 Mile South
B4	1000	1/4 - 1/2 Mile ESE
5	CADWR0000031376	1/4 - 1/2 Mile NNE
B6	CADDW0000004008	1/4 - 1/2 Mile ESE
C7	CADWR0000036129	1/2 - 1 Mile NNE
D9	CADWR9000006585	1/2 - 1 Mile ESE
D10	CADDW0000010596	1/2 - 1 Mile ESE
11	998	1/2 - 1 Mile NW
E12	CADWR9000006580	1/2 - 1 Mile WSW
E13	CADDW0000020349	1/2 - 1 Mile WSW
E14	CAUSGSN00008671	1/2 - 1 Mile WSW
E15	CAUSGS000002518	1/2 - 1 Mile WSW
16	CADPR0000004722	1/2 - 1 Mile East
F18	CADWR9000006540	1/2 - 1 Mile SSW

PHYSICAL SETTING SOURCE MAP - 7009041.2s



- 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
- GI Indeterminate Groundwater Flow at Location
- GV Groundwater Flow Varies at Location
- HD Closest Hydrogeological Data
- Oil, gas or related wells

SITE NAME:	Proposed Jefferson Fontana Mixed-Use Residential	CLIENT:	Leighton and Associates, Inc.
ADDRESS:	SW of The Intersection Juniper Ave and Valley Blvd Fontana CA 92335	CONTACT:	Tracy Roberts
LAT/LONG:	34.06933 / 117.441261	INQUIRY #:	7009041.2s
		DATE:	June 07, 2022 2:39 pm

Copyright © 2022 EDR, Inc. © 2015 TomTom Rel. 2015.

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

1
SE
0 - 1/8 Mile
Lower

CA WELLS **999**

Seq:	999	Prim sta c:	01S/05W-19J01 S
Frds no:	3610041008	County:	36
District:	13	User id:	TAN
System no:	3610041	Water type:	G
Source nam:	WELL 07 - INACTIVE	Station ty:	WELL/AMBNT
Latitude:	340405.0	Longitude:	1172620.0
Precision:	2	Status:	IU
Comment 1:	Not Reported	Comment 2:	Not Reported
Comment 3:	Not Reported	Comment 4:	Not Reported
Comment 5:	Not Reported	Comment 6:	Not Reported
Comment 7:	Not Reported		

System no:	3610041	System nam:	San Gabriel Valley Wc - Fontana
Hqname:	SAN GABRIEL VALLEY WATER CO	Address:	P.O. BOX 987
City:	FONTANA	State:	CA
Zip:	92334	Zip ext:	Not Reported
Pop serv:	102599	Connection:	29314
Area serve:	FONTANA		

A2
SSE
1/4 - 1/2 Mile
Lower

FED USGS **USGS40000140409**

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	001S005W19J001S	Type:	Well
Description:	Not Reported	HUC:	18070203
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	California Coastal Basin aquifers		
Formation Type:	Not Reported	Aquifer Type:	Not Reported
Construction Date:	19240919	Well Depth:	Not Reported
Well Depth Units:	Not Reported	Well Hole Depth:	761
Well Hole Depth Units:	ft		

Ground water levels,Number of Measurements:	11	Level reading date:	1989-11-30
Feet below surface:	338.97	Feet to sea level:	Not Reported
Note:	Not Reported		

Level reading date:	1988-06-29	Feet below surface:	336.37
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1987-12-11	Feet below surface:	337.05
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1987-08-12	Feet below surface:	337.14
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1973-03-01	Feet below surface:	359.7
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1972-03-03	Feet below surface:	359.7

Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1972-01-01	Feet below surface:	359.7
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1971-10-04	Feet below surface:	359.7
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1971-07-02	Feet below surface:	359.7
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1955-10-20	Feet below surface:	336.25
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1928-04-02	Feet below surface:	281.6
Feet to sea level:	Not Reported	Note:	Not Reported

A3
South **CA WELLS** **CADWR0000007162**
1/4 - 1/2 Mile
Lower

Well ID:	01S05W19J001S	Well Type:	UNK
Source:	Department of Water Resources		
Other Name:	01S05W19J001S	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_date=&global_id=&assigned_name=01S05W19J001S&store_num=		
GeoTracker Data:	Not Reported		

B4
ESE **CA WELLS** **1000**
1/4 - 1/2 Mile
Higher

Seq:	1000	Prim sta c:	01S/05W-20D01 S
Frds no:	3610028001	County:	36
District:	13	User id:	TAN
System no:	3610028	Water type:	G
Source nam:	WELL 02 - INACTIVE	Station ty:	WELL/AMBNT/MUN/INTAKE/SUPPLY
Latitude:	340400.0	Longitude:	1172600.0
Precision:	8	Status:	IR
Comment 1:	Not Reported	Comment 2:	Not Reported
Comment 3:	Not Reported	Comment 4:	Not Reported
Comment 5:	Not Reported	Comment 6:	Not Reported
Comment 7:	Not Reported		
System no:	3610028	System nam:	Marygold Mwc
Hqname:	Not Reported	Address:	9715 ALDER AVE
City:	BLOOMINGTON	State:	CA
Zip:	92316	Zip ext:	Not Reported
Pop serv:	6800	Connection:	873
Area serve:	BLOOMINGTON		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

5
NNE
1/4 - 1/2 Mile
Higher

CA WELLS **CADWR0000031376**

Well ID:	01S05W19A001S	Well Type:	UNK
Source:	Department of Water Resources		
Other Name:	01S05W19A001S	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_date=&global_id=&assigned_name=01S05W19A001S&store_num=		
GeoTracker Data:	Not Reported		

B6
ESE
1/4 - 1/2 Mile
Lower

CA WELLS **CADDW0000004008**

Well ID:	3610028-001	Well Type:	MUNICIPAL
Source:	Department of Health Services		
Other Name:	WELL 02 - INACTIVE	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DHS&samp_date=&global_id=&assigned_name=3610028-001&store_num=		
GeoTracker Data:	Not Reported		

C7
NNE
1/2 - 1 Mile
Higher

CA WELLS **CADWR0000036129**

Well ID:	01S05W20D001S	Well Type:	UNK
Source:	Department of Water Resources		
Other Name:	01S05W20D001S	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_date=&global_id=&assigned_name=01S05W20D001S&store_num=		
GeoTracker Data:	Not Reported		

C8
NNE
1/2 - 1 Mile
Higher

FED USGS **USGS40000140688**

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	001S005W20D001S	Type:	Well
Description:	Not Reported	HUC:	18070203
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	California Coastal Basin aquifers		
Formation Type:	Not Reported	Aquifer Type:	Not Reported
Construction Date:	Not Reported	Well Depth:	510
Well Depth Units:	ft	Well Hole Depth:	510
Well Hole Depth Units:	ft		

Ground water levels,Number of Measurements:	39	Level reading date:	1992-10-27
Feet below surface:	Not Reported	Feet to sea level:	Not Reported
Note:	An obstruction was encountered in the well above the water surface (no water level recorded).		
Level reading date:	1992-06-16	Feet below surface:	388.50
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1991-12-05	Feet below surface:	390.89
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1991-06-19	Feet below surface:	385.50
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1990-11-28	Feet below surface:	385.70
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1989-11-27	Feet below surface:	382.63
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1989-09-18	Feet below surface:	381.99
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-06-30	Feet below surface:	380.37
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1987-12-11	Feet below surface:	381.14
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1986-06-26	Feet below surface:	Not Reported
Feet to sea level:	Not Reported	Note:	The site was being pumped.
Level reading date:	1986-03-24	Feet below surface:	396.75
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1964-02-19	Feet below surface:	283.45
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1960-09-06	Feet below surface:	376.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1960-03-11	Feet below surface:	385.7
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1959-12-01	Feet below surface:	389.3
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1956-11-27	Feet below surface:	373.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1953-03-24	Feet below surface:	352.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1949-04-07	Feet below surface:	345.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1949-01-13	Feet below surface:	345.9
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1948-03-23	Feet below surface:	343.9
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1947-12-03	Feet below surface:	345.5

Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1947-03-17	Feet below surface:	344.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1946-11-26	Feet below surface:	346.4
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1945-12-31	Feet below surface:	349.9
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1945-03-19	Feet below surface:	347.1
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1944-11-29	Feet below surface:	352.6
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1944-04-29	Feet below surface:	448.3
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1944-01-07	Feet below surface:	352.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1943-01-15	Feet below surface:	351.4
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1940-02-02	Feet below surface:	349.9
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1939-04-17	Feet below surface:	349.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1938-02-20	Feet below surface:	348.9
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1935-01-28	Feet below surface:	343
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1934-12-22	Feet below surface:	343
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1934-03-15	Feet below surface:	343
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1933-01-28	Feet below surface:	339.6
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1932-03-02	Feet below surface:	339.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1932-02-04	Feet below surface:	340.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1931-12-18	Feet below surface:	341.0
Feet to sea level:	Not Reported	Note:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

D9
ESE
1/2 - 1 Mile
Lower

CA WELLS **CADWR9000006585**

State Well #:	01S05W20N001S	Station ID:	48053
Well Name:	CHINO-1002109	Basin Name:	Chino
Well Use:	Residential	Well Type:	Single Well
Well Depth:	684	Well Completion Rpt #:	Not Reported

D10
ESE
1/2 - 1 Mile
Lower

CA WELLS **CADDW0000010596**

Well ID:	3610004-028	Well Type:	MUNICIPAL
Source:	Department of Health Services		
Other Name:	WELL 37 - INACTIVE	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DHS&samp_date=&global_id=&assigned_name=3610004-028&store_num=		
GeoTracker Data:	Not Reported		

11
NW
1/2 - 1 Mile
Higher

CA WELLS **998**

Seq:	998	Prim sta c:	01S/05W-19D01 S
Frds no:	3610041012	County:	36
District:	13	User id:	TAN
System no:	3610041	Water type:	G
Source nam:	WELL 14 - INACTIVE	Station ty:	WELL/AMBNT
Latitude:	340440.0	Longitude:	1172703.0
Precision:	2	Status:	IU
Comment 1:	Not Reported	Comment 2:	Not Reported
Comment 3:	Not Reported	Comment 4:	Not Reported
Comment 5:	Not Reported	Comment 6:	Not Reported
Comment 7:	Not Reported		

System no:	3610041	System nam:	San Gabriel Valley Wc - Fontana
Hqname:	SAN GABRIEL VALLEY WATER CO	Address:	P.O. BOX 987
City:	FONTANA	State:	CA
Zip:	92334	Zip ext:	Not Reported
Pop serv:	102599	Connection:	29314
Area serve:	FONTANA		

E12
WSW
1/2 - 1 Mile
Lower

CA WELLS **CADWR9000006580**

State Well #:	01S06W24R001S	Station ID:	48056
Well Name:	CHINO-1002239	Basin Name:	Chino
Well Use:	Residential	Well Type:	Single Well
Well Depth:	770	Well Completion Rpt #:	355448

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

E13
WSW
1/2 - 1 Mile
Lower

CA WELLS **CADDW0000020349**

Well ID:	3610041-037	Well Type:	MUNICIPAL
Source:	Department of Health Services		
Other Name:	WELL F-23A	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DHS&samp_date=&global_id=&assigned_name=3610041-037&store_num=		
GeoTracker Data:	Not Reported		

E14
WSW
1/2 - 1 Mile
Lower

CA WELLS **CAUSGSN00008671**

Well ID:	USGS-340300117270001	Well Type:	UNK
Source:	United States Geological Survey		
Other Name:	USGS-340300117270001	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=USGSNEW&samp_date=&global_id=&assigned_name=USGS-340300117270001&store_num=		
GeoTracker Data:	Not Reported		

E15
WSW
1/2 - 1 Mile
Lower

CA WELLS **CAUSGS000002518**

16
East
1/2 - 1 Mile
Higher

CA WELLS **CADPR0000004722**

Well ID:	78193	Well Type:	UNK
Source:	Department of Pesticide Regulation		
Other Name:	78193	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DPR&samp_date=&global_id=&assigned_name=78193&store_num=		
GeoTracker Data:	Not Reported		

F17
South
1/2 - 1 Mile
Lower

FED USGS **USGS40000140230**

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	001S005W30L001S	Type:	Well
Description:	Not Reported	HUC:	18070203
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	California Coastal Basin aquifers		

Formation Type:	Not Reported	Aquifer Type:	Not Reported
Construction Date:	Not Reported	Well Depth:	Not Reported
Well Depth Units:	Not Reported	Well Hole Depth:	492
Well Hole Depth Units:	ft		

Ground water levels,Number of Measurements:	448	Level reading date:	2004-10-26
Feet below surface:	310.30	Feet to sea level:	Not Reported
Note:	Not Reported		

Level reading date:	2004-04-19	Feet below surface:	308.02
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2003-10-21	Feet below surface:	306.44
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2003-04-22	Feet below surface:	304.66
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2002-10-30	Feet below surface:	303.13
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2002-04-10	Feet below surface:	300.54
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2001-10-24	Feet below surface:	298.41
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2001-04-17	Feet below surface:	296.10
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2000-10-23	Feet below surface:	295.97
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2000-04-18	Feet below surface:	294.13
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1999-10-21	Feet below surface:	293.16
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1999-04-13	Feet below surface:	291.43
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1998-10-20	Feet below surface:	292.59
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1998-04-15	Feet below surface:	291.20
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1997-10-29	Feet below surface:	292.13
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1997-04-17	Feet below surface:	290.95
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1996-10-09	Feet below surface:	291.44
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1996-04-24	Feet below surface:	290.33
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1995-10-26	Feet below surface:	291.73

Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1995-04-21	Feet below surface:	290.78
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1994-10-28	Feet below surface:	290.80
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1994-04-18	Feet below surface:	290.50
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1993-10-18	Feet below surface:	290.96
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1993-04-15	Feet below surface:	288.97
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1992-10-27	Feet below surface:	288.68
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1992-06-15	Feet below surface:	288.06
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1991-12-05	Feet below surface:	287.55
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1991-06-19	Feet below surface:	286.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1990-11-28	Feet below surface:	284.93
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1990-06-27	Feet below surface:	282.24
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1989-11-27	Feet below surface:	282.86
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1989-09-18	Feet below surface:	282.30
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-11-23	Feet below surface:	281.86
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-06-30	Feet below surface:	281.22
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1987-12-11	Feet below surface:	281.75
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1987-05-04	Feet below surface:	279.3
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1987-03-03	Feet below surface:	285.4
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1986-12-30	Feet below surface:	285.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1986-09-30	Feet below surface:	286.4
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1986-06-30	Feet below surface:	286.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1986-06-26	Feet below surface:	289.66
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1986-04-01	Feet below surface:	286.4
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1986-01-29	Feet below surface:	285.70
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1986-01-06	Feet below surface:	287.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1985-08-30	Feet below surface:	288.4
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1985-06-26	Feet below surface:	289.9
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1985-03-29	Feet below surface:	292.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1984-12-27	Feet below surface:	292.7
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1984-04-03	Feet below surface:	296.3
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1983-10-04	Feet below surface:	298.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1983-07-20	Feet below surface:	299.3
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1983-07-01	Feet below surface:	299.3
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1983-05-31	Feet below surface:	299.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1983-01-04	Feet below surface:	300.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1982-10-01	Feet below surface:	296.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1982-07-06	Feet below surface:	304.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1982-04-05	Feet below surface:	303.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1982-03-31	Feet below surface:	305.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1981-12-30	Feet below surface:	303.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1981-10-01	Feet below surface:	301.8
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1981-04-01	Feet below surface:	304.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1980-09-03	Feet below surface:	307.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1980-06-02	Feet below surface:	307.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1980-04-10	Feet below surface:	305.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1980-03-03	Feet below surface:	306.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1979-12-03	Feet below surface:	305.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1979-11-02	Feet below surface:	307.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1979-10-01	Feet below surface:	310.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1979-09-05	Feet below surface:	309.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1979-08-07	Feet below surface:	309.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1979-07-06	Feet below surface:	308.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1979-06-04	Feet below surface:	306.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1979-05-02	Feet below surface:	307.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1979-04-03	Feet below surface:	306.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1979-03-01	Feet below surface:	306.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1979-02-01	Feet below surface:	308.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1979-01-02	Feet below surface:	309.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1978-12-31	Feet below surface:	307.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1978-12-06	Feet below surface:	308.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1978-11-02	Feet below surface:	310.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1978-10-03	Feet below surface:	311.8
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1978-09-06	Feet below surface:	309.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1978-08-01	Feet below surface:	305.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1978-07-01	Feet below surface:	305.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1978-06-01	Feet below surface:	304.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1978-05-01	Feet below surface:	305.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1978-04-01	Feet below surface:	305.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1978-03-01	Feet below surface:	305.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1978-02-01	Feet below surface:	305.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1978-01-01	Feet below surface:	304.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1977-12-01	Feet below surface:	304.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1977-11-01	Feet below surface:	304.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1977-10-01	Feet below surface:	305.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1977-09-01	Feet below surface:	305.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1977-08-01	Feet below surface:	305.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1977-07-01	Feet below surface:	304.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1977-06-01	Feet below surface:	304.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1977-05-01	Feet below surface:	304.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1977-04-01	Feet below surface:	304.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1977-03-01	Feet below surface:	305.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1977-02-01	Feet below surface:	304.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1977-01-05	Feet below surface:	304.8
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1976-11-01	Feet below surface:	305.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1976-10-01	Feet below surface:	305.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1976-09-01	Feet below surface:	305.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1976-08-01	Feet below surface:	305.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1976-06-01	Feet below surface:	302.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1976-03-01	Feet below surface:	302.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1975-12-01	Feet below surface:	302.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1975-09-01	Feet below surface:	300.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1975-06-01	Feet below surface:	301.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1975-03-01	Feet below surface:	302.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1974-12-01	Feet below surface:	302.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1973-09-01	Feet below surface:	300.3
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1973-06-01	Feet below surface:	297.1
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1973-03-01	Feet below surface:	297.3
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1972-12-01	Feet below surface:	297.6
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1972-11-01	Feet below surface:	297.3
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1972-10-01	Feet below surface:	298.4
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1972-09-01	Feet below surface:	297.6
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1972-08-03	Feet below surface:	297.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1972-06-05	Feet below surface:	298.3
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1972-05-02	Feet below surface:	298.8
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1972-03-03	Feet below surface:	298.3
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1972-01-01	Feet below surface:	298.3
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1971-10-04	Feet below surface:	298.3
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1971-07-02	Feet below surface:	297.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1971-03-02	Feet below surface:	298.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1970-12-01	Feet below surface:	298.3
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1970-09-02	Feet below surface:	297.7
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1970-06-03	Feet below surface:	296.6
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1970-03-04	Feet below surface:	297.1
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1969-12-03	Feet below surface:	296.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1969-09-04	Feet below surface:	296.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1969-07-03	Feet below surface:	296.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1969-06-04	Feet below surface:	296.3
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1969-03-05	Feet below surface:	295.7
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-12-01	Feet below surface:	295.3
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-09-03	Feet below surface:	294.4
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-06-03	Feet below surface:	294.3
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-03-04	Feet below surface:	294.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-12-01	Feet below surface:	294.1
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-09-05	Feet below surface:	294.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-06-02	Feet below surface:	293.3
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1967-03-02	Feet below surface:	292.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1966-12-06	Feet below surface:	291.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1965-06-01	Feet below surface:	286.6
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1965-03-01	Feet below surface:	285.1
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1964-12-01	Feet below surface:	283.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1964-08-01	Feet below surface:	282.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1964-06-03	Feet below surface:	281.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1964-03-05	Feet below surface:	280.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1963-11-29	Feet below surface:	277.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1963-09-03	Feet below surface:	277.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1963-06-04	Feet below surface:	277.6
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1963-03-05	Feet below surface:	279.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1962-12-04	Feet below surface:	275.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1962-08-30	Feet below surface:	274.4
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1962-06-01	Feet below surface:	273.4
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1962-03-01	Feet below surface:	272.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1961-12-01	Feet below surface:	271.33
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1961-09-01	Feet below surface:	270.6
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1961-06-08	Feet below surface:	269.4
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1961-03-06	Feet below surface:	267.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1960-12-08	Feet below surface:	267.6
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1960-09-08	Feet below surface:	267.1
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1960-06-03	Feet below surface:	265.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1960-03-03	Feet below surface:	265.3
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1959-12-03	Feet below surface:	264.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1959-09-01	Feet below surface:	264.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1959-06-06	Feet below surface:	263.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1959-03-05	Feet below surface:	263.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1958-12-04	Feet below surface:	262.7
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1958-08-29	Feet below surface:	262.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1958-06-05	Feet below surface:	261.7
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1958-05-05	Feet below surface:	262.1
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1958-04-08	Feet below surface:	261.4
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1958-03-07	Feet below surface:	261.7
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1958-03-03	Feet below surface:	259.6
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1958-01-02	Feet below surface:	260.1
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1957-12-04	Feet below surface:	261.1
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1957-11-04	Feet below surface:	260.1
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1957-10-01	Feet below surface:	259.7
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1957-09-03	Feet below surface:	259.6
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1957-08-30	Feet below surface:	260.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1957-08-02	Feet below surface:	259.3
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date: 1957-07-02
Feet to sea level: Not Reported
Feet below surface: 259.5
Note: Not Reported

Level reading date: 1957-06-04
Feet to sea level: Not Reported
Feet below surface: 260.2
Note: Not Reported

Level reading date: 1957-05-30
Feet to sea level: Not Reported
Feet below surface: 258.6
Note: Not Reported

Level reading date: 1957-05-01
Feet to sea level: Not Reported
Feet below surface: 260.0
Note: Not Reported

Level reading date: 1957-04-02
Feet to sea level: Not Reported
Feet below surface: 258.5
Note: Not Reported

Level reading date: 1957-03-05
Feet to sea level: Not Reported
Feet below surface: 258.1
Note: Not Reported

Level reading date: 1957-02-05
Feet to sea level: Not Reported
Feet below surface: 258.3
Note: Not Reported

Level reading date: 1957-01-03
Feet to sea level: Not Reported
Feet below surface: 258.4
Note: Not Reported

Level reading date: 1956-12-06
Feet to sea level: Not Reported
Feet below surface: 257.9
Note: Not Reported

Level reading date: 1956-12-03
Feet to sea level: Not Reported
Feet below surface: 262.0
Note: Not Reported

Level reading date: 1956-11-02
Feet to sea level: Not Reported
Feet below surface: 251.4
Note: Not Reported

Level reading date: 1956-09-07
Feet to sea level: Not Reported
Feet below surface: 257.3
Note: Not Reported

Level reading date: 1956-09-05
Feet to sea level: Not Reported
Feet below surface: 266.4
Note: Not Reported

Level reading date: 1956-08-02
Feet to sea level: Not Reported
Feet below surface: 267.4
Note: Not Reported

Level reading date: 1956-07-09
Feet to sea level: Not Reported
Feet below surface: 265.8
Note: Not Reported

Level reading date: 1956-06-05
Feet to sea level: Not Reported
Feet below surface: 256.1
Note: Not Reported

Level reading date: 1956-06-01
Feet to sea level: Not Reported
Feet below surface: 257.3
Note: Not Reported

Level reading date: 1956-05-07
Feet to sea level: Not Reported
Feet below surface: 266.1
Note: Not Reported

Level reading date: 1956-03-29
Feet to sea level: Not Reported
Feet below surface: 269.4
Note: Not Reported

Level reading date: 1956-03-03
Feet to sea level: Not Reported
Feet below surface: 255.3
Note: Not Reported

Level reading date: 1956-02-02
Feet to sea level: Not Reported
Feet below surface: 262.3
Note: Not Reported

Level reading date:	1956-01-03	Feet below surface:	267.4
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1955-12-05	Feet below surface:	251.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1955-12-02	Feet below surface:	262.4
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1955-11-01	Feet below surface:	268.7
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1955-10-03	Feet below surface:	267.9
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1955-09-09	Feet below surface:	251.4
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1955-09-06	Feet below surface:	261.4
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1955-08-02	Feet below surface:	250.4
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1955-07-05	Feet below surface:	254.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1955-06-01	Feet below surface:	250.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1955-05-04	Feet below surface:	253.4
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1955-03-30	Feet below surface:	253.4
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1955-03-02	Feet below surface:	253.1
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1955-03-01	Feet below surface:	253.4
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1955-02-10	Feet below surface:	253.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1954-12-03	Feet below surface:	253.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1954-12-02	Feet below surface:	251.7
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1954-12-01	Feet below surface:	253.3
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1954-11-01	Feet below surface:	253.1
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1954-10-01	Feet below surface:	252.9
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1954-09-02	Feet below surface:	253.0
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1954-08-31	Feet below surface:	252.7
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1954-08-02	Feet below surface:	255.4
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1954-07-01	Feet below surface:	252.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1954-06-03	Feet below surface:	252.3
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1954-05-03	Feet below surface:	253.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1954-04-02	Feet below surface:	251.7
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1954-03-01	Feet below surface:	251.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1954-02-01	Feet below surface:	251.9
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1954-01-07	Feet below surface:	252.3
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1953-11-04	Feet below surface:	251.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1953-09-30	Feet below surface:	251.6
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1953-09-09	Feet below surface:	251.4
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1953-08-04	Feet below surface:	251.7
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1953-07-02	Feet below surface:	260.7
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1953-06-15	Feet below surface:	250.6
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1953-06-01	Feet below surface:	254.7
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1953-05-04	Feet below surface:	255.6
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1953-04-03	Feet below surface:	250.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1953-03-10	Feet below surface:	250.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1953-03-02	Feet below surface:	250.7
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1953-02-13	Feet below surface:	250.2
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1953-02-02	Feet below surface:	250.7
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1953-01-08	Feet below surface:	250.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1952-12-12	Feet below surface:	250.4
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1952-10-31	Feet below surface:	254.6
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1952-10-03	Feet below surface:	251.7
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1952-09-12	Feet below surface:	250.4
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1952-09-04	Feet below surface:	250.4
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1952-08-01	Feet below surface:	250.4
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1952-07-07	Feet below surface:	249.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1952-06-10	Feet below surface:	249.7
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1952-06-05	Feet below surface:	249.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1952-05-05	Feet below surface:	249.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1952-04-12	Feet below surface:	249.7
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1952-03-04	Feet below surface:	249.9
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1952-02-12	Feet below surface:	249.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1951-12-05	Feet below surface:	249.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1951-11-02	Feet below surface:	249.6
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1951-10-01	Feet below surface:	251.1
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1951-09-03	Feet below surface:	249.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1951-08-02	Feet below surface:	249.1
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1951-07-05	Feet below surface:	249.5
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1951-06-01	Feet below surface:	247.6
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1951-05-01	Feet below surface:	248.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1951-04-02	Feet below surface:	247.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1951-03-02	Feet below surface:	248.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1951-02-01	Feet below surface:	248.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1951-01-02	Feet below surface:	254.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1950-12-07	Feet below surface:	248.6
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1950-11-01	Feet below surface:	246.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1950-10-02	Feet below surface:	246.6
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1950-09-05	Feet below surface:	246.4
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1950-08-03	Feet below surface:	245.9
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1950-06-02	Feet below surface:	242.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1950-04-03	Feet below surface:	244.7
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1950-03-02	Feet below surface:	245.1
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1950-01-04	Feet below surface:	245.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1949-12-02	Feet below surface:	245.3
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1949-11-29	Feet below surface:	243.7
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1949-08-29	Feet below surface:	243.9
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1949-05-31	Feet below surface:	243.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1949-04-07	Feet below surface:	243.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1949-03-31	Feet below surface:	243.7
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1949-02-28	Feet below surface:	243.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1949-01-12	Feet below surface:	243.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1948-11-30	Feet below surface:	244.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1948-09-07	Feet below surface:	243.7
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1948-06-01	Feet below surface:	242.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1948-03-23	Feet below surface:	242.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1948-02-26	Feet below surface:	242.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1947-12-03	Feet below surface:	242.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1947-12-02	Feet below surface:	242.9
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1947-09-02	Feet below surface:	243.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1947-06-03	Feet below surface:	242.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1947-03-17	Feet below surface:	243.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1947-02-27	Feet below surface:	243.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1946-11-26	Feet below surface:	243.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1946-03-26	Feet below surface:	244.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1946-02-28	Feet below surface:	244.1
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1946-01-03	Feet below surface:	244.4
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1945-12-04	Feet below surface:	244.6
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1945-08-30	Feet below surface:	244.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1945-06-05	Feet below surface:	244.4
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1945-03-19	Feet below surface:	245.1
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1945-03-06	Feet below surface:	245.3
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1945-02-06	Feet below surface:	245.1
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1944-12-01	Feet below surface:	245.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1944-11-29	Feet below surface:	245.7
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1944-09-01	Feet below surface:	245.9
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1944-06-02	Feet below surface:	246.3
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1944-04-04	Feet below surface:	246.4
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1944-03-10	Feet below surface:	246.7
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1943-12-02	Feet below surface:	247.4
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1943-11-15	Feet below surface:	247.4
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1943-09-01	Feet below surface:	247.7
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1943-06-11	Feet below surface:	247.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1943-05-05	Feet below surface:	247.1
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1943-04-02	Feet below surface:	246.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1943-03-02	Feet below surface:	247.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1942-12-10	Feet below surface:	247.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1942-12-03	Feet below surface:	247.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1942-12-01	Feet below surface:	247.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1942-09-01	Feet below surface:	247.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1942-05-28	Feet below surface:	246.7
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1942-04-14	Feet below surface:	246.5
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1942-03-03	Feet below surface:	246.6
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1941-12-08	Feet below surface:	246.9
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1941-11-21	Feet below surface:	246.7
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1941-09-03	Feet below surface:	247.1
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1941-06-09	Feet below surface:	247.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1941-03-25	Feet below surface:	247.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1941-01-29	Feet below surface:	247.4
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1941-01-13	Feet below surface:	247.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1940-09-20	Feet below surface:	248.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1940-06-08	Feet below surface:	246.9
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1940-05-11	Feet below surface:	247.1
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1940-04-11	Feet below surface:	247.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1940-03-07	Feet below surface:	247.4
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1940-02-14	Feet below surface:	247.6
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1940-01-31	Feet below surface:	247.4
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1940-01-02	Feet below surface:	247.7
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1939-12-05	Feet below surface:	247.6
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1939-11-24	Feet below surface:	247.7
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1939-11-07	Feet below surface:	248.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1939-09-11	Feet below surface:	247.6
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1939-08-02	Feet below surface:	247.2
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1939-07-04	Feet below surface:	246.9
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1939-06-06	Feet below surface:	246.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1939-05-12	Feet below surface:	246.6
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1939-04-15	Feet below surface:	246.7
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1939-04-03	Feet below surface:	246.6
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1939-03-06	Feet below surface:	246.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1939-02-17	Feet below surface:	246.4
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1939-01-19	Feet below surface:	247.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1938-07-10	Feet below surface:	246.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1938-06-05	Feet below surface:	246.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1938-05-01	Feet below surface:	246.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1938-02-21	Feet below surface:	246.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1938-02-06	Feet below surface:	247.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1938-01-01	Feet below surface:	246.9
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1937-12-06	Feet below surface:	247.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1937-11-07	Feet below surface:	247.1
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1937-10-03	Feet below surface:	247.1
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1937-09-06	Feet below surface:	247.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1937-08-07	Feet below surface:	246.7
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1937-07-05	Feet below surface:	246.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1937-06-20	Feet below surface:	246.5
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1937-05-13	Feet below surface:	246.6
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1937-01-16	Feet below surface:	246.6
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1936-12-17	Feet below surface:	246.6
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1936-09-15	Feet below surface:	246.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1936-07-15	Feet below surface:	245.1
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1936-04-17	Feet below surface:	243.7
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1936-01-27	Feet below surface:	243.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1935-12-16	Feet below surface:	243.6
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1935-09-14	Feet below surface:	243.4
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1935-07-15	Feet below surface:	243.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1935-05-25	Feet below surface:	242.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1935-04-17	Feet below surface:	242.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1935-04-15	Feet below surface:	242.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1934-12-17	Feet below surface:	242.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1934-10-15	Feet below surface:	241.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1934-05-15	Feet below surface:	240.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1934-04-16	Feet below surface:	239.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1933-12-15	Feet below surface:	239.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1933-05-01	Feet below surface:	238.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1933-01-27	Feet below surface:	237.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1932-09-16	Feet below surface:	237.0
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1932-09-14	Feet below surface:	237.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1932-04-16	Feet below surface:	237.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1931-12-19	Feet below surface:	237.4
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1931-11-18	Feet below surface:	237.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1931-08-26	Feet below surface:	236.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1931-05-09	Feet below surface:	234.7
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1931-05-02	Feet below surface:	234.7
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1931-03-30	Feet below surface:	234.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1930-10-08	Feet below surface:	234.9
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1930-06-03	Feet below surface:	232.4
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1929-11-11	Feet below surface:	232.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1929-10-14	Feet below surface:	232.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1929-09-11	Feet below surface:	230.3
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1929-08-09	Feet below surface:	231.6
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1929-07-08	Feet below surface:	230.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1929-06-19	Feet below surface:	230.1
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1929-05-01	Feet below surface:	229.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1929-04-03	Feet below surface:	229.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1929-03-01	Feet below surface:	229.4
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1929-02-05	Feet below surface:	228.9
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1929-01-02	Feet below surface:	229.5
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1928-12-04	Feet below surface:	229.7
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1928-11-03	Feet below surface:	229.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1928-09-18	Feet below surface:	229.6
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1928-08-13	Feet below surface:	228.4
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1928-08-01	Feet below surface:	228.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1928-07-05	Feet below surface:	228.1
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1928-06-05	Feet below surface:	227.1
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1928-05-05	Feet below surface:	226.4
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1928-04-10	Feet below surface:	226.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1928-03-08	Feet below surface:	226.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1928-02-11	Feet below surface:	226.6
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1928-01-03	Feet below surface:	226.9
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1927-12-07	Feet below surface:	226.9
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1927-11-25	Feet below surface:	226.9
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1927-10-07	Feet below surface:	226.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1927-09-09	Feet below surface:	227.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1927-08-12	Feet below surface:	227.3
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1926-02-11	Feet below surface:	225.7
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1924-10-06	Feet below surface:	225.4
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1922-07-15	Feet below surface:	255.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1919-10-15	Feet below surface:	232.9
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1919-04-24	Feet below surface:	233.7
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1919-04-03	Feet below surface:	232.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1918-04-12	Feet below surface:	233.9
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1917-03-29	Feet below surface:	237.3
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1916-04-03	Feet below surface:	239.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1915-05-01	Feet below surface:	240.6
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1914-03-29	Feet below surface:	242.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1912-10-14	Feet below surface:	240.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1912-07-20	Feet below surface:	240.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1912-06-27	Feet below surface:	240.3
Feet to sea level:	Not Reported	Note:	Not Reported

F18
SSW
1/2 - 1 Mile
Lower

CA WELLS **CADWR9000006540**

State Well #:	01S05W30L001S	Station ID:	26603
Well Name:	Not Reported	Basin Name:	Chino
Well Use:	Unknown	Well Type:	Unknown
Well Depth:	0	Well Completion Rpt #:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS
RADON

AREA RADON INFORMATION

State Database: CA Radon

Radon Test Results

Zipcode	Num Tests	> 4 pCi/L
92335	56	0

Federal EPA Radon Zone for SAN BERNARDINO 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 SAN BERNARDINO COUNTY, CA

Number of sites tested: 18

Area	Average Activity	% <4 pCi/L	% 4-20 pCi/L	% >20 pCi/L
Living Area - 1st Floor	0.678 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.

Current USGS 7.5 Minute Topographic Map
Source: U.S. Geological Survey

HYDROLOGIC INFORMATION

Flood Zone Data: This data was obtained from the Federal Emergency Management Agency (FEMA). It depicts 100-year and 500-year flood zones as defined by FEMA. It includes the National Flood Hazard Layer (NFHL) which incorporates Flood Insurance Rate Map (FIRM) data and Q3 data from FEMA in areas not covered by NFHL.
Source: FEMA
Telephone: 877-336-2627
Date of Government Version: 2003, 2015

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.

State Wetlands Data: Wetland Inventory
Source: Department of Fish and Wildlife
Telephone: 916-445-0411

HYDROGEOLOGIC INFORMATION

AQUIFLOW^{R} 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 Service (NRCS)
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 Service (NRCS)
Telephone: 800-672-5559
SSURGO is the most detailed level of mapping done by the Natural Resources Conservation Service, 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.

OTHER STATE DATABASE INFORMATION

Groundwater Ambient Monitoring & Assessment Program
State Water Resources Control Board
Telephone: 916-341-5577
The GAMA Program is Californias comprehensive groundwater quality monitoring program. GAMA collects data by testing the untreated, raw water in different types of wells for naturally-occurring and man-made chemicals. The GAMA data includes Domestic, Monitoring and Municipal well types from the following sources, Department of Water Resources, Department of Heath Services, EDF, Agricultural Lands, Lawrence Livermore National Laboratory, Department of Pesticide Regulation, United States Geological Survey, Groundwater Ambient Monitoring and Assessment Program and Local Groundwater Projects.

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.

California Oil and Gas Well Locations
Source: Dept of Conservation, Geologic Energy Management Division
Telephone: 916-323-1779
Oil and Gas well locations in the state.

California Earthquake Fault Lines
Source: California Division of Mines and Geology
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.

RADON

State Database: CA Radon
Source: Department of Public Health
Telephone: 916-210-8558
Radon Database for California

PHYSICAL SETTING SOURCE RECORDS SEARCHED

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.

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

Â© 2015 TomTom North America, Inc. All rights reserved. This material is proprietary and the subject of copyright protection and other intellectual property rights owned by or licensed to Tele Atlas North America, Inc. The use of this material is subject to the terms of a license agreement. You will be held liable for any unauthorized copying or disclosure of this material.

Proposed Jefferson Fontana Mixed-Use Residential
SW of The Intersection Juniper Ave and Valley Blvd
Fontana, CA 92335

Inquiry Number: 7009041.2s
June 22, 2022

EDR Vapor Encroachment Screen

Prepared using EDR's Vapor Encroachment Worksheet

EDR® Environmental Data Resources Inc

6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

TABLE OF CONTENTS

SECTION	PAGE
Executive Summary	**ES1**
Primary Map	**2**
Secondary Map	**3**
Map Findings	**4**
Record Sources and Currency	**GR-1**

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

Disclaimer - Copyright and Trademark Notice

The EDR Vapor Encroachment Worksheet enables EDR's customers to make certain online modifications that effects maps, text and calculations contained in this Report. As a result, maps, text and calculations contained in this Report may have been so modified. EDR has not taken any action to verify any such modifications, and this report and the findings set forth herein must be read in light of this fact. Environmental Data Resources shall not be responsible for any customer's decision to include or not include in any final report any records determined to be within the relevant minimum search distances.

This report contains information obtained from a variety of public and other sources reasonably available to Environmental Data Resources, Inc. It cannot be concluded from this Report that coverage information for the target and surrounding properties does not exist from other sources. **NO WARRANTY EXPRESSED OR IMPLIED, IS MADE WHATSOEVER IN CONNECTION WITH THIS REPORT. ENVIRONMENTAL DATA RESOURCES, INC. SPECIFICALLY DISCLAIMS THE MAKING OF ANYSUCH WARRANTIES, INCLUDING WITHOUT LIMITATION, MERCHANTABILITY OR FITNESS FOR A PARTICULAR USE OR PURPOSE. ALL RISK IS ASSUMED BY THE USER. IN NO EVENT SHALL ENVIRONMENTAL DATA RESOURCES, INC. BE LIABLE TO ANYONE, WHETHER ARISING OUT OF ERRORS OR OMISSIONS, NEGLIGENCE, ACCIDENT OR ANY OTHER CAUSE, FOR ANY LOSS OR DAMAGE, INCLUDING, WITHOUT LIMITATION, SPECIAL, INCIDENTAL, CONSEQUENTIAL, OR EXEMPLARY DAMAGES.ANY LIABILITY ON THE PART OF ENVIRONMENTAL DATA RESOURCES, INC. IS STRICTLY LIMITED TO A REFUND OF THE AMOUNT PAID FOR THIS REPORT.** Purchaser accepts this report "AS IS". Any analyses, estimates, ratings, or risk codes provided in this report are provided for illustrative purposes only, and are not intended to provide, nor should they be interpreted as providing any facts regarding, or prediction or forecast of, any environmental risk for any property. Only a Phase I Environmental Site Assessment performed by an environmental professional can produce information regarding the environmental risk for any property. Additionally, the information provided in this Report is not to be construed as legal advice.

Copyright 2022 by Environmental Data Resources, Inc. All rights reserved. Reproduction in any media or format, in whole or in part, of any report or map of Environmental Data Resources, Inc., or its affiliates, is prohibited without prior written permission.

EDR and its logos (including Sanborn and Sanborn Map) are trademarks of Environmental Data Resources, Inc. or its affiliates. All other trademarks used herein are the property of their respective owners.

EXECUTIVE SUMMARY

A search of available environmental records was conducted by EDR. The report was designed to assist parties seeking to meet the search requirements of the ASTM Standard Practice for Assessment of Vapor Encroachment into Structures on Property Involved in Real Estate Transactions (E 2600).

STANDARD ENVIRONMENTAL RECORDS	Default Area of Concern (Miles)*	property	1/10	> 1/10
Lists of Federal NPL (Superfund) sites	1.0	0	0	0
Lists of Federal Delisted NPL sites	1.0	0	0	0
Lists of Federal sites subject to CERCLA removals and CERCLA orders	0.5	0	0	0
Lists of Federal CERCLA sites with NFRAP	0.5	0	0	0
Lists of Federal RCRA facilities undergoing Corrective Action	1.0	0	0	0
Lists of Federal RCRA TSD facilities	0.5	0	0	0
Lists of Federal RCRA generators	0.25	0	0	0
Federal institutional controls / engineering controls registries	0.5	0	0	0
Federal ERNS list	0.001	0	0	-
Lists of state- and tribal (Superfund) equivalent sites	1.0	0	0	0
Lists of state- and tribal hazardous waste facilities	1.0	0	0	0
Lists of state and tribal landfills and solid waste disposal facilities	0.5	0	0	0
Lists of state and tribal leaking storage tanks	0.5	0	0	0
Lists of state and tribal registered storage tanks	0.25	0	0	0
State and tribal institutional control / engineering control registries	not searched	-	-	-
Lists of state and tribal voluntary cleanup sites	0.5	0	0	0
Lists of state and tribal brownfield sites	0.5	0	0	0

ADDITIONAL ENVIRONMENTAL RECORDS				
Local Brownfield lists	0.5	0	0	0
Local Lists of Landfill / Solid Waste Disposal Sites	0.5	0	0	1
Local Lists of Hazardous waste / Contaminated Sites	1.0	0	3	2
Local Lists of Registered Storage Tanks	0.25	0	0	1
Local Land Records	0.5	0	0	0
Records of Emergency Release Reports	0.5	0	0	0
Other Ascertainable Records	1.0	0	4	2

EDR HIGH RISK HISTORICAL RECORDS				
EDR Exclusive Records	1.0	0	1	0
Exclusive Recovered Govt. Archives	0.001	0	0	-

EXECUTIVE SUMMARY

EDR RECOVERED GOVERNMENT ARCHIVES

EDR Exclusive Records	1.0	0	1	0
Exclusive Recovered Govt. Archives	0.001	0	0	-

*The Default Area of Concern may be adjusted by the environmental professional using experience and professional judgement. Each category may include several databases, and each database may have a different distance. A list of individual databases is provided at the back of this report.

EXECUTIVE SUMMARY

TARGET PROPERTY INFORMATION

ADDRESS

PROPOSED JEFFERSON FONTANA MIXED-USE RESIDENTIAL
SW OF THE INTERSECTION JUNIPER AVE AND VALLEY BLVD
FONTANA, CA 92335

COORDINATES

Latitude (North):	34.06933 - 34° 4′ 9.581909″
Longitude (West):	117.441261 - 117° 26′ 28.54065″
Elevation:	1115 ft. above sea level

EXECUTIVE SUMMARY

SEARCH RESULTS

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

STANDARD ENVIRONMENTAL RECORDS

Name	Address	Dist/Dir	Map ID	Page
Not Reported				

ADDITIONAL ENVIRONMENTAL RECORDS

Name	Address	Dist/Dir	Map ID	Page
LONSDALE TRUCKING INC San Bern. Co. Permit: San Bern. Co. Permit HWTS: HWTS	16556 VALLEY BLVD	<1/10 NNW	▲ A1	9
CARDENAS MARKETS #7 CERS: CERS CERS HAZ WASTE: CERS HAZ WASTE San Bern. Co. Permit: San Bern. Co. Permit	16721 VALLEY BLVD	<1/10 ENE	▲ 3	11
PEP BOYS #680 FINDS: FINDS CERS: CERS CERS HAZ WASTE: CERS HAZ WASTE San Bern. Co. Permit: San Bern. Co. Permit	16711 VALLEY BLVD	<1/10 E	▲ 4	15
INTERNATIONAL RADIATOR CERS: CERS CERS HAZ WASTE: CERS HAZ WASTE San Bern. Co. Permit: San Bern. Co. Permit HAZNET: HAZNET HWTS: HWTS	16770 VALLEY BLVD STE C	<1/10 ENE	▲ C5	22
SALLY BEAUTY SUPPLIES CERS HAZ WASTE: CERS HAZ WASTE HAZNET: HAZNET San Bern. Co. Permit: San Bern. Co. Permit HWTS: HWTS	16771 VALLEY BLVD	1/10 - 1/3 ENE	▲ C6	30
MOBIL STATION CERS TANKS: CERS TANKS CERS: CERS SWEEPS UST: SWEEPS UST CA FID UST: CA FID UST CERS HAZ WASTE: CERS HAZ WASTE San Bern. Co. Permit: San Bern. Co. Permit	16894 VALLEY BLVD	1/10 - 1/3 ENE	▲ 7	41
PONCE RECYCLING SWRCY: SWRCY	9954 SIERRA AVE	1/10 - 1/3 NE	▲ 8	59

EDR HIGH RISK HISTORICAL RECORDS

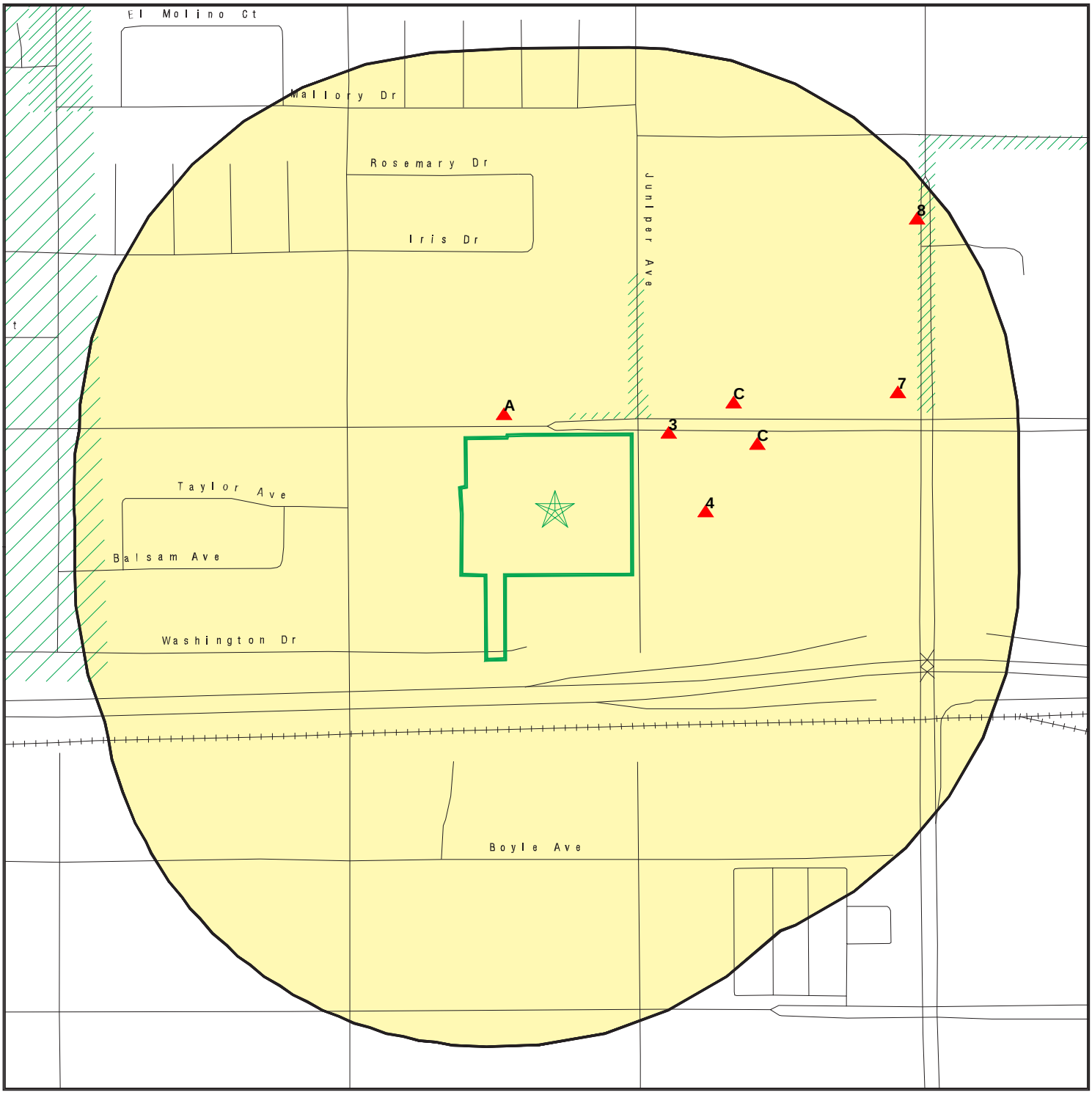
Name	Address	Dist/Dir	Map ID	Page
PREMIER TRANSMISSION EDR Hist Auto: EDR Hist Auto	16584 VALLEY BLVD	<1/10 NNW	▲ A2	11

EXECUTIVE SUMMARY

EDR RECOVERED GOVERNMENT ARCHIVES

Name	Address	Dist/Dir	Map ID	Page
Not Reported				

PRIMARY MAP - 7009041.2S



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

Special Flood Hazard Area (1%)

0.2% Annual Chance Flood Hazard

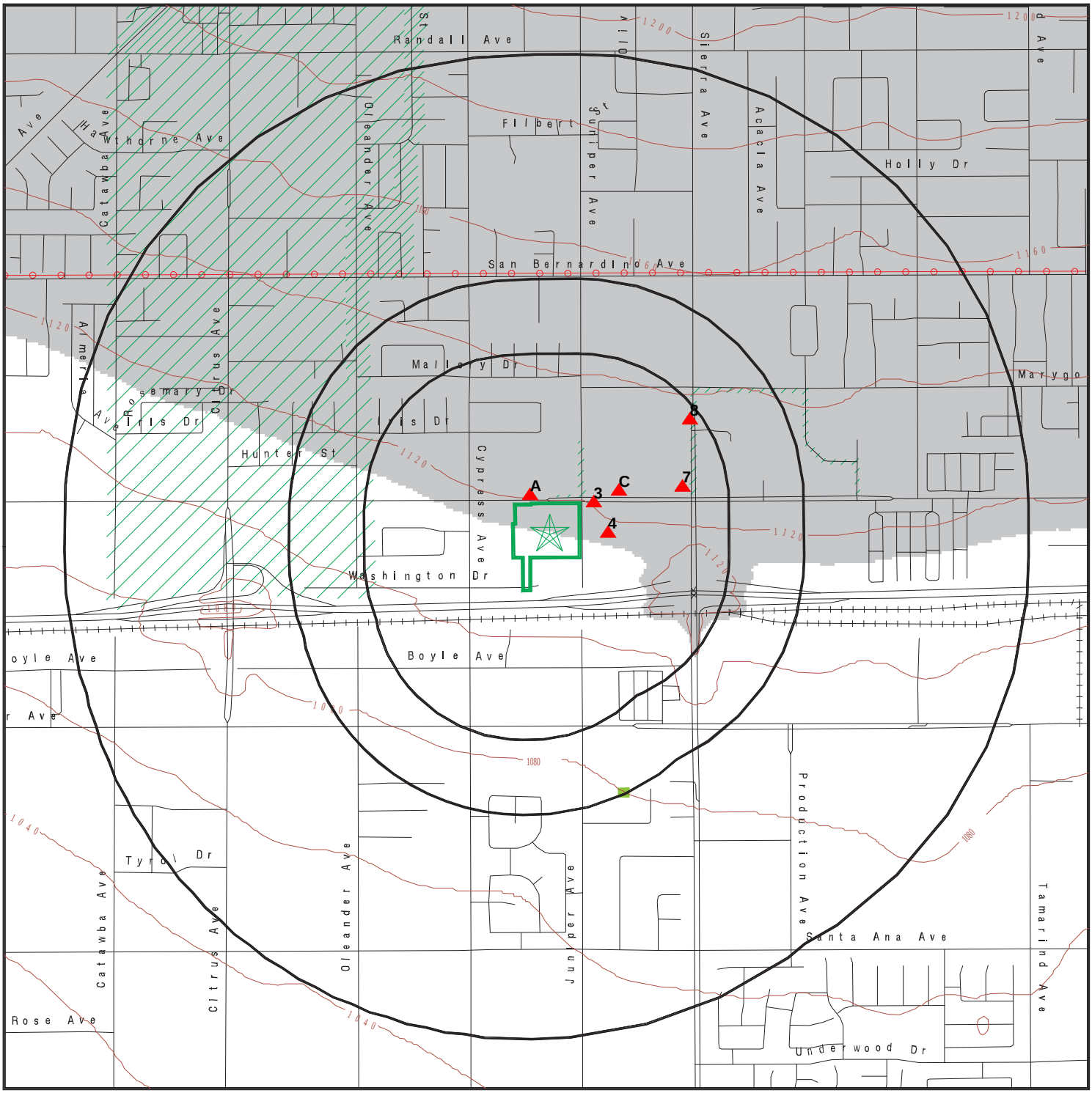
Areas of Concern

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:	Proposed Jefferson Fontana Mixed-Use Residential	CLIENT:	Leighton and Associates, Inc.
ADDRESS:	SW of The Intersection Juniper Ave and Valley Blvd Fontana CA 92335	CONTACT:	Tracy Roberts
LAT/LONG:	34.06933 / 117.441261	INQUIRY #:	7009041.2s
		DATE:	June 07, 2022 2:38 pm

Copyright © 2022 EDR, Inc. © 2015 TomTom Rel. 2015.

SECONDARY MAP - 7009041.2S



0 1/3 1/2 1 Miles

- 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
- Special Flood Hazard Area (1%)
- 0.2% Annual Chance Flood Hazard
- National Wetland Inventory
- State Wetlands
- Upgradient Area
- 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:	Proposed Jefferson Fontana Mixed-Use Residential	CLIENT:	Leighton and Associates, Inc.
ADDRESS:	SW of The Intersection Juniper Ave and Valley Blvd Fontana CA 92335	CONTACT:	Tracy Roberts
LAT/LONG:	34.06933 / 117.441261	INQUIRY #:	7009041.2s
		DATE:	June 07, 2022 2:38 pm

Copyright © 2022 EDR, Inc. © 2015 TomTom Rel. 2015.

MAP FINDINGS

LEGEND

FACILITY NAME **FACILITY ADDRESS, CITY, ST, ZIP**		EDR SITE ID NUMBER
◆ **MAP ID#**	Direction Distance Range (Distance feet / miles) Relative Elevation Feet Above Sea Level	ASTM 2600 Record Sources found in this report. Each database searched has been assigned to one or more categories. For detailed information about categorization, see the section of the report Records Searched and Currency.

Worksheet:

Comments:
Comments may be added on the online Vapor Encroachment Worksheet.

DATABASE ACRONYM: Applicable categories (A hoverbox with database description).

LONSDALE TRUCKING INC 16556 VALLEY BLVD, FONTANA, CA, 92335			S103634835
▲ A1	NNW <1/10	(90 ft. / 0.017 mi.)	Other Ascertainable Records
	5 ft. Higher Elevation	1120 ft. Above Sea Level	

Worksheet:

Impact on Target Property: Undetermined

San Bern. Co. Permit: Other Ascertainable Records

Name:	LONSDALE TRUCKING INC
Address:	16556 VALLEY BLVD
City,State,Zip:	FONTANA, CA 92335
Region:	SAN BERNARDINO
Facility ID:	FA0008298
Owner:	LONSDALE TRUCKING INC
Permit Number:	PT0014512
Permit Category:	SPECIAL GENERATOR
Facility Status:	INACTIVE
Expiration Date:	05/31/2007
Name:	LONSDALE TRUCKING INC
Address:	16556 VALLEY BLVD
City,State,Zip:	FONTANA, CA 92335
Region:	SAN BERNARDINO
Facility ID:	FA0008298
Owner:	LONSDALE TRUCKING INC
Permit Number:	PT0014513
Permit Category:	SPECIAL HANDLER
Facility Status:	INACTIVE
Expiration Date:	05/31/2007
Name:	BOB KEIRNS FRONT END SVC
Address:	16556 VALLEY BLVD

LONSDALE TRUCKING INC, 16556 VALLEY BLVD, FONTANA, CA 92335 (Continued)

City,State,Zip:	FONTANA, CA 92335
Region:	SAN BERNARDINO
Facility ID:	FA0001518
Owner:	BOB KEIRNS FRONT END SVC
Permit Number:	PT0005337
Permit Category:	CONDITIONALLY EXEMPT SMALL QUANTITY GENERATOR
Facility Status:	INACTIVE
Expiration Date:	09/30/2004

HWTS: Other Ascertainable Records

Name:	LONSDALE TRUCKING INC
Address:	16556 VALLEY BLVD
Address 2:	Not Reported
City,State,Zip:	FONTANA, CA 92335
EPA ID:	CAL000258402
Inactive Date:	06/30/2006
Create Date:	08/28/2002
Last Act Date:	Not Reported
Mailing Name:	Not Reported
Mailing Address:	5626 MALVERN WAY
Mailing Address 2:	Not Reported
Mailing City,State,Zip:	RIVERSIDE, CA 925063548
Owner Name:	DAVID LONSDALE
Owner Address:	5626 MALVERN WAY
Owner Address 2:	Not Reported
Owner City,State,Zip:	RIVERSIDE, CA 925063548
Contact Name:	DAVID LONSDALE
Contact Address:	12124 SEVERN WAY
Contact Address 2:	Not Reported
City,State,Zip:	RIVERSIDE, CA 92503
Facility Status:	Inactive
Facility Type:	PERMANENT
Category:	STATE
Latitude:	34.07043
Longitude:	-117.443097

NAICS:

EPA ID:	CAL000258402
Create Date:	2002-08-28 14:47:35.170
NAICS Code:	48411
NAICS Description:	General Freight Trucking, Local
Issued EPA ID Date:	2002-08-28 14:47:35.12300
Inactive Date:	2006-06-30 10:14:52
Facility Name:	LONSDALE TRUCKING INC
Facility Address:	16556 VALLEY BLVD
Facility Address 2:	Not Reported
Facility City:	FONTANA
Facility County:	Not Reported
Facility State:	CA

LONSDALE TRUCKING INC, 16556 VALLEY BLVD, FONTANA, CA 92335 (Continued)

Facility Zip: 923350000

PREMIER TRANSMISSION 16584 VALLEY BLVD, FONTANA, CA, 92335			1022085074
▲ A2	NNW <1/10	(90 ft. / 0.017 mi.)	EDR Exclusive Records
	5 ft. Higher Elevation	1120 ft. Above Sea Level	

Worksheet:

Impact on Target Property: Undetermined

EDR Hist Auto: EDR Exclusive Records

Year:	Name: / Type:
2006:	PREMIER TRANSMISSION / Automotive Transmission Repair Shops
2007:	PREMIER TRANSMISSION / Automotive Transmission Repair Shops
2008:	PREMIER TRANSMISSION / Automotive Transmission Repair Shops
2009:	PREMIER TRANSMISSION / Automotive Transmission Repair Shops
2010:	PREMIER TRANSMISSION / Automotive Transmission Repair Shops
2011:	PREMIER TRANSMISSION / Automotive Transmission Repair Shops
2012:	PREMIER TRANSMISSION / Automotive Transmission Repair Shops

CARDENAS MARKETS #7 16721 VALLEY BLVD, FONTANA, CA, 92335			S113019540
▲ 3	ENE <1/10	(165 ft. / 0.031 mi.)	Local Lists of Hazardous waste / Contaminated Sites Other Ascertainable Records
	5 ft. Higher Elevation	1120 ft. Above Sea Level	

Worksheet:

Impact on Target Property: VEC does not exist
Comments: Chemicals of concern are not likely to be present at this source.

CERS HAZ WASTE: Local Lists of Hazardous waste / Contaminated Sites

Name:	CARDENAS MARKETS #7
Address:	16721 VALLEY BLVD
City,State,Zip:	FONTANA, CA 92335
Site ID:	16433
CERS ID:	10615240
CERS Description:	Hazardous Waste Generator

San Bern. Co. Permit: Other Ascertainable Records

Name:	CARDENAS MARKETS #7
Address:	16721 VALLEY BLVD
City,State,Zip:	FONTANA, CA 92335
Region:	SAN BERNARDINO
Facility ID:	FA0016716
Owner:	Cardenas Markets, LLC.
Permit Number:	PT0036168

CARDENAS MARKETS #7, 16721 VALLEY BLVD, FONTANA, CA 92335 (Continued)

Permit Category:	HAZARDOUS MATERIALS 1-3 CHEMICALS
Facility Status:	ACTIVE
Expiration Date:	08/31/2022
Name:	CARDENAS MARKETS #7
Address:	16721 VALLEY BLVD
City,State,Zip:	FONTANA, CA 92335
Region:	SAN BERNARDINO
Facility ID:	FA0016716
Owner:	Cardenas Markets, LLC.
Permit Number:	PT0036057
Permit Category:	CONDITIONALLY EXEMPT SM QTY GENERATOR
Facility Status:	ACTIVE
Expiration Date:	08/31/2022

CERS: Other Ascertainable Records

Name:	CARDENAS MARKETS #7
Address:	16721 VALLEY BLVD
City,State,Zip:	FONTANA, CA 92335
Site ID:	16433
CERS ID:	10615240
CERS Description:	Chemical Storage Facilities

Evaluation:

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	03-05-2018
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Not Reported
Eval Division:	San Bernardino County Fire Department
Eval Program:	HMRRP
Eval Source:	CERS,
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	03-22-2021
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Not Reported
Eval Division:	San Bernardino County Fire Department
Eval Program:	HMRRP
Eval Source:	CERS,
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	03-05-2018
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Not Reported
Eval Division:	San Bernardino County Fire Department
Eval Program:	HW
Eval Source:	CERS,

CARDENAS MARKETS #7, 16721 VALLEY BLVD, FONTANA, CA 92335 (Continued)

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	03-22-2021
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Not Reported
Eval Division:	San Bernardino County Fire Department
Eval Program:	HW
Eval Source:	CERS,

Coordinates:

Site ID:	16433
Facility Name:	Cardenas Markets #7
Env Int Type Code:	HWG
Program ID:	10615240
Coord Name:	Not Reported
Ref Point Type Desc:	Center of a facility or station.,
Latitude:	34.070240
Longitude:	-117.439460

Affiliation:

Affiliation Type Desc:	CUPA District
Entity Name:	San Bernardino County Fire
Entity Title:	Not Reported
Affiliation Address:	620 South E Street
Affiliation City:	San Bernardino
Affiliation State:	CA
Affiliation Country:	Not Reported
Affiliation Zip:	92415-0153
Affiliation Phone:	(909) 386-8401,
Affiliation Type Desc:	Legal Owner
Entity Name:	Cardenas Markets, LLC.
Entity Title:	Not Reported
Affiliation Address:	2501 E. Guasti Rd.
Affiliation City:	Ontario
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	91761
Affiliation Phone:	(909) 923-7426,
Affiliation Type Desc:	Document Preparer
Entity Name:	Mirna Ruacho
Entity Title:	Not Reported
Affiliation Address:	Not Reported
Affiliation City:	Not Reported
Affiliation State:	Not Reported
Affiliation Country:	Not Reported
Affiliation Zip:	Not Reported
Affiliation Phone:	,

CARDENAS MARKETS #7, 16721 VALLEY BLVD, FONTANA, CA 92335 (Continued)

Affiliation Type Desc:	Environmental Contact
Entity Name:	Mirna Ruacho
Entity Title:	Not Reported
Affiliation Address:	2501 E. Guasti Rd.
Affiliation City:	Ontario
Affiliation State:	CA
Affiliation Country:	Not Reported
Affiliation Zip:	91761
Affiliation Phone:	,
Affiliation Type Desc:	Operator
Entity Name:	Cardenas Markets #7
Entity Title:	Not Reported
Affiliation Address:	Not Reported
Affiliation City:	Not Reported
Affiliation State:	Not Reported
Affiliation Country:	Not Reported
Affiliation Zip:	Not Reported
Affiliation Phone:	(909) 854-6629,
Affiliation Type Desc:	Facility Mailing Address
Entity Name:	Mailing Address
Entity Title:	Not Reported
Affiliation Address:	2501 E. Guasti Rd.
Affiliation City:	Ontario
Affiliation State:	CA
Affiliation Country:	Not Reported
Affiliation Zip:	91761
Affiliation Phone:	,
Affiliation Type Desc:	Identification Signer
Entity Name:	Mirna Ruacho
Entity Title:	Quality Assurance Manager
Affiliation Address:	Not Reported
Affiliation City:	Not Reported
Affiliation State:	Not Reported
Affiliation Country:	Not Reported
Affiliation Zip:	Not Reported
Affiliation Phone:	,
Affiliation Type Desc:	Parent Corporation
Entity Name:	Cardenas Markets, LLC.
Entity Title:	Not Reported
Affiliation Address:	Not Reported
Affiliation City:	Not Reported
Affiliation State:	Not Reported
Affiliation Country:	Not Reported
Affiliation Zip:	Not Reported
Affiliation Phone:	,
Affiliation Type Desc:	Property Owner
Entity Name:	JG Management

CARDENAS MARKETS #7, 16721 VALLEY BLVD, FONTANA, CA 92335 (Continued)

Entity Title:	Not Reported
Affiliation Address:	5743 Corsa Ave., Ste 200
Affiliation City:	Westlake Village
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	91362
Affiliation Phone:	(818) 483-1611,

PEP BOYS #680 16711 VALLEY BLVD, FONTANA, CA, 92335-6692		1007677194
▲ 4	E <1/10 (335 ft. / 0.063 mi.) 2 ft. Higher Elevation 1117 ft. Above Sea Level	Local Lists of Hazardous waste / Contaminated Sites Other Ascertainable Records

Worksheet:

Impact on Target Property: Undetermined

CERS HAZ WASTE: Local Lists of Hazardous waste / Contaminated Sites

Name:	PEP BOYS-FONTANA #680
Address:	16711 VALLEY BLVD
City,State,Zip:	FONTANA, CA 92335
Site ID:	56188
CERS ID:	10043044
CERS Description:	Hazardous Waste Generator

FINDS: Other Ascertainable Records

Registry ID:	110017950582
Click Here:	https://ofmpub.epa.gov/frs_public2/fii_query_detail.disp_program_facility?p_registry_id=110017950582

Environmental Interest/Information System:

STATE MASTER

UORS (California - Used Oil Recycling System). California Integrated Waste Management Board (CIWMB) helps communities establish and promote convenient collection opportunities for used oil and used oil filters.

The Click here to access additional FINDS: detail in the EDR Site Report. database contains
http://www.edrnet.com/srf2/FinalSiteReport.aspx?ID=4Ps4QXPKis3f28kQYwXE994IK5ziCX3Cm3uifVq3hR8vokqZ22RYgUwH.55XE5Q9SWABQ
4zKIDXAgL5dNzjw3pTCuoXaG4tqPSOswF2ZYQXjXIj8hqKBai8320t3i0fbG8.88Vdk692kKY7YwVX94CEqJ90C4xk4G0IOp4q.5MQz4n4ZsPepsTi
3t5QjOXx62dhKMKiVa9mb3IgfRA2DE8azkBV2UoYtOwGoBHFEJk96G2RA4KsIWX6nX5FLzcr3VtCsDX0T1XCCCDmAx488u.LipCujVVq5qbf4Bj
Pghs043oiQcHXPd2WmKP9iEC3my3BVfHI2K38n9kZX2VjYMow.S9N7EDn9Lt89743MIub97r5zIzWw9iIC6rXk.3kqCgvma8BMWun9iHC6FIVAgq
KT2 additional records for this site. Please contact your EDR Account Executive for more information.

San Bern. Co. Permit: Other Ascertainable Records

Name:	PEP BOYS-FONTANA #680
Address:	16711 VALLEY BLVD
City,State,Zip:	FONTANA, CA 92335
Region:	SAN BERNARDINO
Facility ID:	FA0005280
Owner:	PEP BOYS - MANNY, MOE & JACK
Permit Number:	PT0005775
Permit Category:	HAZARDOUS MATERIALS 4-10 CHEMICALS

PEP BOYS #680, 16711 VALLEY BLVD, FONTANA, CA 92335-6692 (Continued)

Facility Status:	ACTIVE
Expiration Date:	09/30/2022
Name:	PEP BOYS-FONTANA #680
Address:	16711 VALLEY BLVD
City,State,Zip:	FONTANA, CA 92335
Region:	SAN BERNARDINO
Facility ID:	FA0005280
Owner:	PEP BOYS - MANNY, MOE & JACK
Permit Number:	PT0005774
Permit Category:	LARGE QUANTITY GENERATOR
Facility Status:	ACTIVE
Expiration Date:	09/30/2022
Name:	AUTO PLUS #10753
Address:	16711 VALLEY BLVD
City,State,Zip:	FONTANA, CA 92335
Region:	SAN BERNARDINO
Facility ID:	FA0018858
Owner:	AUTO PLUS
Permit Number:	PT0040715
Permit Category:	CONDITIONALLY EXEMPT SM QTY GENERATOR SPECIAL
Facility Status:	INACTIVE
Expiration Date:	08/31/2022
Name:	PEP BOYS-FONTANA #680
Address:	16711 VALLEY BLVD
City,State,Zip:	FONTANA, CA 92335
Region:	SAN BERNARDINO
Facility ID:	FA0005280
Owner:	PEP BOYS - MANNY, MOE & JACK
Permit Number:	PT0005773
Permit Category:	CE ANNUAL FEE
Facility Status:	INACTIVE
Expiration Date:	09/30/2007

CERS: Other Ascertainable Records

Name:	PEP BOYS-FONTANA #680
Address:	16711 VALLEY BLVD
City,State,Zip:	FONTANA, CA 92335
Site ID:	56188
CERS ID:	10043044
CERS Description:	Chemical Storage Facilities

Violations:

Site ID:	56188
Site Name:	PEP BOYS-FONTANA #680
Violation Date:	11-08-2017
Citation:	HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description:	Failure to complete and electronically submit hazardous material inventory information for all reportable hazardous materials on site at or above reportable quantities.

PEP BOYS #680, 16711 VALLEY BLVD, FONTANA, CA 92335-6692 (Continued)

Violation Notes:	Returned to compliance on 09/23/2020. The facility hazardous material inventory has omission and inaccuracies; oil/absorbent waste is not disclosed and two 16-gallon containers of brake fluid waste were present (a 100% increase in disclosed storage).
Violation Division:	San Bernardino County Fire Department
Violation Program:	HMRRP
Violation Source:	CERS,
Site ID:	56188
Site Name:	PEP BOYS-FONTANA #680
Violation Date:	11-08-2017
Citation:	HSC 6.5 Multiple - California Health and Safety Code, Chapter 6.5, Section(s) Multiple
Violation Description:	Hazardous Waste Generator Program - Operations/Maintenance - General
Violation Notes:	Returned to compliance on 09/23/2020. Failure to note accumulation start date on labels (CCR 66262.34(f)(2)) The hazardous waste labeling on a container of parts washer related waste has faded and is no longer legible and there was no accumulation start date on a container or defective retail product hazardous waste.
Violation Division:	San Bernardino County Fire Department
Violation Program:	HW
Violation Source:	CERS,
Site ID:	56188
Site Name:	PEP BOYS-FONTANA #680
Violation Date:	09-23-2020
Citation:	HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description:	Failure to complete and electronically submit hazardous material inventory information for all reportable hazardous materials on site at or above reportable quantities.
Violation Notes:	Returned to compliance on 09/24/2020. OBSERVATION: Observed (2) 55-gallon drums of waste oily solids that were not disclosed on the hazardous materials inventory via CERS. Your CERS ID number is 10043044. CORRECTIVE ACTION: Update the hazardous materials inventory via CERS by adding (2) 55-gallon drums of waste oily solids.
Violation Division:	San Bernardino County Fire Department
Violation Program:	HMRRP
Violation Source:	CERS,
Site ID:	56188
Site Name:	PEP BOYS-FONTANA #680
Violation Date:	11-08-2017
Citation:	HSC 6.5 Multiple - California Health and Safety Code, Chapter 6.5, Section(s) Multiple
Violation Description:	Hazardous Waste Generator Program - Operations/Maintenance - General
Violation Notes:	Returned to compliance on 09/23/2020. Failure to complete hazardous waste labels (CCR 66262.34(f)(3)) The hazardous waste labeling on a container of parts washer related waste has faded and is no longer legible.
Violation Division:	San Bernardino County Fire Department
Violation Program:	HW
Violation Source:	CERS,
Site ID:	56188
Site Name:	PEP BOYS-FONTANA #680
Violation Date:	10-08-2014
Citation:	HSC 6.5 Multiple Sections - California Health and Safety Code, Chapter 6.5, Section(s) Multiple Sections
Violation Description:	Haz Waste Generator Program - Operations/Maintenance - General
Violation Notes:	Returned to compliance on 10/08/2014. Failure to operate and maintain facility to prevent a fire, spill or release (CCR 66265.31) Some small spills observed in the hazardous waste storage area. Spills appear to be related to transfer of oil to the main waste oil storage tank. Revise practices to avoid oil spillage.
Violation Division:	San Bernardino County Fire Department
Violation Program:	HW

PEP BOYS #680, 16711 VALLEY BLVD, FONTANA, CA 92335-6692 (Continued)

Violation Source:	CERS,
Site ID:	56188
Site Name:	PEP BOYS-FONTANA #680
Violation Date:	11-08-2017
Citation:	HSC 6.5 Multiple - California Health and Safety Code, Chapter 6.5, Section(s) Multiple
Violation Description:	Hazardous Waste Generator Program - Operations/Maintenance - General
Violation Notes:	Returned to compliance on 09/23/2020. Failure to keep hazardous waste containers closed when not in active use (CCR 66265.173(a)) A 16-gallon container of waste brake fluid and 55 gallon container of oil/absorbent (paper filter) waste were not sealed.
Violation Division:	San Bernardino County Fire Department
Violation Program:	HW
Violation Source:	CERS,
Site ID:	56188
Site Name:	PEP BOYS-FONTANA #680
Violation Date:	11-08-2017
Citation:	HSC 6.5 Multiple - California Health and Safety Code, Chapter 6.5, Section(s) Multiple
Violation Description:	Hazardous Waste Generator Program - Operations/Maintenance - General
Violation Notes:	Returned to compliance on 09/23/2020. Failure to label hazardous waste containers (CCR 66262.34(f)(3)) A defective retail product hazardous waste container lacked the required hazardous waste labeling.
Violation Division:	San Bernardino County Fire Department
Violation Program:	HW
Violation Source:	CERS,
Site ID:	56188
Site Name:	PEP BOYS-FONTANA #680
Violation Date:	11-08-2017
Citation:	HSC 6.5 Multiple - California Health and Safety Code, Chapter 6.5, Section(s) Multiple
Violation Description:	Hazardous Waste Generator Program - Operations/Maintenance - General
Violation Notes:	Returned to compliance on 09/23/2020. Failure to operate and maintain facility to prevent a fire, spill or release (CCR 66265.31) Petroleum spill observed on the floor in one corner of the hazardous material storage room.
Violation Division:	San Bernardino County Fire Department
Violation Program:	HW
Violation Source:	CERS,
Site ID:	56188
Site Name:	PEP BOYS-FONTANA #680
Violation Date:	11-08-2017
Citation:	HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description:	Failure to complete and electronically submit a site map with all required content.
Violation Notes:	Returned to compliance on 09/23/2020. Trench drains at each service bay opening and the three compartment clarifier and holding tank are not depicted on the facility site map.
Violation Division:	San Bernardino County Fire Department
Violation Program:	HMRRP
Violation Source:	CERS,
Site ID:	56188
Site Name:	PEP BOYS-FONTANA #680
Violation Date:	11-08-2017
Citation:	HSC 6.5 25250.22 - California Health and Safety Code, Chapter 6.5, Section(s) 25250.22
Violation Description:	Failure to properly manage used oil and/or fuel filters in accordance with the requirements.
Violation Notes:	Returned to compliance on 09/23/2020. Used oil filter containers are not maintained in a closed condition.

PEP BOYS #680, 16711 VALLEY BLVD, FONTANA, CA 92335-6692 (Continued)

Violation Division:	San Bernardino County Fire Department
Violation Program:	HW
Violation Source:	CERS,

Evaluation:

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	09-23-2020
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Not Reported
Eval Division:	San Bernardino County Fire Department
Eval Program:	HMRRP
Eval Source:	CERS,

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	11-08-2017
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Not Reported
Eval Division:	San Bernardino County Fire Department
Eval Program:	HMRRP
Eval Source:	CERS,

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	09-23-2020
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Not Reported
Eval Division:	San Bernardino County Fire Department
Eval Program:	HW
Eval Source:	CERS,

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	10-08-2014
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Routine inspection
Eval Division:	San Bernardino County Fire Department
Eval Program:	HMRRP
Eval Source:	CERS,

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	10-08-2014
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Routine inspection
Eval Division:	San Bernardino County Fire Department
Eval Program:	HW
Eval Source:	CERS,

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	11-08-2017

PEP BOYS #680, 16711 VALLEY BLVD, FONTANA, CA 92335-6692 (Continued)

Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Not Reported
Eval Division:	San Bernardino County Fire Department
Eval Program:	HW
Eval Source:	CERS,

Enforcement Action:

Site ID:	56188
Site Name:	PEP BOYS-FONTANA #680
Site Address:	16711 VALLEY BLVD
Site City:	FONTANA
Site Zip:	92335
Enf Action Date:	10-08-2014
Enf Action Type:	Notice of Violation (Unified Program)
Enf Action Description:	Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes:	Not Reported
Enf Action Division:	San Bernardino County Fire Department
Enf Action Program:	HW
Enf Action Source:	CERS,

Coordinates:

Site ID:	56188
Facility Name:	PEP BOYS-FONTANA #680
Env Int Type Code:	HWG
Program ID:	10043044
Coord Name:	Not Reported
Ref Point Type Desc:	Unknown,
Latitude:	34.069267
Longitude:	-117.439003

Affiliation:

Affiliation Type Desc:	Operator
Entity Name:	Pep Boys Corpora??on
Entity Title:	Not Reported
Affiliation Address:	Not Reported
Affiliation City:	Not Reported
Affiliation State:	Not Reported
Affiliation Country:	Not Reported
Affiliation Zip:	Not Reported
Affiliation Phone:	(215) 430-9226,
Affiliation Type Desc:	CUPA District
Entity Name:	San Bernardino County Fire
Entity Title:	Not Reported
Affiliation Address:	620 South E Street
Affiliation City:	San Bernardino
Affiliation State:	CA
Affiliation Country:	Not Reported

PEP BOYS #680, 16711 VALLEY BLVD, FONTANA, CA 92335-6692 (Continued)

Affiliation Zip:	92415-0153
Affiliation Phone:	(909) 386-8401,
Affiliation Type Desc:	Document Preparer
Entity Name:	David Abraham
Entity Title:	Not Reported
Affiliation Address:	Not Reported
Affiliation City:	Not Reported
Affiliation State:	Not Reported
Affiliation Country:	Not Reported
Affiliation Zip:	Not Reported
Affiliation Phone:	,
Affiliation Type Desc:	Environmental Contact
Entity Name:	David Abraham
Entity Title:	Not Reported
Affiliation Address:	3111 W Allegheny Ave, A??n: Environmental Department
Affiliation City:	Philadelphia
Affiliation State:	PA
Affiliation Country:	Not Reported
Affiliation Zip:	19132
Affiliation Phone:	,
Affiliation Type Desc:	Parent Corporation
Entity Name:	Pep Boys- Manny, Moe & Jack
Entity Title:	Not Reported
Affiliation Address:	Not Reported
Affiliation City:	Not Reported
Affiliation State:	Not Reported
Affiliation Country:	Not Reported
Affiliation Zip:	Not Reported
Affiliation Phone:	,
Affiliation Type Desc:	Property Owner
Entity Name:	J.G. MANAGEMENT CO., INC
Entity Title:	Not Reported
Affiliation Address:	5743 Corsa Avenue, Suite 200
Affiliation City:	Westlake Village
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	91362
Affiliation Phone:	(818) 707-9494,
Affiliation Type Desc:	Facility Mailing Address
Entity Name:	Mailing Address
Entity Title:	Not Reported
Affiliation Address:	3111 W Allegheny Ave, A??n: Environmental Department
Affiliation City:	Philadelphia
Affiliation State:	PA
Affiliation Country:	Not Reported
Affiliation Zip:	19132
Affiliation Phone:	,

PEP BOYS #680, 16711 VALLEY BLVD, FONTANA, CA 92335-6692 (Continued)

Affiliation Type Desc:	Identification Signer
Entity Name:	David Abraham
Entity Title:	California EHS Manager
Affiliation Address:	Not Reported
Affiliation City:	Not Reported
Affiliation State:	Not Reported
Affiliation Country:	Not Reported
Affiliation Zip:	Not Reported
Affiliation Phone:	,
Affiliation Type Desc:	Legal Owner
Entity Name:	Pep Boys Corpora??on
Entity Title:	Not Reported
Affiliation Address:	3111 W Allegheny Ave, A??n: Environmental Department
Affiliation City:	Philadelphia
Affiliation State:	PA
Affiliation Country:	United States
Affiliation Zip:	19132
Affiliation Phone:	(215) 430-9095,

INTERNATIONAL RADIATOR 16770 VALLEY BLVD STE C, FONTANA, CA, 92335		S110986933
▲ C5	ENE <1/10 (481 ft. / 0.091 mi.) 9 ft. Higher Elevation 1124 ft. Above Sea Level	Local Lists of Hazardous waste / Contaminated Sites Other Ascertainable Records

Worksheet:

Impact on Target Property: VEC does not exist

Comments: The source is not within the area of concern, based on its distance, gradient and suspected chemical of concern.

CERS HAZ WASTE: Local Lists of Hazardous waste / Contaminated Sites

Name:	INTERNATIONAL RADIATOR
Address:	16770 VALLEY BLVD STE C
City,State,Zip:	FONTANA, CA 92335
Site ID:	124582
CERS ID:	10311904
CERS Description:	Hazardous Waste Generator

HAZNET: Other Ascertainable Records

Name:	INTERNATIONAL RADIATOR SERVICE
Address:	16770 VALLEY BLVD
Address 2:	Not Reported
City,State,Zip:	FONTANA, CA 923356635
Contact:	RUBEN ROJAS
Telephone:	9094289977
Mailing Name:	Not Reported
Mailing Address:	16770 VALLEY BLVD
Year:	2016

INTERNATIONAL RADIATOR, 16770 VALLEY BLVD STE C, FONTANA, CA 92335 (Continued)

Gepaid:	CAL000358373
TSD EPA ID:	NMD002208627
CA Waste Code:	341 - Organic liquids (nonsolvents) with halogens
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.241

San Bern. Co. Permit: Other Ascertainable Records

Name:	INTERNATIONAL RADIATOR
Address:	16770 VALLEY BLVD STE C
City,State,Zip:	FONTANA, CA 92335
Region:	SAN BERNARDINO
Facility ID:	FA0013660
Owner:	fabio bucio
Permit Number:	PT0023974
Permit Category:	HAZARDOUS MATERIALS 1-3 CHEMICALS
Facility Status:	ACTIVE
Expiration Date:	12/31/2021

Name:	INTERNATIONAL RADIATOR
Address:	16770 VALLEY BLVD STE C
City,State,Zip:	FONTANA, CA 92335
Region:	SAN BERNARDINO
Facility ID:	FA0013660
Owner:	fabio bucio
Permit Number:	PT0023975
Permit Category:	SMALL QUANTITY GENERATOR
Facility Status:	ACTIVE
Expiration Date:	12/31/2021

CERS: Other Ascertainable Records

Name:	INTERNATIONAL RADIATOR
Address:	16770 VALLEY BLVD STE C
City,State,Zip:	FONTANA, CA 92335
Site ID:	124582
CERS ID:	10311904
CERS Description:	Chemical Storage Facilities

Violations:

Site ID:	124582
Site Name:	INTERNATIONAL RADIATOR
Violation Date:	11-12-2014
Citation:	HSC 6.5 Multiple Sections - California Health and Safety Code, Chapter 6.5, Section(s) Multiple Sections
Violation Description:	Haz Waste Generator Program - Operations/Maintenance - General
Violation Notes:	Returned to compliance on 01/21/2015. Failure to establish a Contingency Plan (CCR 66265.51(a)) A business emergency contingency plan has not been established or submitted electronically using the CERS system.
Violation Division:	San Bernardino County Fire Department
Violation Program:	HW
Violation Source:	CERS,

INTERNATIONAL RADIATOR, 16770 VALLEY BLVD STE C, FONTANA, CA 92335 (Continued)

Site ID:	124582
Site Name:	INTERNATIONAL RADIATOR
Violation Date:	09-23-2020
Citation:	HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description:	Failure to annually review and electronically certify that the business plan is complete and accurate on or before the annual due date.
Violation Notes:	OBSERVATION: The facility Hazardous Materials Business Plan was last certified via CERS on 1/21/2015. Your CERS ID number is 10311904. CORRECTIVE ACTION: Review and certify the facility business plan via CERS.
Violation Division:	San Bernardino County Fire Department
Violation Program:	HMRRP
Violation Source:	CERS,
Site ID:	124582
Site Name:	INTERNATIONAL RADIATOR
Violation Date:	09-23-2020
Citation:	HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description:	Failure to complete and electronically submit hazardous material inventory information for all reportable hazardous materials on site at or above reportable quantities.
Violation Notes:	OBSERVATION: Each hazardous material listed on the hazardous materials inventory us currently assigned a federal hazard category that is now obsolete. Also waste coolant is missing the state waste code within the chemical description. CORRECTIVE ACTION: Update the hazardous materials inventory by assigning federal hazard categories for each hazardous material from the list of categories and also provide a state waste code for waste coolant.
Violation Division:	San Bernardino County Fire Department
Violation Program:	HMRRP
Violation Source:	CERS,
Site ID:	124582
Site Name:	INTERNATIONAL RADIATOR
Violation Date:	11-30-2017
Citation:	HSC 6.5 Multiple - California Health and Safety Code, Chapter 6.5, Section(s) Multiple
Violation Description:	Hazardous Waste Generator Program - Operations/Maintenance - General
Violation Notes:	Failure to keep hazardous waste containers closed when not in active use (CCR 66265.173(a)) Used oil/water waste containers are not maintained in a sealed condition.
Violation Division:	San Bernardino County Fire Department
Violation Program:	HW
Violation Source:	CERS,
Site ID:	124582
Site Name:	INTERNATIONAL RADIATOR
Violation Date:	09-23-2020
Citation:	22 CCR 12 66262.12 - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.12
Violation Description:	Failure to obtain an Identification Number prior to treating, storing, disposing of, transporting or offering for transportation any hazardous waste.
Violation Notes:	OBSERVATION: EPA ID number CAL000403951 was inactive at the time of inspection. CORRECTIVE ACTION: Reactivate the facility EPA ID number by submitting form 1358 to DTSC. Submit the completed Certificate of Compliance (CofC) to this Divison indicating that the EPA ID number has been reactivated.
Violation Division:	San Bernardino County Fire Department
Violation Program:	HW
Violation Source:	CERS,
Site ID:	124582
Site Name:	INTERNATIONAL RADIATOR
Violation Date:	11-30-2017
Citation:	HSC 6.5 Multiple - California Health and Safety Code, Chapter 6.5, Section(s) Multiple

INTERNATIONAL RADIATOR, 16770 VALLEY BLVD STE C, FONTANA, CA 92335 (Continued)

Violation Description:	Hazardous Waste Generator Program - Operations/Maintenance - General
Violation Notes:	Failure to note accumulation start date on labels (CCR 66262.34(f)(2)) Used oil/water waste containers lacked an accumulation start date.
Violation Division:	San Bernardino County Fire Department
Violation Program:	HW
Violation Source:	CERS,
Site ID:	124582
Site Name:	INTERNATIONAL RADIATOR
Violation Date:	11-12-2014
Citation:	HSC 6.95 25508(d) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(d)
Violation Description:	Failure to complete and/or electronically submit a business plan when storing/handling a hazardous material at or above reportable quantities.
Violation Notes:	Returned to compliance on 01/21/2015. A business emergency contingency plan has not been established or submitted electronically using the CERS system.
Violation Division:	San Bernardino County Fire Department
Violation Program:	HMRRP
Violation Source:	CERS,
Site ID:	124582
Site Name:	INTERNATIONAL RADIATOR
Violation Date:	11-30-2017
Citation:	HSC 6.5 Multiple - California Health and Safety Code, Chapter 6.5, Section(s) Multiple
Violation Description:	Hazardous Waste Generator Program - Operations/Maintenance - General
Violation Notes:	Failure to manage used oil lawfully (CHSC 25250.4) Maintain records of used oil/water waste disposal; no records of this waste disposal were available for examination. Submit the signed Certificate of Compliance statement as a proof of compliance document.
Violation Division:	San Bernardino County Fire Department
Violation Program:	HW
Violation Source:	CERS,
Site ID:	124582
Site Name:	INTERNATIONAL RADIATOR
Violation Date:	11-30-2017
Citation:	HSC 6.5 Multiple - California Health and Safety Code, Chapter 6.5, Section(s) Multiple
Violation Description:	Hazardous Waste Generator Program - Operations/Maintenance - General
Violation Notes:	Failure to label hazardous waste containers (CCR 66262.34(f)(3)) Failure to label three 5-gallon containers of used oil/water waste.
Violation Division:	San Bernardino County Fire Department
Violation Program:	HW
Violation Source:	CERS,
Site ID:	124582
Site Name:	INTERNATIONAL RADIATOR
Violation Date:	11-30-2017
Citation:	HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description:	Failure to complete and electronically submit hazardous material inventory information for all reportable hazardous materials on site at or above reportable quantities.
Violation Notes:	Failure to disclose used oil storage on the facility Business plan inventory.
Violation Division:	San Bernardino County Fire Department
Violation Program:	HMRRP
Violation Source:	CERS,
Site ID:	124582
Site Name:	INTERNATIONAL RADIATOR

INTERNATIONAL RADIATOR, 16770 VALLEY BLVD STE C, FONTANA, CA 92335 (Continued)

Violation Date:	11-30-2017
Citation:	HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description:	Failure to annually review and electronically certify that the business plan is complete and accurate on or before the annual due date.
Violation Notes:	Failure to annually update the facility Business Plan (BP); the "BP" was last updated in 2015.
Violation Division:	San Bernardino County Fire Department
Violation Program:	HMRRP
Violation Source:	CERS,
Site ID:	124582
Site Name:	INTERNATIONAL RADIATOR
Violation Date:	11-12-2014
Citation:	HSC 6.95 25507 - California Health and Safety Code, Chapter 6.95, Section(s) 25507
Violation Description:	Failure to adequately establish and implement a business plan when storing/handling a hazardous material at or above reportable quantities.
Violation Notes:	Returned to compliance on 01/21/2015. A business emergency contingency plan has not been established or submitted electronically using the CERS system.
Violation Division:	San Bernardino County Fire Department
Violation Program:	HMRRP
Violation Source:	CERS,
Site ID:	124582
Site Name:	INTERNATIONAL RADIATOR
Violation Date:	11-12-2014
Citation:	HSC 6.5 Multiple - California Health and Safety Code, Chapter 6.5, Section(s) Multiple
Violation Description:	Haz Waste Generator Program - Administration/Documentation - General
Violation Notes:	Returned to compliance on 01/21/2015. Failure to obtain an EPA ID Number (CCR 66262.12(a)) Since the change in ownership occurred in July a new EPA ID has not been obtained. Using the provided forms obtain a new EPA ID from the DTSC. Submit a copy of this number to this agency.
Violation Division:	San Bernardino County Fire Department
Violation Program:	HW
Violation Source:	CERS,
Site ID:	124582
Site Name:	INTERNATIONAL RADIATOR
Violation Date:	11-30-2017
Citation:	HSC 6.5 Multiple - California Health and Safety Code, Chapter 6.5, Section(s) Multiple
Violation Description:	Hazardous Waste Generator Program - Administration/Documentation - General
Violation Notes:	Failure to obtain an EPA ID Number (CCR 66262.12(a)) Failure to maintain an active hazardous waste ID number.
Violation Division:	San Bernardino County Fire Department
Violation Program:	HW
Violation Source:	CERS,

Evaluation:

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	11-12-2014
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	International Radiator
Eval Division:	San Bernardino County Fire Department
Eval Program:	HMRRP
Eval Source:	CERS,

INTERNATIONAL RADIATOR, 16770 VALLEY BLVD STE C, FONTANA, CA 92335 (Continued)

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	11-30-2017
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Not Reported
Eval Division:	San Bernardino County Fire Department
Eval Program:	HMRRP
Eval Source:	CERS,

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	09-23-2020
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Not Reported
Eval Division:	San Bernardino County Fire Department
Eval Program:	HMRRP
Eval Source:	CERS,

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	09-23-2020
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Not Reported
Eval Division:	San Bernardino County Fire Department
Eval Program:	HW
Eval Source:	CERS,

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	11-12-2014
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	International radiator inspection
Eval Division:	San Bernardino County Fire Department
Eval Program:	HW
Eval Source:	CERS,

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	11-30-2017
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Not Reported
Eval Division:	San Bernardino County Fire Department
Eval Program:	HW
Eval Source:	CERS,

Enforcement Action:

Site ID:	124582
Site Name:	INTERNATIONAL RADIATOR
Site Address:	16770 VALLEY BLVD STE C
Site City:	FONTANA
Site Zip:	92335

INTERNATIONAL RADIATOR, 16770 VALLEY BLVD STE C, FONTANA, CA 92335 (Continued)

Enf Action Date:	11-12-2014
Enf Action Type:	Notice of Violation (Unified Program)
Enf Action Description:	Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes:	Not Reported
Enf Action Division:	San Bernardino County Fire Department
Enf Action Program:	HMRRP
Enf Action Source:	CERS,
Site ID:	124582
Site Name:	INTERNATIONAL RADIATOR
Site Address:	16770 VALLEY BLVD STE C
Site City:	FONTANA
Site Zip:	92335
Enf Action Date:	11-12-2014
Enf Action Type:	Notice of Violation (Unified Program)
Enf Action Description:	Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes:	Not Reported
Enf Action Division:	San Bernardino County Fire Department
Enf Action Program:	HW
Enf Action Source:	CERS,

Affiliation:

Affiliation Type Desc:	CUPA District
Entity Name:	San Bernardino County Fire
Entity Title:	Not Reported
Affiliation Address:	620 South E Street
Affiliation City:	San Bernardino
Affiliation State:	CA
Affiliation Country:	Not Reported
Affiliation Zip:	92415-0153
Affiliation Phone:	(909) 386-8401,
Affiliation Type Desc:	Facility Mailing Address
Entity Name:	Mailing Address
Entity Title:	Not Reported
Affiliation Address:	16770 VALLEY BLVD, STE C
Affiliation City:	FONTANA
Affiliation State:	CA
Affiliation Country:	Not Reported
Affiliation Zip:	92335
Affiliation Phone:	,
Affiliation Type Desc:	Identification Signer
Entity Name:	fabio
Entity Title:	owner
Affiliation Address:	Not Reported
Affiliation City:	Not Reported
Affiliation State:	Not Reported
Affiliation Country:	Not Reported
Affiliation Zip:	Not Reported
Affiliation Phone:	,

INTERNATIONAL RADIATOR, 16770 VALLEY BLVD STE C, FONTANA, CA 92335 (Continued)

Affiliation Type Desc:	Document Preparer
Entity Name:	fabio bucio
Entity Title:	Not Reported
Affiliation Address:	Not Reported
Affiliation City:	Not Reported
Affiliation State:	Not Reported
Affiliation Country:	Not Reported
Affiliation Zip:	Not Reported
Affiliation Phone:	,
Affiliation Type Desc:	Operator
Entity Name:	international radiator service
Entity Title:	Not Reported
Affiliation Address:	Not Reported
Affiliation City:	Not Reported
Affiliation State:	Not Reported
Affiliation Country:	Not Reported
Affiliation Zip:	Not Reported
Affiliation Phone:	(909) 428-9977,
Affiliation Type Desc:	Environmental Contact
Entity Name:	SERGIO R ROJAS
Entity Title:	Not Reported
Affiliation Address:	16770 VALLEY
Affiliation City:	FONTANA
Affiliation State:	CA
Affiliation Country:	Not Reported
Affiliation Zip:	92335
Affiliation Phone:	,
Affiliation Type Desc:	Legal Owner
Entity Name:	fabio bucio
Entity Title:	Not Reported
Affiliation Address:	16770 valley blvd
Affiliation City:	fontana
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	92335
Affiliation Phone:	(909) 428-9977,
Affiliation Type Desc:	Parent Corporation
Entity Name:	INTERNATIONAL RADIATOR
Entity Title:	Not Reported
Affiliation Address:	Not Reported
Affiliation City:	Not Reported
Affiliation State:	Not Reported
Affiliation Country:	Not Reported
Affiliation Zip:	Not Reported
Affiliation Phone:	,

HWTS: Other Ascertainable Records

INTERNATIONAL RADIATOR, 16770 VALLEY BLVD STE C, FONTANA, CA 92335 (Continued)

Name:	INTERNATIONAL RADIATOR SERVICE
Address:	16770 VALLEY BLVD
Address 2:	Not Reported
City,State,Zip:	FONTANA, CA 92335
EPA ID:	CAL000358373
Inactive Date:	06/30/2012
Create Date:	11/02/2010
Last Act Date:	Not Reported
Mailing Name:	Not Reported
Mailing Address:	16770 VALLEY BLVD
Mailing Address 2:	Not Reported
Mailing City,State,Zip:	FONTANA, CA 923356635
Owner Name:	MARIA DEL CARMEN MAGANELLES
Owner Address:	16770 VALLEY BLVD
Owner Address 2:	Not Reported
Owner City,State,Zip:	FONTANA, CA 923356635
Contact Name:	RUBEN ROJAS
Contact Address:	16770 VALLEY BLVD
Contact Address 2:	Not Reported
City,State,Zip:	FONTANA, CA 923356635
Facility Status:	Inactive
Facility Type:	PERMANENT
Category:	STATE
Latitude:	34.07088
Longitude:	-117.43858

NAICS:

EPA ID:	CAL000358373
Create Date:	2010-11-02 11:26:51.790
NAICS Code:	811111
NAICS Description:	General Automotive Repair
Issued EPA ID Date:	2010-11-02 11:26:51.77300
Inactive Date:	2012-06-30 00:00:00
Facility Name:	INTERNATIONAL RADIATOR SERVICE
Facility Address:	16770 VALLEY BLVD
Facility Address 2:	Not Reported
Facility City:	FONTANA
Facility County:	Not Reported
Facility State:	CA
Facility Zip:	923356635

SALLY BEAUTY SUPPLIES 16771 VALLEY BLVD, FONTANA, CA, 92335		S120765455	
▲ C6	ENE 1/10 - 1/3	(569 ft. / 0.108 mi.)	Local Lists of Hazardous waste / Contaminated Sites Other Ascertainable Records
	7 ft. Higher Elevation	1122 ft. Above Sea Level	

Worksheet:

Impact on Target Property: VEC does not exist
Comments: Chemicals of concern are not likely to be present at this source.

CERS HAZ WASTE: Local Lists of Hazardous waste / Contaminated Sites

Name:	SALLY BEAUTY SUPPLY #1791
Address:	16771 VALLEY BLVD
City,State,Zip:	FONTANA, CA 92335
Site ID:	366276
CERS ID:	10664278
CERS Description:	Hazardous Waste Generator

Violations:

Site ID:	366276
Site Name:	SALLY BEAUTY SUPPLY #1791
Violation Date:	03-28-2018
Citation:	22 CCR 12 66262.34(f) - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.34(f)
Violation Description:	Failure to properly label hazardous waste accumulation containers and portable tanks with the following requirements: "Hazardous Waste", name and address of the generator, physical and chemical characteristics of the Hazardous Waste, and starting accumulation date.
Violation Notes:	Returned to compliance on 03/28/2018. Failure to properly label the container of toxic waste; this hazardous waste is being identified as universal waste. Correction was made during the inspection. CB
Violation Division:	San Bernardino County Fire Department
Violation Program:	HW
Violation Source:	CERS,

Evaluation:

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	03-28-2018
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Not Reported
Eval Division:	San Bernardino County Fire Department
Eval Program:	HW
Eval Source:	CERS,

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	06-01-2021
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Not Reported
Eval Division:	San Bernardino County Fire Department
Eval Program:	HW
Eval Source:	CERS,

Coordinates:

Site ID:	366276
Facility Name:	SALLY BEAUTY SUPPLY #1791
Env Int Type Code:	HWG
Program ID:	10664278
Coord Name:	Not Reported
Ref Point Type Desc:	Center of a facility or station.,

SALLY BEAUTY SUPPLIES, 16771 VALLEY BLVD, FONTANA, CA 92335 (Continued)

Latitude:	34.069960
Longitude:	-117.438220

Affiliation:

Affiliation Type Desc:	Operator
Entity Name:	Sally Beauty Supply, LLC
Entity Title:	Not Reported
Affiliation Address:	Not Reported
Affiliation City:	Not Reported
Affiliation State:	Not Reported
Affiliation Country:	Not Reported
Affiliation Zip:	Not Reported
Affiliation Phone:	(940) 898-7500,
Affiliation Type Desc:	CUPA District
Entity Name:	San Bernardino County Fire
Entity Title:	Not Reported
Affiliation Address:	620 South E Street
Affiliation City:	San Bernardino
Affiliation State:	CA
Affiliation Country:	Not Reported
Affiliation Zip:	92415-0153
Affiliation Phone:	(909) 386-8401,
Affiliation Type Desc:	Document Preparer
Entity Name:	John Koning, Agent for Sally Holdings LLC
Entity Title:	Not Reported
Affiliation Address:	Not Reported
Affiliation City:	Not Reported
Affiliation State:	Not Reported
Affiliation Country:	Not Reported
Affiliation Zip:	Not Reported
Affiliation Phone:	,
Affiliation Type Desc:	Facility Mailing Address
Entity Name:	Mailing Address
Entity Title:	Not Reported
Affiliation Address:	3207 Grey Hawk Ct., Ste 200
Affiliation City:	Carlsbad
Affiliation State:	CA
Affiliation Country:	Not Reported
Affiliation Zip:	92010-6664
Affiliation Phone:	,
Affiliation Type Desc:	Parent Corporation
Entity Name:	Sally Holdings LLC
Entity Title:	Not Reported
Affiliation Address:	Not Reported
Affiliation City:	Not Reported
Affiliation State:	Not Reported
Affiliation Country:	Not Reported

SALLY BEAUTY SUPPLIES, 16771 VALLEY BLVD, FONTANA, CA 92335 (Continued)

Affiliation Zip:	Not Reported
Affiliation Phone:	,
Affiliation Type Desc:	Environmental Contact
Entity Name:	DEBBIE MIDDLETON
Entity Title:	Not Reported
Affiliation Address:	3001 Colorado Blvd
Affiliation City:	Denton
Affiliation State:	TX
Affiliation Country:	Not Reported
Affiliation Zip:	76210
Affiliation Phone:	,
Affiliation Type Desc:	Identification Signer
Entity Name:	Eric Ensminger, Agent for Sally Holdings LLC
Entity Title:	Regulatory Compliance Specialist, Verisk 3E
Affiliation Address:	Not Reported
Affiliation City:	Not Reported
Affiliation State:	Not Reported
Affiliation Country:	Not Reported
Affiliation Zip:	Not Reported
Affiliation Phone:	,
Affiliation Type Desc:	Legal Owner
Entity Name:	Sally Holdings LLC
Entity Title:	Not Reported
Affiliation Address:	3001 Colorado Blvd
Affiliation City:	Denton
Affiliation State:	TX
Affiliation Country:	United States
Affiliation Zip:	76210
Affiliation Phone:	(940) 898-7500,

HAZNET: Other Ascertainable Records

Name:	SALLY BEAUTY SUPPLIES
Address:	16771 VALLEY BLVD
Address 2:	Not Reported
City,State,Zip:	FONTANA, CA 083500000
Contact:	DAVID EPSTEIN
Telephone:	8566928100
Mailing Name:	Not Reported
Mailing Address:	PO BOX 339
Year:	2018
Gepaid:	CAL000411721
TSD EPA ID:	MXC130619001
CA Waste Code:	331 - Off-specification, aged or surplus organics
Disposal Method:	H020 - Solvents Recovery
Tons:	0.03650
Year:	2018

SALLY BEAUTY SUPPLIES, 16771 VALLEY BLVD, FONTANA, CA 92335 (Continued)

Gepaid:	CAL000411721
TSD EPA ID:	MXC130619001
CA Waste Code:	352 - Other organic solids
Disposal Method:	H050 - Energy Recovery At This Site--Use As Fuel(Includes On-Site Fuel Blending)
Tons:	0.07000
Year:	2018
Gepaid:	CAL000411721
TSD EPA ID:	MXC130619001
CA Waste Code:	561 - Detergent waste chemicals
Disposal Method:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Tons:	0.08000
Year:	2017
Gepaid:	CAL000411721
TSD EPA ID:	MXC130619001
CA Waste Code:	561 - Detergent waste chemicals
Disposal Method:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Tons:	0.1475
Year:	2017
Gepaid:	CAL000411721
TSD EPA ID:	MXC130619001
CA Waste Code:	352 - Other organic solids
Disposal Method:	H050 - Energy Recovery At This Site--Use As Fuel(Includes On-Site Fuel Blending)
Tons:	0.026
Year:	2017
Gepaid:	CAL000411721
TSD EPA ID:	MXC130619001
CA Waste Code:	331 - Off-specification, aged or surplus organics
Disposal Method:	H020 - Solvents Recovery
Tons:	0.0635
Year:	2016
Gepaid:	CAL000411721
TSD EPA ID:	MXC130619001
CA Waste Code:	551 - Laboratory waste chemicals
Disposal Method:	H050 - Energy Recovery At This Site--Use As Fuel(Includes On-Site Fuel Blending)
Tons:	0.006
Year:	2016
Gepaid:	CAL000411721
TSD EPA ID:	MXC130619001
CA Waste Code:	561 - Detergent waste chemicals
Disposal Method:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Tons:	0.0435
Year:	2016
Gepaid:	CAL000411721
TSD EPA ID:	MXC130619001
CA Waste Code:	352 - Other organic solids
Disposal Method:	H050 - Energy Recovery At This Site--Use As Fuel(Includes On-Site Fuel Blending)

SALLY BEAUTY SUPPLIES, 16771 VALLEY BLVD, FONTANA, CA 92335 (Continued)

Tons:	0.0375
Year:	2016
Gepaid:	CAL000411721
TSD EPA ID:	MXC130619001
CA Waste Code:	331 - Off-specification, aged or surplus organics
Disposal Method:	H020 - Solvents Recovery
Tons:	0.076

The Click here to access 1 additional CA HAZNET: record(s) in the EDR Site Report. database contains
http://www.edrnet.com/srf2/FinalSiteReport.aspx?ID=4Jx4mjJ5Exra2vUmO7jdZ9w55liEAc3iyrgia3f33MvFKUKb2GKO.H7yw5WNdWbZlAAEfwv85DKA.3lBWiP43pWAPdcQd4YNJLQxFW2YbmcCj2a8FZ5B2EdT2eAr75aS984CvhbUmN2phOGi7re9ipd.zZCI4mpwf25cc4ZnlI7iH44xSJYfxaZ3ETmcAjCw2sq5iZE45967rHMaPB2gjvg3UYc2tHO9L7hkBChdWJZOx2RWwB.5Cy6PFl4jiMA3T.ATucDJ14biPRyQY4BrgPFiSZukI3x9fH74fhJeYxDO3WLmVXj5Z2HI5DcEugUiarV8aMb3RxvIhUy94wEOlr7Tu2S6dVVZj696qwNR5fk8a0ltFiXo7PeA0Zca.6jViePylw7.3gdPiop7UX3akfJM2 additional records for this site. Please contact your EDR Account Executive for more information.

Additional Info:

Year:	2017
Gen EPA ID:	CAL000411721
Shipment Date:	20171016
Creation Date:	7/11/2018 18:31:13
Receipt Date:	20171027
Manifest ID:	017798654JJK
Trans EPA ID:	CAD981377864
Trans Name:	IDR ENVIRONMENTAL SERVICES
Trans 2 EPA ID:	CAR000194217
Trans 2 Name:	TEMARRY RECYCLING INC
TSDF EPA ID:	MXC130619001
Trans Name:	RECICLADORA TEMARRY DE MEXICO SA DE CV
TSDF Alt EPA ID:	Not Reported
TSDF Alt Name:	Not Reported
Waste Code Description:	561 - Not reported
RCRA Code:	Not Reported
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	0.045
Waste Quantity:	90
Quantity Unit:	P
Additional Code 1:	Not Reported
Additional Code 2:	Not Reported
Additional Code 3:	Not Reported
Additional Code 4:	Not Reported
Additional Code 5:	Not Reported
Shipment Date:	20171016
Creation Date:	7/11/2018 18:31:13
Receipt Date:	20171027
Manifest ID:	017798654JJK
Trans EPA ID:	CAD981377864
Trans Name:	IDR ENVIRONMENTAL SERVICES
Trans 2 EPA ID:	CAR000194217
Trans 2 Name:	TEMARRY RECYCLING INC
TSDF EPA ID:	MXC130619001

SALLY BEAUTY SUPPLIES, 16771 VALLEY BLVD, FONTANA, CA 92335 (Continued)

Trans Name:	RECICLADORA TEMARRY DE MEXICO SA DE CV
TSDF Alt EPA ID:	Not Reported
TSDF Alt Name:	Not Reported
Waste Code Description:	331 - Off-specification, aged, or surplus organics
RCRA Code:	F003
Meth Code:	H020 - Solvents Recovery
Quantity Tons:	0.0075
Waste Quantity:	15
Quantity Unit:	P
Additional Code 1:	D035
Additional Code 2:	D001
Additional Code 3:	Not Reported
Additional Code 4:	Not Reported
Additional Code 5:	Not Reported
Shipment Date:	20171016
Creation Date:	7/11/2018 18:31:13
Receipt Date:	20171027
Manifest ID:	017798654JJK
Trans EPA ID:	CAD981377864
Trans Name:	IDR ENVIRONMENTAL SERVICES
Trans 2 EPA ID:	CAR000194217
Trans 2 Name:	TEMARRY RECYCLING INC
TSDF EPA ID:	MXC130619001
Trans Name:	RECICLADORA TEMARRY DE MEXICO SA DE CV
TSDF Alt EPA ID:	Not Reported
TSDF Alt Name:	Not Reported
Waste Code Description:	331 - Off-specification, aged, or surplus organics
RCRA Code:	D035
Meth Code:	H020 - Solvents Recovery
Quantity Tons:	0.005
Waste Quantity:	10
Quantity Unit:	P
Additional Code 1:	D001
Additional Code 2:	Not Reported
Additional Code 3:	Not Reported
Additional Code 4:	Not Reported
Additional Code 5:	Not Reported
Shipment Date:	20171016
Creation Date:	7/11/2018 18:31:13
Receipt Date:	20171027
Manifest ID:	017798654JJK
Trans EPA ID:	CAD981377864
Trans Name:	IDR ENVIRONMENTAL SERVICES
Trans 2 EPA ID:	CAR000194217
Trans 2 Name:	TEMARRY RECYCLING INC
TSDF EPA ID:	MXC130619001
Trans Name:	RECICLADORA TEMARRY DE MEXICO SA DE CV
TSDF Alt EPA ID:	Not Reported
TSDF Alt Name:	Not Reported

SALLY BEAUTY SUPPLIES, 16771 VALLEY BLVD, FONTANA, CA 92335 (Continued)

Waste Code Description:	352 - Other organic solids
RCRA Code:	Not Reported
Meth Code:	H050 - Energy Recovery At This Site--Use As Fuel(Includes On-Site Fuel Blending)
Quantity Tons:	0.005
Waste Quantity:	10
Quantity Unit:	P
Additional Code 1:	Not Reported
Additional Code 2:	Not Reported
Additional Code 3:	Not Reported
Additional Code 4:	Not Reported
Additional Code 5:	Not Reported
Shipment Date:	20170724
Creation Date:	7/6/2018 18:30:51
Receipt Date:	20170803
Manifest ID:	017126729JJK
Trans EPA ID:	CAD981377864
Trans Name:	IDR ENVIRONMENTAL SERVICES
Trans 2 EPA ID:	CAR000194217
Trans 2 Name:	TEMARRY RECYCLING INC
TSDF EPA ID:	MXC130619001
Trans Name:	RECICLADORA TEMARRY DE MEXICO SA DE CV
TSDF Alt EPA ID:	Not Reported
TSDF Alt Name:	Not Reported
Waste Code Description:	331 - Off-specification, aged, or surplus organics
RCRA Code:	D035
Meth Code:	H020 - Solvents Recovery
Quantity Tons:	0.0075
Waste Quantity:	15
Quantity Unit:	P
Additional Code 1:	D001
Additional Code 2:	Not Reported
Additional Code 3:	Not Reported
Additional Code 4:	Not Reported
Additional Code 5:	Not Reported
Shipment Date:	20170724
Creation Date:	7/6/2018 18:30:51
Receipt Date:	20170803
Manifest ID:	017126729JJK
Trans EPA ID:	CAD981377864
Trans Name:	IDR ENVIRONMENTAL SERVICES
Trans 2 EPA ID:	CAR000194217
Trans 2 Name:	TEMARRY RECYCLING INC
TSDF EPA ID:	MXC130619001
Trans Name:	RECICLADORA TEMARRY DE MEXICO SA DE CV
TSDF Alt EPA ID:	Not Reported
TSDF Alt Name:	Not Reported
Waste Code Description:	331 - Off-specification, aged, or surplus organics
RCRA Code:	F003
Meth Code:	H020 - Solvents Recovery

SALLY BEAUTY SUPPLIES, 16771 VALLEY BLVD, FONTANA, CA 92335 (Continued)

Quantity Tons:	0.007
Waste Quantity:	14
Quantity Unit:	P
Additional Code 1:	D035
Additional Code 2:	D001
Additional Code 3:	Not Reported
Additional Code 4:	Not Reported
Additional Code 5:	Not Reported
Shipment Date:	20170724
Creation Date:	7/6/2018 18:30:51
Receipt Date:	20170803
Manifest ID:	017126729JJK
Trans EPA ID:	CAD981377864
Trans Name:	IDR ENVIRONMENTAL SERVICES
Trans 2 EPA ID:	CAR000194217
Trans 2 Name:	TEMARRY RECYCLING INC
TSDF EPA ID:	MXC130619001
Trans Name:	RECICLADORA TEMARRY DE MEXICO SA DE CV
TSDF Alt EPA ID:	Not Reported
TSDF Alt Name:	Not Reported
Waste Code Description:	561 - Not reported
RCRA Code:	Not Reported
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	0.045
Waste Quantity:	90
Quantity Unit:	P
Additional Code 1:	Not Reported
Additional Code 2:	Not Reported
Additional Code 3:	Not Reported
Additional Code 4:	Not Reported
Additional Code 5:	Not Reported
Shipment Date:	20170724
Creation Date:	7/6/2018 18:30:51
Receipt Date:	20170803
Manifest ID:	017126729JJK
Trans EPA ID:	CAD981377864
Trans Name:	IDR ENVIRONMENTAL SERVICES
Trans 2 EPA ID:	CAR000194217
Trans 2 Name:	TEMARRY RECYCLING INC
TSDF EPA ID:	MXC130619001
Trans Name:	RECICLADORA TEMARRY DE MEXICO SA DE CV
TSDF Alt EPA ID:	Not Reported
TSDF Alt Name:	Not Reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not Reported
Meth Code:	H050 - Energy Recovery At This Site--Use As Fuel(Includes On-Site Fuel Blending)
Quantity Tons:	0.0075
Waste Quantity:	15
Quantity Unit:	P

SALLY BEAUTY SUPPLIES, 16771 VALLEY BLVD, FONTANA, CA 92335 (Continued)

Additional Code 1:	Not Reported
Additional Code 2:	Not Reported
Additional Code 3:	Not Reported
Additional Code 4:	Not Reported
Additional Code 5:	Not Reported
Shipment Date:	20170406
Creation Date:	5/11/2018 18:34:48
Receipt Date:	20170419
Manifest ID:	017119237JJK
Trans EPA ID:	CAD981377864
Trans Name:	IDR ENVIRONMENTAL SERVICES
Trans 2 EPA ID:	CAR000194217
Trans 2 Name:	TEMARRY RECYCLING INC
TSDF EPA ID:	MXC130619001
Trans Name:	RECICLADORA TEMARRY DE MEXICO SA DE CV
TSDF Alt EPA ID:	Not Reported
TSDF Alt Name:	Not Reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not Reported
Meth Code:	H050 - Energy Recovery At This Site--Use As Fuel(Includes On-Site Fuel Blending)
Quantity Tons:	0.0075
Waste Quantity:	15
Quantity Unit:	P
Additional Code 1:	Not Reported
Additional Code 2:	Not Reported
Additional Code 3:	Not Reported
Additional Code 4:	Not Reported
Additional Code 5:	Not Reported
Shipment Date:	20170406
Creation Date:	5/11/2018 18:34:48
Receipt Date:	20170419
Manifest ID:	017119237JJK
Trans EPA ID:	CAD981377864
Trans Name:	IDR ENVIRONMENTAL SERVICES
Trans 2 EPA ID:	CAR000194217
Trans 2 Name:	TEMARRY RECYCLING INC
TSDF EPA ID:	MXC130619001
Trans Name:	RECICLADORA TEMARRY DE MEXICO SA DE CV
TSDF Alt EPA ID:	Not Reported
TSDF Alt Name:	Not Reported
Waste Code Description:	561 - Not reported
RCRA Code:	Not Reported
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	0.04
Waste Quantity:	80
Quantity Unit:	P
Additional Code 1:	Not Reported
Additional Code 2:	Not Reported
Additional Code 3:	Not Reported

SALLY BEAUTY SUPPLIES, 16771 VALLEY BLVD, FONTANA, CA 92335 (Continued)

Additional Code 4:	Not Reported
Additional Code 5:	Not Reported

San Bern. Co. Permit: Other Ascertainable Records

Name:	SALLY BEAUTY SUPPLY
Address:	16771 VALLEY BLVD
City,State,Zip:	FONTANA, CA 92335
Region:	SAN BERNARDINO
Facility ID:	FA0017284
Owner:	SALLY HOLDINGS LLC
Permit Number:	PT0036788
Permit Category:	CONDITIONALLY EXEMPT SM QTY GENERATOR SPECIAL
Facility Status:	ACTIVE
Expiration Date:	02/28/2022

Name:	SALLY BEAUTY SUPPLY
Address:	16771 VALLEY BLVD
City,State,Zip:	FONTANA, CA 92335
Region:	SAN BERNARDINO
Facility ID:	FA0017284
Owner:	SALLY HOLDINGS LLC
Permit Number:	PT0038193
Permit Category:	HAZMAT HANDLER GENERAL ACT.(NB)
Facility Status:	FEE EXEMPT
Expiration Date:	02/28/2018

HWTS: Other Ascertainable Records

Name:	SALLY BEAUTY SUPPLY #1791
Address:	16771 VALLEY BLVD
Address 2:	Not Reported
City,State,Zip:	FONTANA, CA 92335
EPA ID:	CAL000411721
Inactive Date:	Not Reported
Create Date:	10/28/2015
Last Act Date:	Not Reported
Mailing Name:	Not Reported
Mailing Address:	3207 GREY HAWK CT, SUITE 200
Mailing Address 2:	Not Reported
Mailing City,State,Zip:	CARLSBAD, CA 92010
Owner Name:	SALLY HOLDINGS LLC
Owner Address:	3001 COLORADO BLVD
Owner Address 2:	Not Reported
Owner City,State,Zip:	DENTON, TX 76210
Contact Name:	DEBBIE MIDDLETON
Contact Address:	3001 COLORADO BLVD
Contact Address 2:	Not Reported
City,State,Zip:	DENTON, TX 762100000
Facility Status:	Active
Facility Type:	PERMANENT

SALLY BEAUTY SUPPLIES, 16771 VALLEY BLVD, FONTANA, CA 92335 (Continued)

Category:	STATE
Latitude:	34.069959
Longitude:	-117.4382235

NAICS:

EPA ID:	CAL000411721
Create Date:	2015-10-28 14:01:43.247
NAICS Code:	44612
NAICS Description:	Cosmetics, Beauty Supplies, and Perfume Stores
Issued EPA ID Date:	2015-10-28 14:01:43.21300
Inactive Date:	Not Reported
Facility Name:	SALLY BEAUTY SUPPLY #1791
Facility Address:	16771 VALLEY BLVD
Facility Address 2:	Not Reported
Facility City:	FONTANA
Facility County:	Not Reported
Facility State:	CA
Facility Zip:	92335

MOBIL STATION
16894 VALLEY BLVD, FONTANA, CA, 92335 S101591773

▲ 7	ENE 1/10 - 1/3	(1223 ft. / 0.232 mi.)	Local Lists of Hazardous waste / Contaminated Sites Local Lists of Registered Storage Tanks Other Ascertainable Records
	11 ft. Higher Elevation	1126 ft. Above Sea Level	

Worksheet:

Impact on Target Property: VEC does not exist
Comments: The source is not within the area of concern, based on its distance, gradient and suspected chemical of concern.
Conditions:

Petroleum Hydrocarbon Chemicals of Concern: YES

CERS HAZ WASTE: Local Lists of Hazardous waste / Contaminated Sites

Name:	CIRCLE K STORES INC. SITE #2211306
Address:	16894 VALLEY BLVD
City,State,Zip:	FONTANA, CA 92335
Site ID:	19146
CERS ID:	10041142
CERS Description:	Hazardous Waste Generator

SWEEPS UST: Local Lists of Registered Storage Tanks

Name:	MOBIL STATION
Address:	16894 VALLEY BLVD
City:	FONTANA
Status:	Active
Comp Number:	39413
Number:	9
Board Of Equalization:	44-020981
Referral Date:	07-28-92

MOBIL STATION, 16894 VALLEY BLVD, FONTANA, CA 92335 (Continued)

Action Date:	07-28-92
Created Date:	02-29-88
Owner Tank Id:	1
SWRCB Tank Id:	36-000-039413-000001
Tank Status:	A
Capacity:	12000
Active Date:	08-25-88
Tank Use:	M.V. FUEL
STG:	P
Content:	REG UNLEADED
Number Of Tanks:	4
Name:	MOBIL STATION
Address:	16894 VALLEY BLVD
City:	FONTANA
Status:	Active
Comp Number:	39413
Number:	9
Board Of Equalization:	44-020981
Referral Date:	07-28-92
Action Date:	07-28-92
Created Date:	02-29-88
Owner Tank Id:	2
SWRCB Tank Id:	36-000-039413-000002
Tank Status:	A
Capacity:	10000
Active Date:	08-25-88
Tank Use:	M.V. FUEL
STG:	P
Content:	LEADED
Number Of Tanks:	Not Reported
Name:	MOBIL STATION
Address:	16894 VALLEY BLVD
City:	FONTANA
Status:	Active
Comp Number:	39413
Number:	9
Board Of Equalization:	44-020981
Referral Date:	07-28-92
Action Date:	07-28-92
Created Date:	02-29-88
Owner Tank Id:	3
SWRCB Tank Id:	36-000-039413-000003
Tank Status:	A
Capacity:	6000
Active Date:	08-25-88
Tank Use:	M.V. FUEL
STG:	P
Content:	REG UNLEADED
Number Of Tanks:	Not Reported

MOBIL STATION, 16894 VALLEY BLVD, FONTANA, CA 92335 (Continued)

Name:	MOBIL STATION
Address:	16894 VALLEY BLVD
City:	FONTANA
Status:	Active
Comp Number:	39413
Number:	9
Board Of Equalization:	44-020981
Referral Date:	07-28-92
Action Date:	07-28-92
Created Date:	02-29-88
Owner Tank Id:	4
SWRCB Tank Id:	36-000-039413-000004
Tank Status:	A
Capacity:	280
Active Date:	08-25-88
Tank Use:	OIL
STG:	W
Content:	WASTE OIL
Number Of Tanks:	Not Reported

CA FID UST: Local Lists of Registered Storage Tanks

Facility ID:	36008968
Regulated By:	UTNKA
Regulated ID:	00039413
Cortese Code:	Not Reported
SIC Code:	Not Reported
Facility Phone:	Not Reported
Mail To:	Not Reported
Mailing Address:	16894 VALLEY BLVD
Mailing Address 2:	Not Reported
Mailing City,St,Zip:	FONTANA 92335
Contact:	Not Reported
Contact Phone:	Not Reported
DUNs Number:	Not Reported
NPDES Number:	Not Reported
EPA ID:	Not Reported
Comments:	Not Reported
Status:	Active

CERS TANKS: Local Lists of Registered Storage Tanks

Name:	CIRCLE K STORES INC. SITE #2211306
Address:	16894 VALLEY BLVD
City,State,Zip:	FONTANA, CA 92335
Site ID:	19146
CERS ID:	10041142
CERS Description:	Underground Storage Tank

San Bern. Co. Permit: Other Ascertainable Records

MOBIL STATION, 16894 VALLEY BLVD, FONTANA, CA 92335 (Continued)

Name:	CIRCLE K STORES INC. SITE #2211306
Address:	16894 VALLEY BLVD
City,State,Zip:	FONTANA, CA 92335
Region:	SAN BERNARDINO
Facility ID:	FA0004258
Owner:	Young Joo Kim
Permit Number:	PT0002218
Permit Category:	HAZMAT HANDLER, UST ONLY - PER YEAR
Facility Status:	ACTIVE
Expiration Date:	10/31/2022

Name:	CIRCLE K STORES INC. SITE #2211306
Address:	16894 VALLEY BLVD
City,State,Zip:	FONTANA, CA 92335
Region:	SAN BERNARDINO
Facility ID:	FA0004258
Owner:	Young Joo Kim
Permit Number:	PT0024055
Permit Category:	WASTE INCIDENTAL UST OPERATION ONLY -PER YEAR
Facility Status:	ACTIVE
Expiration Date:	10/31/2022

Name:	CIRCLE K STORES INC. SITE #2211306
Address:	16894 VALLEY BLVD
City,State,Zip:	FONTANA, CA 92335
Region:	SAN BERNARDINO
Facility ID:	FA0004258
Owner:	Young Joo Kim
Permit Number:	PT0012128
Permit Category:	REGULAR UST ANNUAL INSPECTION (PER TANK)
Facility Status:	ACTIVE
Expiration Date:	10/31/2022

Name:	CIRCLE K STORES INC. SITE #2211306
Address:	16894 VALLEY BLVD
City,State,Zip:	FONTANA, CA 92335
Region:	SAN BERNARDINO
Facility ID:	FA0004258
Owner:	Young Joo Kim
Permit Number:	PT0012129
Permit Category:	REGULAR UST ANNUAL INSPECTION (PER TANK)
Facility Status:	ACTIVE
Expiration Date:	10/31/2022

Name:	CIRCLE K STORES INC. SITE #2211306
Address:	16894 VALLEY BLVD
City,State,Zip:	FONTANA, CA 92335
Region:	SAN BERNARDINO
Facility ID:	FA0004258
Owner:	Young Joo Kim
Permit Number:	PT0012130
Permit Category:	REGULAR UST ANNUAL INSPECTION (PER TANK)

MOBIL STATION, 16894 VALLEY BLVD, FONTANA, CA 92335 (Continued)

Facility Status:	ACTIVE
Expiration Date:	10/31/2022
Name:	CIRCLE K STORES INC. SITE #2211306
Address:	16894 VALLEY BLVD
City,State,Zip:	FONTANA, CA 92335
Region:	SAN BERNARDINO
Facility ID:	FA0004258
Owner:	Young Joo Kim
Permit Number:	PT0012131
Permit Category:	REGULAR UST ANNUAL INSPECTION (PER TANK)
Facility Status:	ACTIVE
Expiration Date:	10/31/2022

CERS: Other Ascertainable Records

Name:	CIRCLE K STORES INC. SITE #2211306
Address:	16894 VALLEY BLVD
City,State,Zip:	FONTANA, CA 92335
Site ID:	19146
CERS ID:	10041142
CERS Description:	Chemical Storage Facilities

Violations:

Site ID:	19146
Site Name:	Circle K Stores Inc. Site #2211306
Violation Date:	04-09-2014
Citation:	HSC 6.7 29291(b) - California Health and Safety Code, Chapter 6.7, Section(s) 29291(b)
Violation Description:	Failure of the UST system to be designed and constructed with a monitoring system capable of detecting the entry of the hazardous substance stored in the primary containment into the secondary containment.
Violation Notes:	Returned to compliance on 07/09/2014. FAILURES WERE DOCUMENTED DURING SECONDARY CONTAINMENT TESTS CONDUCTED ON 4/9/14 BY BELSHIRE ENVIRONMENTAL SERVICES. SECONDARY PRODUCT PIPING FAILED AND ALL THE UNDER DISPENSER CONTAINMENTS FAILED. FACILITY MUST DETERMINE THE CAUSE OF THE FAILURES AND COORDINATE WITH THIS DEPARTMENT TO DETERMINE IF A PERMIT IS REQUIRED TO MAKE REPAIRS. THIS DEPARTMENT MUST BE NOTIFIED PRIOR TO RETESTING OF THE FAILED SECONDARY CONTAINMENTS. Received SB 989 TESTS VIA EMAIL FROM VESTA SLAYMAN AND PROVIDED PASSING RESULTS. RETEST performed 6/9/14 PS
Violation Division:	San Bernardino County Fire Department
Violation Program:	UST
Violation Source:	CERS,
Site ID:	19146
Site Name:	Circle K Stores Inc. Site #2211306
Violation Date:	12-11-2014
Citation:	HSC 6.95 25508(d) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(d)
Violation Description:	Failure to complete and/or electronically submit a business plan when storing/handling a hazardous material at or above reportable quantities.
Violation Notes:	Returned to compliance on 02/01/2015. BUSINESS PLAN INVENTORY WAS NOT COMPLETED ON CERS SUBMITTAL. COMPLIANCE REQUIREMENT: SUBMIT COMPLETE INVENTORY INCLUDING HAZARDOUS WASTE AND CAR WASH HAZARDOUS MATERIALS ABOVE 55 GALLON QUANTITIES TO CERS. SUBMIT A SIGNED CERTIFICATE OF COMPLIANCE WITHIN 30 DAYS.
Violation Division:	San Bernardino County Fire Department
Violation Program:	HMRRP
Violation Source:	CERS,

MOBIL STATION, 16894 VALLEY BLVD, FONTANA, CA 92335 (Continued)

Site ID:	19146
Site Name:	Circle K Stores Inc. Site #2211306
Violation Date:	08-28-2014
Citation:	HSC 6.7 25299 - California Health and Safety Code, Chapter 6.7, Section(s) 25299
Violation Description:	Failure to comply with one or more of the operating permit conditions.
Violation Notes:	Returned to compliance on 08/28/2014. DURING SB989 TESTING WATER FLOWED FROM THE UDC TO THE 87 MAIN STP SUMP. THE LIQUID SENSOR WAS X-ED OUT BY THE UST TECHNICIAN BYPASSING THE UST MONITORING SYSTEM TO PREVENT POSITIVE SHUT DOWN. ADVISED UST TECHNICIAN NOT TO BYPASS THE SENSOR WHEN IN ALARM BUT TO REMOVE THE WATER THAT HAD GONE INTO THE SUMP INSTEAD. TO BYPASS A SENSOR IS TAMPERING WITH THE UST MONITORING SYSTEM. LIQUID WAS REMOVED AND SENSOR WAS PROGRAMMED BACK INTO THE UST MONITORING SYSTEM AND RECERTIFIED AT TIME OF INSPECTION.
Violation Division:	San Bernardino County Fire Department
Violation Program:	UST
Violation Source:	CERS,

Site ID:	19146
Site Name:	Circle K Stores Inc. Site #2211306
Violation Date:	12-11-2014
Citation:	HSC 6.75 25299.30-25299.34 - California Health and Safety Code, Chapter 6.75, Section(s) 25299.30-25299.34
Violation Description:	Failure to submit and maintain complete and current Certification of Financial Responsibility or other mechanism of financial assurance.
Violation Notes:	Returned to compliance on 02/23/2015. CFR ON CERS WAS EXPIRED ON 12/1/14. COMPIANCE REQUIREMENT: UPLOAD CURRENT CFR TO CERS. SUBMIT A SIGNED CERITIFCATE OF COMPLIANCE WITHIN 30 DAYS.
Violation Division:	San Bernardino County Fire Department
Violation Program:	UST
Violation Source:	CERS,

Site ID:	19146
Site Name:	Circle K Stores Inc. Site #2211306
Violation Date:	01-07-2014
Citation:	HSC 6.7 25299 - California Health and Safety Code, Chapter 6.7, Section(s) 25299
Violation Description:	Failure to comply with one or more of the operating permit conditions.
Violation Notes:	Returned to compliance on 01/30/2014. 87 REGULAR TANK ANNULAR SENSOR FAILED WHEN TESTED. REPLACE INOPERABLE SENSOR IMMEDIATELY AND SCHEDULE A WITNESSED RETEST WITH THIS DEPARTMANT WITHIN 7 DAYS.
Violation Division:	San Bernardino County Fire Department
Violation Program:	UST
Violation Source:	CERS,

Site ID:	19146
Site Name:	Circle K Stores Inc. Site #2211306
Violation Date:	04-09-2014
Citation:	HSC 6.7 25292.1(a) - California Health and Safety Code, Chapter 6.7, Section(s) 25292.1(a)
Violation Description:	Failure to operate the UST system to prevent spills and/or overfills.
Violation Notes:	Returned to compliance on 07/09/2014. FAILURES WERE DOCUMENTED DURING SECONDARY CONTAINMENT TESTS CONDUCTED ON 4/9/14 BY BELSHIRE ENVIRONMENTAL SERVICES. SECONDARY PRODUCT PIPING FAILED AND ALL THE UNDER DISPENSER CONTAINMENTS FAILED. FACILITY MUST DETERMINE THE CAUSE OF THE FAILURES AND COORDINATE WITH THIS DEPARTMENT TO DETERMINE IF A PERMIT IS REQUIRED TO MAKE REPAIRS. THIS DEPARTMENT MUST BE NOTIFIED PRIOR TO RETESTING OF THE FAILED SECONDARY CONTAINMENTS. Received SB 989 TESTS VIA EMAIL FROM VESTA SLAYMAN AND PROVIDED PASSING RESULTS. RETEST performed 6/9/14 PS
Violation Division:	San Bernardino County Fire Department
Violation Program:	UST
Violation Source:	CERS,

MOBIL STATION, 16894 VALLEY BLVD, FONTANA, CA 92335 (Continued)

Site ID:	19146
Site Name:	Circle K Stores Inc. Site #2211306
Violation Date:	12-06-2016
Citation:	23 CCR 16 2715(c) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2715(c)
Violation Description:	Failure to comply with one or more of the following designated operator (DO) monthly inspection requirements: Be performed by an ICC certified DO. Inspect monthly alarm history report, check that alarms are documented and responded to appropriately, and attach a copy. Inspect for the presence of liquid/debris in spill containers. Inspect for the presence of liquid/debris in under dispenser containment (UDC) and ensure that the monitoring equipment is positioned correctly. Inspect for liquid or debris in containment sumps where an alarm occurred with no service visit. Check that all testing and maintenance has been completed and documented. Verify that all facility employees have been properly trained.
Violation Notes:	Returned to compliance on 12/11/2017. OBSERVATION: PER REVIEW OF AVAILABLE ON-SITE RECORDS, THE ANNUAL DESIGNATED OPERATOR SAFETY TRAINING WAS LAST PERFORMED AND DOCUMENTED ON 1/14/15. SHOULD THIS BE THE MOST RECENT TRAINING DATE, THE FACILITY IS IN VIOLATION FOR SAFETY TRAINING FOR ALMOST 2 YEARS. REQUIREMENT: IMMEDIATELY PROVIDE THE ANNUAL TRAINING FOR ALL APPLICABLE EMPLOYEES OR PROVIDE EVIDENCE TO THIS DEPARTMENT THAT SAFETY TRAINING IS CURRENT. UPON COMPLETION, SUBMIT A COPY OF THE TRAINING ROSTER (WITH SIGNATURES) AND SIGN/RETURN THE CERTIFICATE OF COMPLIANCE TO JKOOYMAN@SBCFIRE.ORG TO CLEAR THE VIOLATION.
Violation Division:	San Bernardino County Fire Department
Violation Program:	UST
Violation Source:	CERS,

Site ID:	19146
Site Name:	Circle K Stores Inc. Site #2211306
Violation Date:	12-11-2017
Citation:	HSC 6.7 25284, 25286 - California Health and Safety Code, Chapter 6.7, Section(s) 25284, 25286
Violation Description:	Failure to submit a complete and accurate application for a permit to operate a UST, or for renewal of the permit.
Violation Notes:	Returned to compliance on 02/27/2018. OBSERVATION: SUBMITTED UNDERGROUND STORAGE TANK (UST) INFORMATION IN CALIFORNIA ENVIRONMENTAL REPORTING SYSTEM (CERS) WAS NOT ACCURATE, COMPLETE, OR CURRENT. UPDATE THE FOLLOWING: 1) UPDATE TANK INSTALLED DATES TO 1/1/1998 COMPLIANCE REQUIREMENT: RESUBMIT UPDATED UST INFORMATION IN CERS.
Violation Division:	San Bernardino County Fire Department
Violation Program:	UST
Violation Source:	CERS,

Site ID:	19146
Site Name:	Circle K Stores Inc. Site #2211306
Violation Date:	12-09-2015
Citation:	HSC 6.7 25286(a) - California Health and Safety Code, Chapter 6.7, Section(s) 25286(a)
Violation Description:	Failure to submit an complete and accurate application for a permit to operate an underground storage tank, or for renewal of the permit.
Violation Notes:	Returned to compliance on 01/19/2016. OBSERVATION:1) The documentation in CERS(California Environmental Reporting System) noted that the UST system has VR 407 annular sensors. As per inspection, all four USTs were observed with VR 409. Compliance Requirement-Updated the CERS with the correct annular sensor model.
Violation Division:	San Bernardino County Fire Department
Violation Program:	UST
Violation Source:	CERS,

Site ID:	19146
Site Name:	Circle K Stores Inc. Site #2211306
Violation Date:	12-18-2018
Citation:	HSC 6.7 25284.2 - California Health and Safety Code, Chapter 6.7, Section(s) 25284.2

MOBIL STATION, 16894 VALLEY BLVD, FONTANA, CA 92335 (Continued)

Violation Description:	"Failure to meet one or more of the following requirements: Install or maintain a liquid-tight spill container. Have a minimum capacity of five gallons. Have a functional drain valve or other method for the removal of liquid from the spill container. Be resistant to galvanic corrosion. Perform a tightness test at installation, every 12 months thereafter, or within 30 days after a repair to the spill container. Tested using applicable manufacturer guidelines, industry codes, engineering standards, or a method approved by a professional engineer. Tested by a certified UST service technician. Maintain records of spill containment testing for 36 months. "
Violation Notes:	Returned to compliance on 08/22/2019.
Violation Division:	San Bernardino County Fire Department
Violation Program:	UST
Violation Source:	CERS,
Site ID:	19146
Site Name:	Circle K Stores Inc. Site #2211306
Violation Date:	12-06-2016
Citation:	HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description:	Failure to annually review and electronically certify that the business plan is complete and accurate on or before the annual due date.
Violation Notes:	Returned to compliance on 03/17/2017. OBSERVATION: THE EMERGENCY CONTACT INFORMATION FOR THE SAN BERNARDINO COUNTY FIRE DEPARTMENT (CUPA) IS INCORRECT. REQUIREMENT: WITHIN 30 DAYS, UPDATE THE EMERGENCY RESPONSE/CONTINGENCY PLAN TO REFLECT THE EMERGENCY CONTACT NUMBER AS (909) 386-8425 (NOT 386-8401) AND RE-SUBMIT TO CERS. SIGN AND RETURN THE CERTIFICATE OF COMPLIANCE TO JKOOYMAN@SBCFIRE.ORG UPON COMPLETION. CERS SUBMITTAL ON 3/14/207 ADDRESSES THIS VIOLATION. 9/17/2017 ASAGUAN
Violation Division:	San Bernardino County Fire Department
Violation Program:	HMRRP
Violation Source:	CERS,
Site ID:	19146
Site Name:	Circle K Stores Inc. Site #2211306
Violation Date:	12-18-2018
Citation:	23 CCR 16 2712(b)(1)(G) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2712(b)(1)(G)
Violation Description:	Failure to comply with one or more of the following overfill prevention equipment requirements: Alert the transfer operator when the tank is 90 percent full by restricting the flow into the tank or triggering an audible and visual alarm; or Restrict delivery of flow to the tank at least 30 minutes before the tank overfills, provided the restriction occurs when the tank is filled to no more than 95 percent of capacity; and activate an audible alarm at least five minutes before the tank overfills; or Provide positive shut-off of flow to the tank when the tank is filled to no more than 95 percent of capacity; or Provide positive shut-off of flow to the tank so that none of the fittings located on the top of the tank are exposed to product due to overfilling. Install/retrofit overfill prevention equipment that does not use flow restrictors on vent piping to meet overfill prevention equipment requirements when the overfill prevention equipment is installed, repaired, or replaced on and after October 1, 2018. For USTs installed before October 1, 2018, perform an inspection by October 13, 2018 and every 36 months thereafter. For USTs installed on and after October 1, 2018, perform an inspection at installation and every 36 months thereafter. Inspected within 30 days after a repair to the overfill prevention equipment. Inspected using an applicable manufacturer guidelines, industry codes, engineering standards, or a method approved by a professional engineer. Inspected by a certified UST service technician. Maintain records of overfill prevention equipment inspection for 36 months.
Violation Notes:	Returned to compliance on 08/22/2019.
Violation Division:	San Bernardino County Fire Department
Violation Program:	UST
Violation Source:	CERS,
Site ID:	19146
Site Name:	Circle K Stores Inc. Site #2211306
Violation Date:	03-30-2020
Citation:	HSC 6.7 25291(a)(2) - California Health and Safety Code, Chapter 6.7, Section(s) 25291(a)(2)
Violation Description:	Failure to maintain secondary containment (e.g., failure of secondary containment testing).

MOBIL STATION, 16894 VALLEY BLVD, FONTANA, CA 92335 (Continued)

Violation Notes:	Returned to compliance on 07/16/2020. OBSERVATION: The 87 S and the 91 UST Product Piping failed SB 989 Secondary Containment Testing. CORRECTIVE ACTION: Submit plans to obtain a permit for the repairs of the failures within sixty (60) days.
Violation Division:	San Bernardino County Fire Department
Violation Program:	UST
Violation Source:	CERS,

Evaluation:

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	01-07-2014
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	UST ANNUAL INSPECTION WITH MONITORING SYSTEM CERTIFICATION.
Eval Division:	San Bernardino County Fire Department
Eval Program:	UST
Eval Source:	CERS,

Eval General Type:	Other/Unknown
Eval Date:	02-23-2015
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	FOLLOW UP UST INSPECTION
Eval Division:	San Bernardino County Fire Department
Eval Program:	UST
Eval Source:	CERS,

Eval General Type:	Other/Unknown
Eval Date:	04-09-2014
Violations Found:	Yes
Eval Type:	Other, not routine, done by local agency
Eval Notes:	SB989 NOTIFICATION.
Eval Division:	San Bernardino County Fire Department
Eval Program:	UST
Eval Source:	CERS,

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	12-01-2020
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	ANNUAL UST, HM HW INSPECTIONS
Eval Division:	San Bernardino County Fire Department
Eval Program:	HMRRP
Eval Source:	CERS,

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	12-09-2021
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	ANNUAL UST INSPECTION WITH MONITORING SYSTEM CERTIFICATION.
Eval Division:	San Bernardino County Fire Department
Eval Program:	UST
Eval Source:	CERS,

MOBIL STATION, 16894 VALLEY BLVD, FONTANA, CA 92335 (Continued)

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	12-09-2021
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	HAZARDOUS MATERIALS INSPECTION
Eval Division:	San Bernardino County Fire Department
Eval Program:	HMRRP
Eval Source:	CERS,

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	12-11-2014
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	WASTE INCIDENTAL TO UST INSPECTION
Eval Division:	San Bernardino County Fire Department
Eval Program:	HW
Eval Source:	CERS,

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	12-11-2014
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	HAZARDOUS MATERIALS HANDLER INSPECTION UST ONLY
Eval Division:	San Bernardino County Fire Department
Eval Program:	HMRRP
Eval Source:	CERS,

Eval General Type:	Other/Unknown
Eval Date:	09-16-2014
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	circle k - fontana Reinspection for non-permit required SB989 retest
Eval Division:	San Bernardino County Fire Department
Eval Program:	UST
Eval Source:	CERS,

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	12-01-2020
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	ANNUAL UST, HM HW INSPECTIONS
Eval Division:	San Bernardino County Fire Department
Eval Program:	HW
Eval Source:	CERS,

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	12-01-2020
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	ANNUAL UST, HM HW INSPECTIONS
Eval Division:	San Bernardino County Fire Department
Eval Program:	UST

MOBIL STATION, 16894 VALLEY BLVD, FONTANA, CA 92335 (Continued)

Eval Source:	CERS,
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	12-11-2017
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Not Reported
Eval Division:	San Bernardino County Fire Department
Eval Program:	HMRRP
Eval Source:	CERS,
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	12-11-2017
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	ANNUAL UST INSPECTION WITH MONITORING CERTIFICATION
Eval Division:	San Bernardino County Fire Department
Eval Program:	UST
Eval Source:	CERS,
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	01-07-2014
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	HAZ MAT INSPECTION IN CONJUNCTION WITH UST ANNUAL INSPECTION.
Eval Division:	San Bernardino County Fire Department
Eval Program:	HMRRP
Eval Source:	CERS,
Eval General Type:	Other/Unknown
Eval Date:	01-30-2014
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	re- inspection to clear violation
Eval Division:	San Bernardino County Fire Department
Eval Program:	UST
Eval Source:	CERS,
Eval General Type:	Other/Unknown
Eval Date:	08-28-2014
Violations Found:	Yes
Eval Type:	Other, not routine, done by local agency
Eval Notes:	SB989 RETEST
Eval Division:	San Bernardino County Fire Department
Eval Program:	UST
Eval Source:	CERS,
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	12-03-2019
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Not Reported
Eval Division:	San Bernardino County Fire Department

MOBIL STATION, 16894 VALLEY BLVD, FONTANA, CA 92335 (Continued)

Eval Program:	UST
Eval Source:	CERS,
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	12-09-2015
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	CIRCLE K(MOBIL) FONTANA- UST WASTE INSPECTION
Eval Division:	San Bernardino County Fire Department
Eval Program:	HW
Eval Source:	CERS,
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	12-09-2015
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	MOBIL(CIRCLE K) FONTANA-UST INSPECTION
Eval Division:	San Bernardino County Fire Department
Eval Program:	HMRRP
Eval Source:	CERS,
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	12-11-2014
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	ANNUAL MONITORING CERTIFICATION WITH RIDE ALONG CYNTHIA OTTER
Eval Division:	San Bernardino County Fire Department
Eval Program:	UST
Eval Source:	CERS,
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	12-11-2017
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Not Reported
Eval Division:	San Bernardino County Fire Department
Eval Program:	HW
Eval Source:	CERS,
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	12-18-2018
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Haz mat handler inspection
Eval Division:	San Bernardino County Fire Department
Eval Program:	HMRRP
Eval Source:	CERS,
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	12-18-2018
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	UST Annual inspection, Overfill Prevention Iinspection and Monitoring Cert

MOBIL STATION, 16894 VALLEY BLVD, FONTANA, CA 92335 (Continued)

Eval Division:	San Bernardino County Fire Department
Eval Program:	UST
Eval Source:	CERS,
Eval General Type:	Other/Unknown
Eval Date:	03-30-2020
Violations Found:	Yes
Eval Type:	Other, not routine, done by local agency
Eval Notes:	SB 989 TEST RESULTS FROM BELSHIRE. FAILURE NOTED. VIOLATION ISSUED. - Refer to Narrative.
Eval Division:	San Bernardino County Fire Department
Eval Program:	UST
Eval Source:	CERS,
Eval General Type:	Other/Unknown
Eval Date:	08-22-2019
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	On-site to conduct a final plan check inspection for installation of four Franklin Fueling drop tubes, removal of all ball floats and installation of four (4) 5-gallon Phil-Tite spill buckets for all UST tanks.
Eval Division:	San Bernardino County Fire Department
Eval Program:	UST
Eval Source:	CERS,
Eval General Type:	Other/Unknown
Eval Date:	08-22-2019
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	Witnessed the OPE inspection. Results pending.
Eval Division:	San Bernardino County Fire Department
Eval Program:	UST
Eval Source:	CERS,
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	12-06-2016
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	UST FIELD INSPECTION-ANNUAL MONITORING SYSTEM CERTIFICATION (4 TANKS) W/AL QUIROS
Eval Division:	San Bernardino County Fire Department
Eval Program:	UST
Eval Source:	CERS,
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	12-06-2016
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	UST HANDLER INSPECTION AND CERS REVIEW
Eval Division:	San Bernardino County Fire Department
Eval Program:	HMRRP
Eval Source:	CERS,
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	12-09-2015

MOBIL STATION, 16894 VALLEY BLVD, FONTANA, CA 92335 (Continued)

Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	MOBIL(CIRCLE K) FONTANA- UST MONITORING CERTIFICATION
Eval Division:	San Bernardino County Fire Department
Eval Program:	UST
Eval Source:	CERS,
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	12-09-2021
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	HAZARDOUS WASTE INSPECTION.
Eval Division:	San Bernardino County Fire Department
Eval Program:	HW
Eval Source:	CERS,
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	12-18-2018
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Haz Waste generator inspection
Eval Division:	San Bernardino County Fire Department
Eval Program:	HW
Eval Source:	CERS,

Enforcement Action:

Site ID:	19146
Site Name:	Circle K Stores Inc. Site #2211306
Site Address:	16894 VALLEY BLVD
Site City:	FONTANA
Site Zip:	92335
Enf Action Date:	01-07-2014
Enf Action Type:	Notice of Violation (Unified Program)
Enf Action Description:	Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes:	Not Reported
Enf Action Division:	San Bernardino County Fire Department
Enf Action Program:	UST
Enf Action Source:	CERS,
Site ID:	19146
Site Name:	Circle K Stores Inc. Site #2211306
Site Address:	16894 VALLEY BLVD
Site City:	FONTANA
Site Zip:	92335
Enf Action Date:	04-09-2014
Enf Action Type:	Notice of Violation (Unified Program)
Enf Action Description:	Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes:	Not Reported
Enf Action Division:	San Bernardino County Fire Department
Enf Action Program:	UST
Enf Action Source:	CERS,

MOBIL STATION, 16894 VALLEY BLVD, FONTANA, CA 92335 (Continued)

Site ID:	19146
Site Name:	Circle K Stores Inc. Site #2211306
Site Address:	16894 VALLEY BLVD
Site City:	FONTANA
Site Zip:	92335
Enf Action Date:	08-28-2014
Enf Action Type:	Notice of Violation (Unified Program)
Enf Action Description:	Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes:	Not Reported
Enf Action Division:	San Bernardino County Fire Department
Enf Action Program:	UST
Enf Action Source:	CERS,

Site ID:	19146
Site Name:	Circle K Stores Inc. Site #2211306
Site Address:	16894 VALLEY BLVD
Site City:	FONTANA
Site Zip:	92335
Enf Action Date:	12-06-2016
Enf Action Type:	Notice of Violation (Unified Program)
Enf Action Description:	Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes:	Not Reported
Enf Action Division:	San Bernardino County Fire Department
Enf Action Program:	HMRRP
Enf Action Source:	CERS,

Site ID:	19146
Site Name:	Circle K Stores Inc. Site #2211306
Site Address:	16894 VALLEY BLVD
Site City:	FONTANA
Site Zip:	92335
Enf Action Date:	12-06-2016
Enf Action Type:	Notice of Violation (Unified Program)
Enf Action Description:	Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes:	Not Reported
Enf Action Division:	San Bernardino County Fire Department
Enf Action Program:	UST
Enf Action Source:	CERS,

Site ID:	19146
Site Name:	Circle K Stores Inc. Site #2211306
Site Address:	16894 VALLEY BLVD
Site City:	FONTANA
Site Zip:	92335
Enf Action Date:	12-09-2015
Enf Action Type:	Notice of Violation (Unified Program)
Enf Action Description:	Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes:	Not Reported
Enf Action Division:	San Bernardino County Fire Department
Enf Action Program:	UST
Enf Action Source:	CERS,

MOBIL STATION, 16894 VALLEY BLVD, FONTANA, CA 92335 (Continued)

Site ID:	19146
Site Name:	Circle K Stores Inc. Site #2211306
Site Address:	16894 VALLEY BLVD
Site City:	FONTANA
Site Zip:	92335
Enf Action Date:	12-11-2014
Enf Action Type:	Notice of Violation (Unified Program)
Enf Action Description:	Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes:	Not Reported
Enf Action Division:	San Bernardino County Fire Department
Enf Action Program:	HMRRP
Enf Action Source:	CERS,

Site ID:	19146
Site Name:	Circle K Stores Inc. Site #2211306
Site Address:	16894 VALLEY BLVD
Site City:	FONTANA
Site Zip:	92335
Enf Action Date:	12-11-2014
Enf Action Type:	Notice of Violation (Unified Program)
Enf Action Description:	Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes:	Not Reported
Enf Action Division:	San Bernardino County Fire Department
Enf Action Program:	UST
Enf Action Source:	CERS,

Coordinates:

Site ID:	19146
Facility Name:	Circle K Stores Inc. Site #2211306
Env Int Type Code:	HWG
Program ID:	10041142
Coord Name:	Not Reported
Ref Point Type Desc:	Unknown,
Latitude:	34.070758
Longitude:	-117.436111

Affiliation:

Affiliation Type Desc:	Identification Signer
Entity Name:	Robert Velasco
Entity Title:	Agent For Circle K
Affiliation Address:	Not Reported
Affiliation City:	Not Reported
Affiliation State:	Not Reported
Affiliation Country:	Not Reported
Affiliation Zip:	Not Reported
Affiliation Phone:	,

Affiliation Type Desc:	CUPA District
Entity Name:	San Bernardino County Fire

MOBIL STATION, 16894 VALLEY BLVD, FONTANA, CA 92335 (Continued)

Entity Title:	Not Reported
Affiliation Address:	620 South E Street
Affiliation City:	San Bernardino
Affiliation State:	CA
Affiliation Country:	Not Reported
Affiliation Zip:	92415-0153
Affiliation Phone:	(909) 386-8401,
Affiliation Type Desc:	Environmental Contact
Entity Name:	Yolanda Jones
Entity Title:	Not Reported
Affiliation Address:	P.O. Box 52085, Attn: Environmental
Affiliation City:	Phoenix
Affiliation State:	AZ
Affiliation Country:	Not Reported
Affiliation Zip:	85072
Affiliation Phone:	,
Affiliation Type Desc:	Facility Mailing Address
Entity Name:	Mailing Address
Entity Title:	Not Reported
Affiliation Address:	P.O. Box 52085, Attn: Environmental
Affiliation City:	Phoenix
Affiliation State:	AZ
Affiliation Country:	Not Reported
Affiliation Zip:	85072
Affiliation Phone:	,
Affiliation Type Desc:	Parent Corporation
Entity Name:	Circle K Stores Inc.
Entity Title:	Not Reported
Affiliation Address:	Not Reported
Affiliation City:	Not Reported
Affiliation State:	Not Reported
Affiliation Country:	Not Reported
Affiliation Zip:	Not Reported
Affiliation Phone:	,
Affiliation Type Desc:	UST Property Owner Name
Entity Name:	Joseph G. & Mary R. Garcel
Entity Title:	Not Reported
Affiliation Address:	17242 Upland Ave
Affiliation City:	Fontana
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	92335
Affiliation Phone:	(909) 822-4087,
Affiliation Type Desc:	UST Tank Operator
Entity Name:	Young Joo Kim
Entity Title:	Not Reported
Affiliation Address:	16894 Valley Blvd.

MOBIL STATION, 16894 VALLEY BLVD, FONTANA, CA 92335 (Continued)

Affiliation City:	Fontana
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	92335
Affiliation Phone:	(909) 822-4087,
Affiliation Type Desc:	Document Preparer
Entity Name:	Robert Velasco
Entity Title:	Not Reported
Affiliation Address:	Not Reported
Affiliation City:	Not Reported
Affiliation State:	Not Reported
Affiliation Country:	Not Reported
Affiliation Zip:	Not Reported
Affiliation Phone:	,
Affiliation Type Desc:	Legal Owner
Entity Name:	Young Joo Kim
Entity Title:	Not Reported
Affiliation Address:	16894 Valley Blvd
Affiliation City:	Fontana
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	92335
Affiliation Phone:	(909) 822-4087,
Affiliation Type Desc:	Operator
Entity Name:	Young Joo Kim
Entity Title:	Not Reported
Affiliation Address:	Not Reported
Affiliation City:	Not Reported
Affiliation State:	Not Reported
Affiliation Country:	Not Reported
Affiliation Zip:	Not Reported
Affiliation Phone:	(980) 875-1745,
Affiliation Type Desc:	Property Owner
Entity Name:	Joseph G. & Mary R. Garcel
Entity Title:	Not Reported
Affiliation Address:	17242 Upland Ave.
Affiliation City:	Fontana
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	92335
Affiliation Phone:	(909) 822-4087,
Affiliation Type Desc:	UST Permit Applicant
Entity Name:	Robert Velasco
Entity Title:	Agent For Circle K
Affiliation Address:	Not Reported
Affiliation City:	Not Reported
Affiliation State:	Not Reported

MOBIL STATION, 16894 VALLEY BLVD, FONTANA, CA 92335 (Continued)

Affiliation Country:	Not Reported
Affiliation Zip:	Not Reported
Affiliation Phone:	(661) 250-9300,
Affiliation Type Desc:	UST Tank Owner
Entity Name:	Circle K Stores Inc.
Entity Title:	Not Reported
Affiliation Address:	P.O. Box 52085, Attn: Environmental
Affiliation City:	Phoenix
Affiliation State:	AZ
Affiliation Country:	United States
Affiliation Zip:	85072
Affiliation Phone:	(980) 875-1745,

PONCE RECYCLING 9954 SIERRA AVE, FONTANA, CA, 92335		S120834977	
▲ 8	NE 1/10 - 1/3	(1621 ft. / 0.307 mi.)	Local Lists of Landfill / Solid Waste Disposal Sites
	21 ft. Higher Elevation	1136 ft. Above Sea Level	

Worksheet:

Impact on Target Property: Undetermined

SWRCY: Local Lists of Landfill / Solid Waste Disposal Sites

Name:	PONCE RECYCLING
Address:	9954 SIERRA AVE
City,State,Zip:	FONTANA, CA 92335
Reg Id:	260783
Cert Id:	RC260783.001
Mailing Address:	5425 W 64th St
Mailing City:	Los Angeles
Mailing State:	CA
Mailing Zip Code:	90056
Website:	Not Reported
Email:	poncerecycling@aol.com
Phone Number:	(323) 533-4862
Rural:	N
Operation Begin Date:	07/24/2017
Aluminium:	Y
Glass:	Y
Plastic:	Y
Bimetal:	Y
Hours of Operation:	Mon - Sun 8:30 am - 4:30 pm
Organization ID:	39719
Organization Name:	Ponce Recycling Inc

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

St	Acronym	Full Name	Government Agency	Gov Date	Arvl. Date	Active Date
ENVIRONMENTAL RECORDS						
Federal NPL site list						
US	NPL	National Priority List	EPA	04/27/2022	05/05/2022	05/31/2022
US	Proposed NPL	Proposed National Priority List Sites	EPA	04/27/2022	05/05/2022	05/31/2022
US	NPL LIENS	Federal Superfund Liens	EPA	10/15/1991	02/02/1994	03/30/1994
Federal CERCLIS list						
US	SEMS	Superfund Enterprise Management System	EPA	04/27/2022	05/05/2022	05/31/2022
Federal RCRA CORRACTS facilities list						
US	CORRACTS	Corrective Action Report	EPA	02/28/2022	03/02/2022	03/17/2022
Federal RCRA TSD facilities list						
US	RCRA-TSDF	RCRA - Treatment, Storage and Disposal	Environmental Protection Agency	02/28/2022	03/02/2022	03/17/2022
Federal RCRA generators list						
US	RCRA-LQG	RCRA - Large Quantity Generators	Environmental Protection Agency	02/28/2022	03/02/2022	03/17/2022
US	RCRA-SQG	RCRA - Small Quantity Generators	Environmental Protection Agency	02/28/2022	03/02/2022	03/17/2022
US	RCRA-VSQG	RCRA - Very Small Quantity Generators (Formerly Conditionall	Environmental Protection Agency	02/28/2022	03/02/2022	03/17/2022
Federal institutional controls / engineering controls registries						
US	LUCIS	Land Use Control Information System	Department of the Navy	02/08/2022	02/11/2022	05/10/2022
US	US ENG CONTROLS	Engineering Controls Sites List	Environmental Protection Agency	02/21/2022	02/23/2022	05/24/2022
US	US INST CONTROLS	Institutional Controls Sites List	Environmental Protection Agency	02/21/2022	02/23/2022	05/24/2022
Federal ERNS list						
US	ERNS	Emergency Response Notification System	National Response Center, United States Coast	12/31/2021	03/01/2022	03/10/2022
State and tribal - equivalent NPL						
CA	RESPONSE	State Response Sites	Department of Toxic Substances Control	01/24/2022	01/25/2022	04/13/2022
State and tribal - equivalent CERCLIS						
CA	ENVIROSTOR	EnviroStor Database	Department of Toxic Substances Control	01/24/2022	01/25/2022	04/13/2022
State and tribal landfill / solid waste disposal						
CA	SWF/LF (SWIS)	Solid Waste Information System	Department of Resources Recycling and Recover	02/07/2022	02/08/2022	05/05/2022
State and tribal leaking storage tank lists						
CA	LUST REG 3	Leaking Underground Storage Tank Database	California Regional Water Quality Control Boa	05/19/2003	05/19/2003	06/02/2003
CA	LUST REG 4	Underground Storage Tank Leak List	California Regional Water Quality Control Boa	09/07/2004	09/07/2004	10/12/2004
CA	LUST REG 6L	Leaking Underground Storage Tank Case Listing	California Regional Water Quality Control Boa	09/09/2003	09/10/2003	10/07/2003
CA	LUST REG 7	Leaking Underground Storage Tank Case Listing	California Regional Water Quality Control Boa	02/26/2004	02/26/2004	03/24/2004
CA	LUST REG 8	Leaking Underground Storage Tanks	California Regional Water Quality Control Boa	02/14/2005	02/15/2005	03/28/2005
CA	LUST REG 9	Leaking Underground Storage Tank Report	California Regional Water Quality Control Boa	03/01/2001	04/23/2001	05/21/2001
CA	LUST	Leaking Underground Fuel Tank Report (GEOTRACKER)	State Water Resources Control Board	05/23/2022	05/23/2022	05/24/2022

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

St	Acronym	Full Name	Government Agency	Gov Date	Arvl. Date	Active Date
CA	LUST REG 2	Fuel Leak List	California Regional Water Quality Control Boa	09/30/2004	10/20/2004	11/19/2004
CA	LUST REG 1	Active Toxic Site Investigation	California Regional Water Quality Control Boa	02/01/2001	02/28/2001	03/29/2001
CA	LUST REG 6V	Leaking Underground Storage Tank Case Listing	California Regional Water Quality Control Boa	06/07/2005	06/07/2005	06/29/2005
CA	LUST REG 5	Leaking Underground Storage Tank Database	California Regional Water Quality Control Boa	07/01/2008	07/22/2008	07/31/2008
US	INDIAN LUST R7	Leaking Underground Storage Tanks on Indian Land	EPA Region 7	10/12/2021	11/15/2021	02/08/2022
US	INDIAN LUST R4	Leaking Underground Storage Tanks on Indian Land	EPA Region 4	05/28/2021	06/22/2021	09/20/2021
US	INDIAN LUST R1	Leaking Underground Storage Tanks on Indian Land	EPA Region 1	04/28/2021	06/11/2021	09/07/2021
US	INDIAN LUST R6	Leaking Underground Storage Tanks on Indian Land	EPA Region 6	10/12/2021	11/15/2021	02/08/2022
US	INDIAN LUST R5	Leaking Underground Storage Tanks on Indian Land	EPA, Region 5	10/12/2021	11/15/2021	02/08/2022
US	INDIAN LUST R10	Leaking Underground Storage Tanks on Indian Land	EPA Region 10	10/12/2021	11/15/2021	02/08/2022
US	INDIAN LUST R9	Leaking Underground Storage Tanks on Indian Land	Environmental Protection Agency	10/12/2021	11/15/2021	02/08/2022
US	INDIAN LUST R8	Leaking Underground Storage Tanks on Indian Land	EPA Region 8	10/12/2021	11/15/2021	02/08/2022
CA	CPS-SLIC	Statewide SLIC Cases (GEOTRACKER)	State Water Resources Control Board	05/23/2022	05/23/2022	05/24/2022
CA	SLIC REG 1	Active Toxic Site Investigations	California Regional Water Quality Control Boa	04/03/2003	04/07/2003	04/25/2003
CA	SLIC REG 2	Spills, Leaks, Investigation & Cleanup Cost Recovery Listing	Regional Water Quality Control Board San Fran	09/30/2004	10/20/2004	11/19/2004
CA	SLIC REG 3	Spills, Leaks, Investigation & Cleanup Cost Recovery Listing	California Regional Water Quality Control Boa	05/18/2006	05/18/2006	06/15/2006
CA	SLIC REG 4	Spills, Leaks, Investigation & Cleanup Cost Recovery Listing	Region Water Quality Control Board Los Angele	11/17/2004	11/18/2004	01/04/2005
CA	SLIC REG 5	Spills, Leaks, Investigation & Cleanup Cost Recovery Listing	Regional Water Quality Control Board Central	04/01/2005	04/05/2005	04/21/2005
CA	SLIC REG 6V	Spills, Leaks, Investigation & Cleanup Cost Recovery Listing	Regional Water Quality Control Board, Victorv	05/24/2005	05/25/2005	06/16/2005
CA	SLIC REG 6L	SLIC Sites	California Regional Water Quality Control Boa	09/07/2004	09/07/2004	10/12/2004
CA	SLIC REG 7	SLIC List	California Regional Quality Control Board, Co	11/24/2004	11/29/2004	01/04/2005
CA	SLIC REG 8	Spills, Leaks, Investigation & Cleanup Cost Recovery Listing	California Region Water Quality Control Board	04/03/2008	04/03/2008	04/14/2008
CA	SLIC REG 9	Spills, Leaks, Investigation & Cleanup Cost Recovery Listing	California Regional Water Quality Control Boa	09/10/2007	09/11/2007	09/28/2007
State and tribal registered storage tank lists						
CA	UST	Active UST Facilities	SWRCB	03/07/2022	03/08/2022	06/02/2022
CA	MILITARY UST SITES	Military UST Sites (GEOTRACKER)	State Water Resources Control Board	05/23/2022	05/23/2022	06/02/2022
CA	UST CLOSURE	Proposed Closure of Underground Storage Tank (UST) Cases	State Water Resources Control Board	03/07/2022	03/08/2022	06/03/2022
CA	AST	Aboveground Petroleum Storage Tank Facilities	California Environmental Protection Agency	07/06/2016	07/12/2016	09/19/2016
US	INDIAN UST R4	Underground Storage Tanks on Indian Land	EPA Region 4	05/28/2021	06/22/2021	09/20/2021
US	INDIAN UST R6	Underground Storage Tanks on Indian Land	EPA Region 6	10/12/2021	11/15/2021	02/08/2022
US	INDIAN UST R5	Underground Storage Tanks on Indian Land	EPA Region 5	04/06/2021	06/11/2021	09/07/2021
US	INDIAN UST R10	Underground Storage Tanks on Indian Land	EPA Region 10	10/12/2021	11/15/2021	02/08/2022
US	INDIAN UST R1	Underground Storage Tanks on Indian Land	EPA, Region 1	10/14/2021	11/15/2021	02/08/2022
US	INDIAN UST R9	Underground Storage Tanks on Indian Land	EPA Region 9	10/12/2021	11/15/2021	02/08/2022
US	INDIAN UST R8	Underground Storage Tanks on Indian Land	EPA Region 8	10/12/2021	11/15/2021	02/08/2022
US	INDIAN UST R7	Underground Storage Tanks on Indian Land	EPA Region 7	10/12/2021	11/15/2021	02/08/2022
US	FEMA UST	Underground Storage Tank Listing	FEMA	10/14/2021	11/05/2021	02/01/2022
State and tribal voluntary cleanup sites						
US	INDIAN VCP R7	Voluntary Cleanup Priority Lisitng	EPA, Region 7	03/20/2008	04/22/2008	05/19/2008
US	INDIAN VCP R1	Voluntary Cleanup Priority Listing	EPA, Region 1	07/27/2015	09/29/2015	02/18/2016
CA	VCP	Voluntary Cleanup Program Properties	Department of Toxic Substances Control	01/24/2022	01/25/2022	04/13/2022

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

St	Acronym	Full Name	Government Agency	Gov Date	Arvl. Date	Active Date
State and tribal Brownfields sites						
CA	BROWNFIELDS	Considered Brownfieds Sites Listing	State Water Resources Control Board	12/15/2021	12/16/2021	03/03/2022
Other Records						
US	CONSENT	Superfund (CERCLA) Consent Decrees	Department of Justice, Consent Decree Library	12/31/2021	01/14/2022	03/25/2022
US	ROD	Records Of Decision	EPA	04/27/2022	05/05/2022	05/31/2022
US	LIENS 2	CERCLA Lien Information	Environmental Protection Agency	04/27/2022	05/05/2022	05/31/2022
CA	HIST CAL-SITES	Calsites Database	Department of Toxic Substance Control	08/08/2005	08/03/2006	08/24/2006
US	DEBRIS REGION 9	Torres Martinez Reservation Illegal Dump Site Locations	EPA, Region 9	01/12/2009	05/07/2009	09/21/2009
CA	SWRCY	Recycler Database	Department of Conservation	03/07/2022	03/08/2022	06/02/2022
CA	CA FID UST	Facility Inventory Database	California Environmental Protection Agency	10/31/1994	09/05/1995	09/29/1995
CA	HIST UST	Hazardous Substance Storage Container Database	State Water Resources Control Board	10/15/1990	01/25/1991	02/12/1991
CA	SAN FRANCISCO AST	Aboveground Storage Tank Site Listing	San Francisco County Department of Public Hea	02/03/2022	02/04/2022	05/02/2022
CA	SWEEPS UST	SWEEPS UST Listing	State Water Resources Control Board	06/01/1994	07/07/2005	08/11/2005
US	US AIRS MINOR	Air Facility System Data	EPA	10/12/2016	10/26/2016	02/03/2017
US	PCB TRANSFORMER	PCB Transformer Registration Database	Environmental Protection Agency	09/13/2019	11/06/2019	02/10/2020
US	SCRD DRYCLEANERS	State Coalition for Remediation of Drycleaners Listing	Environmental Protection Agency	01/01/2017	02/03/2017	04/07/2017
US	LEAD SMELTER 1	Lead Smelter Sites	Environmental Protection Agency	04/27/2022	05/05/2022	05/31/2022
US	US HIST CDL	National Clandestine Laboratory Register	Drug Enforcement Administration	02/22/2022	02/23/2022	05/10/2022
US	US FIN ASSUR	Financial Assurance Information	Environmental Protection Agency	12/13/2021	12/17/2021	03/17/2022
US	COAL ASH DOE	Steam-Electric Plant Operation Data	Department of Energy	12/31/2020	11/30/2021	02/22/2022
US	FUSRAP	Formerly Utilized Sites Remedial Action Program	Department of Energy	07/26/2021	07/27/2021	10/22/2021
US	2020 COR ACTION	2020 Corrective Action Program List	Environmental Protection Agency	09/30/2017	05/08/2018	07/20/2018
US	COAL ASH EPA	Coal Combustion Residues Surface Impoundments List	Environmental Protection Agency	01/12/2017	03/05/2019	11/11/2019
US	LEAD SMELTER 2	Lead Smelter Sites	American Journal of Public Health	04/05/2001	10/27/2010	12/02/2010
US	EPA WATCH LIST	EPA WATCH LIST	Environmental Protection Agency	08/30/2013	03/21/2014	06/17/2014
US	US AIRS (AFS)	Aerometric Information Retrieval System Facility Subsystem (	EPA	10/12/2016	10/26/2016	02/03/2017
US	Delisted NPL	National Priority List Deletions	EPA	04/27/2022	05/05/2022	05/31/2022
US	SEMS-ARCHIVE	Superfund Enterprise Management System Archive	EPA	04/27/2022	05/05/2022	05/31/2022
US	RCRA NonGen / NLR	RCRA - Non Generators / No Longer Regulated	Environmental Protection Agency	02/28/2022	03/02/2022	03/17/2022
US	HMIRS	Hazardous Materials Information Reporting System	U.S. Department of Transportation	12/15/2021	12/16/2021	03/10/2022
US	DOT OPS	Incident and Accident Data	Department of Transporation, Office of Pipeli	01/02/2020	01/28/2020	04/17/2020
US	US CDL	Clandestine Drug Labs	Drug Enforcement Administration	02/22/2022	02/23/2022	05/10/2022
US	US BROWNFIELDS	A Listing of Brownfields Sites	Environmental Protection Agency	02/23/2022	03/10/2022	03/10/2022
US	DOD	Department of Defense Sites	USGS	06/07/2021	07/13/2021	03/09/2022
US	FEDLAND	Federal and Indian Lands	U.S. Geological Survey	04/02/2018	04/11/2018	11/06/2019
US	FUDS	Formerly Used Defense Sites	U.S. Army Corps of Engineers	12/01/2021	02/15/2022	05/10/2022
US	UMTRA	Uranium Mill Tailings Sites	Department of Energy	08/30/2019	11/15/2019	01/28/2020
US	ODI	Open Dump Inventory	Environmental Protection Agency	06/30/1985	08/09/2004	09/17/2004
US	US MINES	Mines Master Index File	Department of Labor, Mine Safety and Health A	02/01/2022	02/23/2022	05/24/2022
US	MINES VIOLATIONS	MSHA Violation Assessment Data	DOL, Mine Safety & Health Admi	03/21/2022	03/22/2022	03/25/2022
US	US MINES 2	Ferrous and Nonferrous Metal Mines Database Listing	USGS	05/06/2020	05/27/2020	08/13/2020
US	US MINES 3	Active Mines & Mineral Plants Database Listing	USGS	04/14/2011	06/08/2011	09/13/2011
US	PRP	Potentially Responsible Parties	EPA	01/25/2022	02/03/2022	02/25/2022
US	TRIS	Toxic Chemical Release Inventory System	EPA	12/31/2018	08/14/2020	11/04/2020
US	TSCA	Toxic Substances Control Act	EPA	12/31/2016	06/17/2020	09/10/2020

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

St	Acronym	Full Name	Government Agency	Gov Date	Arvl. Date	Active Date
US	FTTS	FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fu	EPA/Office of Prevention, Pesticides and Toxi	04/09/2009	04/16/2009	05/11/2009
US	FTTS INSP	FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fu	EPA	04/09/2009	04/16/2009	05/11/2009
US	HIST FTTS	FIFRA/TSCA Tracking System Administrative Case Listing	Environmental Protection Agency	10/19/2006	03/01/2007	04/10/2007
US	HIST FTTS INSP	FIFRA/TSCA Tracking System Inspection & Enforcement Case Lis	Environmental Protection Agency	10/19/2006	03/01/2007	04/10/2007
US	SSTS	Section 7 Tracking Systems	EPA	01/19/2022	01/19/2022	04/11/2022
US	ICIS	Integrated Compliance Information System	Environmental Protection Agency	11/18/2016	11/23/2016	02/10/2017
US	PADS	PCB Activity Database System	EPA	01/20/2022	01/20/2022	03/25/2022
US	MLTS	Material Licensing Tracking System	Nuclear Regulatory Commission	07/29/2021	08/24/2021	11/19/2021
US	RADINFO	Radiation Information Database	Environmental Protection Agency	07/01/2019	07/01/2019	09/23/2019
US	FINDS	Facility Index System/Facility Registry System	EPA	05/13/2022	05/18/2022	05/31/2022
US	RAATS	RCRA Administrative Action Tracking System	EPA	04/17/1995	07/03/1995	08/07/1995
US	RMP	Risk Management Plans	Environmental Protection Agency	04/27/2022	05/04/2022	05/10/2022
US	BRS	Biennial Reporting System	EPA/NTIS	12/31/2019	03/02/2022	03/25/2022
US	PWS	Public Water System Data	EPA	12/17/2013	01/09/2014	10/15/2014
US	INDIAN RESERV	Indian Reservations	USGS	12/31/2014	07/14/2015	01/10/2017
US	INDIAN ODI	Report on the Status of Open Dumps on Indian Lands	Environmental Protection Agency	12/31/1998	12/03/2007	01/24/2008
US	IHS OPEN DUMPS	Open Dumps on Indian Land	Department of Health & Human Serivces, Indian	04/01/2014	08/06/2014	01/29/2015
US	ABANDONED MINES	Abandoned Mines	Department of Interior	12/14/2021	12/15/2021	03/10/2022
CA	CA BOND EXP. PLAN	Bond Expenditure Plan	Department of Health Services	01/01/1989	07/27/1994	08/02/1994
CA	CDL	Clandestine Drug Labs	Department of Toxic Substances Control	12/31/2019	01/20/2021	04/08/2021
CA	CHMIRS	California Hazardous Material Incident Report System	Office of Emergency Services	12/31/2021	01/19/2022	04/08/2022
CA	CORTESE	"Cortese" Hazardous Waste & Substances Sites List	CAL EPA/Office of Emergency Information	12/16/2021	12/16/2021	03/03/2022
CA	CUPA LIVERMORE-PLEASANTON	CUPA Facility Listing	Livermore-Pleasanton Fire Department	12/07/2021	05/09/2022	05/17/2022
CA	DEED	Deed Restriction Listing	DTSC and SWRCB	02/28/2022	02/28/2022	05/25/2022
CA	DRYCLEAN SOUTH COAST	South Coast Air Quality Management District Drycleaner Listi	South Coast Air Quality Management District	02/17/2022	02/24/2022	05/18/2022
CA	DRYCLEAN AVAQMD	Antelope Valley Air Quality Management District Drycleaner L	Antelope Valley Air Quality Management Distri	02/24/2022	02/25/2022	05/18/2022
CA	DRYCLEANERS	Cleaner Facilities	Department of Toxic Substance Control	08/27/2021	09/01/2021	11/19/2021
CA	EMI	Emissions Inventory Data	California Air Resources Board	12/31/2019	06/10/2021	08/27/2021
CA	ENF	Enforcement Action Listing	State Water Resoruces Control Board	04/12/2022	04/19/2022	05/31/2022
CA	Financial Assurance 1	Financial Assurance Information Listing	Department of Toxic Substances Control	01/13/2022	01/14/2022	04/08/2022
CA	Financial Assurance 2	Financial Assurance Information Listing	California Integrated Waste Management Board	02/23/2022	02/24/2022	05/18/2022
CA	HAULERS	Registered Waste Tire Haulers Listing	Integrated Waste Management Board	02/15/2022	02/24/2022	05/25/2022
CA	HAZNET	Facility and Manifest Data	California Environmental Protection Agency	12/31/2019	04/15/2020	07/02/2020
CA	HIST CORTESE	Hazardous Waste & Substance Site List	Department of Toxic Substances Control	04/01/2001	01/22/2009	04/08/2009
CA	HWP	EnviroStor Permitted Facilities Listing	Department of Toxic Substances Control	02/14/2022	02/15/2022	05/12/2022
CA	HWT	Registered Hazardous Waste Transporter Database	Department of Toxic Substances Control	01/03/2022	01/04/2022	03/18/2022
CA	ICE	ICE	Department of Toxic Subsances Control	02/14/2022	02/15/2022	05/12/2022
CA	LDS	Land Disposal Sites Listing (GEOTRACKER)	State Water Qualilty Control Board	05/23/2022	05/23/2022	05/24/2022
CA	LIENS	Environmental Liens Listing	Department of Toxic Substances Control	02/24/2022	02/25/2022	03/09/2022
CA	MCS	Military Cleanup Sites Listing (GEOTRACKER)	State Water Resources Control Board	05/23/2022	05/23/2022	05/24/2022
CA	MINES	Mines Site Location Listing	Department of Conservation	03/07/2022	03/08/2022	06/01/2022
CA	MWMP	Medical Waste Management Program Listing	Department of Public Health	02/17/2022	02/28/2022	05/25/2022
CA	NPDES	NPDES Permits Listing	State Water Resources Control Board	02/07/2022	02/08/2022	05/05/2022
CA	PEST LIC	Pesticide Regulation Licenses Listing	Department of Pesticide Regulation	02/28/2022	02/28/2022	05/25/2022
CA	PROC	Certified Processors Database	Department of Conservation	03/07/2022	03/08/2022	06/02/2022
CA	NOTIFY 65	Proposition 65 Records	State Water Resources Control Board	12/13/2021	12/14/2021	03/03/2022
CA	SCH	School Property Evaluation Program	Department of Toxic Substances Control	01/24/2022	01/25/2022	04/13/2022

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

St	Acronym	Full Name	Government Agency	Gov Date	Arvl. Date	Active Date
CA	SPILLS 90	SPILLS90 data from FirstSearch	FirstSearch	06/06/2012	01/03/2013	02/22/2013
CA	TOXIC PITS	Toxic Pits Cleanup Act Sites	State Water Resources Control Board	07/01/1995	08/30/1995	09/26/1995
CA	UIC	UIC Listing	Deaprtment of Conservation	03/07/2022	03/08/2022	06/02/2022
CA	WASTEWATER PITS	Oil Wastewater Pits Listing	RWQCB, Central Valley Region	02/11/2021	07/01/2021	09/29/2021
CA	WDS	Waste Discharge System	State Water Resources Control Board	06/19/2007	06/20/2007	06/29/2007
CA	WIP	Well Investigation Program Case List	Los Angeles Water Quality Control Board	07/03/2009	07/21/2009	08/03/2009
CA	WMUDS/SWAT	Waste Management Unit Database	State Water Resources Control Board	04/01/2000	04/10/2000	05/10/2000
CA	OTHER OIL GAS	Other Oil & Gas Projects Sites (GEOTRACKER)	State Water Resources Control Board	05/23/2022	05/23/2022	06/02/2022
CA	PFAS	PFAS Contamination Site Location Listing	State Water Resources Control Board	03/07/2022	03/08/2022	06/02/2022
CA	AQUEOUS FOAM	Former Fire Training Facility Assessments Listing	State Water Resources Control Board	02/20/2020	12/10/2021	02/25/2022
CA	CIWQS	California Integrated Water Quality System	State Water Resources Control Board	02/28/2022	02/28/2022	05/25/2022
US	DOCKET HWC	Hazardous Waste Compliance Docket Listing	Environmental Protection Agency	05/06/2021	05/21/2021	08/11/2021
CA	NON-CASE INFO	Non-Case Information Sites (GEOTRACKER)	State Water Resources Control Board	05/23/2022	05/23/2022	06/02/2022
CA	MILITARY PRIV SITES	Military Privatized Sites (GEOTRACKER)	State Water Resources Control Board	05/23/2022	05/23/2022	06/02/2022
CA	WELL STIM PROJ	Well Stimulation Project (GEOTRACKER)	State Water Resources Control Board	05/23/2022	05/23/2022	06/02/2022
CA	UIC GEO	Underground Injection Control Sites (GEOTRACKER)	State Water Resource Control Board	05/23/2022	05/23/2022	06/02/2022
CA	SAMPLING POINT	Sampling Point ? Public Sites (GEOTRACKER)	State Water Resources Control Board	05/23/2022	05/23/2022	06/02/2022
CA	PROJECT	Project Sites (GEOTRACKER)	State Water Resources Control Board	05/23/2022	05/23/2022	06/02/2022
CA	PROD WATER PONDS	Produced Water Ponds Sites (GEOTRACKER)	State Water Resources Control Board	05/23/2022	05/23/2022	06/02/2022
CA	CERS	CalEPA Regulated Site Portal Data	California Environmental Protection Agency	01/18/2022	01/19/2022	04/08/2022
US	MINES MRDS	Mineral Resources Data System	USGS	04/06/2018	10/21/2019	10/24/2019
US	ECHO	Enforcement & Compliance History Information	Environmental Protection Agency	01/01/2022	01/04/2022	01/10/2022
CA	CERS HAZ WASTE	CERS HAZ WASTE	CalEPA	01/18/2022	01/19/2022	04/11/2022
CA	CERS TANKS	California Environmental Reporting System (CERS) Tanks	California Environmental Protection Agency	01/18/2022	01/19/2022	04/11/2022
US	UXO	Unexploded Ordnance Sites	Department of Defense	12/31/2020	01/11/2022	02/14/2022
CA	WDR	Waste Discharge Requirements Listing	State Water Resources Control Board	03/07/2022	03/08/2022	06/03/2022
CA	HWTS	Hazardous Waste Tracking System	Department of Toxic Substances Control	04/05/2022	04/05/2022	04/26/2022
US	FUELS PROGRAM	EPA Fuels Program Registered Listing	EPA	02/17/2022	02/17/2022	05/10/2022
US	FEDERAL FACILITY	Federal Facility Site Information listing	Environmental Protection Agency	05/25/2021	06/24/2021	09/20/2021

HISTORICAL USE RECORDS

US	EDR MGP	EDR Proprietary Manufactured Gas Plants	EDR, Inc.			
US	EDR Hist Auto	EDR Exclusive Historical Auto Stations	EDR, Inc.			
US	EDR Hist Cleaner	EDR Exclusive Historical Cleaners	EDR, Inc.			
CA	RGA LF	Recovered Government Archive Solid Waste Facilities List	Department of Resources Recycling and Recover		07/01/2013	01/13/2014
CA	RGA LUST	Recovered Government Archive Leaking Underground Storage Tan	State Water Resources Control Board		07/01/2013	12/30/2013

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

St	Acronym	Full Name	Government Agency	Gov Date	Arvl. Date	Active Date
COUNTY RECORDS						
CA	CS ALAMEDA	Contaminated Sites	Alameda County Environmental Health Services	01/09/2019	01/11/2019	03/05/2019
CA	UST ALAMEDA	Underground Tanks	Alameda County Environmental Health Services	12/28/2021	12/28/2021	03/18/2022
CA	CUPA AMADOR	CUPA Facility List	Amador County Environmental Health	02/04/2022	02/04/2022	05/02/2022
CA	CUPA BUTTE	CUPA Facility Listing	Public Health Department	04/21/2017	04/25/2017	08/09/2017
CA	CUPA CALVERAS	CUPA Facility Listing	Calveras County Environmental Health	12/28/2021	12/28/2021	03/18/2022
CA	CUPA COLUSA	CUPA Facility List	Health & Human Services	04/06/2020	04/23/2020	07/10/2020
CA	SL CONTRA COSTA	Site List	Contra Costa Health Services Department	01/24/2022	01/25/2022	04/14/2022
CA	CUPA DEL NORTE	CUPA Facility List	Del Norte County Environmental Health Divisio	01/10/2022	01/26/2022	04/14/2022
CA	CUPA EL DORADO	CUPA Facility List	El Dorado County Environmental Management Dep	02/16/2022	02/17/2022	05/10/2022
CA	CUPA FRESNO	CUPA Resources List	Dept. of Community Health	06/28/2021	12/21/2021	03/03/2022
CA	CUPA GLENN	CUPA Facility List	Glenn County Air Pollution Control District	01/22/2018	01/24/2018	03/14/2018
CA	CUPA HUMBOLDT	CUPA Facility List	Humboldt County Environmental Health	08/12/2021	08/12/2021	11/08/2021
CA	CUPA IMPERIAL	CUPA Facility List	San Diego Border Field Office	01/13/2022	01/14/2022	04/06/2022
CA	CUPA INYO	CUPA Facility List	Inyo County Environmental Health Services	04/02/2018	04/03/2018	06/14/2018
CA	CUPA KERN	CUPA Facility List	Kern County Public Health	02/10/2022	02/11/2022	05/04/2022
CA	UST KERN	Underground Storage Tank Sites & Tank Listing	Kern County Environment Health Services Depar	02/10/2022	02/11/2022	05/04/2022
CA	CUPA KINGS	CUPA Facility List	Kings County Department of Public Health	12/03/2020	01/26/2021	04/14/2021
CA	CUPA LAKE	CUPA Facility List	Lake County Environmental Health	02/10/2022	02/11/2022	05/04/2022
CA	CUPA LASSEN	CUPA Facility List	Lassen County Environmental Health	07/31/2020	08/21/2020	11/09/2020
CA	AOCONCERN	Key Areas of Concerns in Los Angeles County		03/30/2009	03/31/2009	10/23/2009
CA	HMS LOS ANGELES	HMS: Street Number List	Department of Public Works	04/04/2022	04/05/2022	04/13/2022
CA	LF LOS ANGELES	List of Solid Waste Facilities	La County Department of Public Works	01/10/2022	01/11/2022	04/04/2022
CA	LF LOS ANGELES CITY	City of Los Angeles Landfills	Engineering & Construction Division	01/01/2022	01/21/2022	04/11/2022
CA	LOS ANGELES AST	Active & Inactive AST Inventory	Los Angeles Fire Department	06/01/2019	06/25/2019	08/22/2019
CA	LOS ANGELES CO LF METHANE	Methane Producing Landfills	Los Angeles County Department of Public Works	01/10/2022	01/12/2022	04/04/2022
CA	LOS ANGELES HM	Active & Inactive Hazardous Materials Inventory	Los Angeles Fire Department	04/19/2021	06/17/2021	06/28/2021
CA	LOS ANGELES UST	Active & Inactive UST Inventory	Los Angeles Fire Department	04/19/2021	06/17/2021	09/14/2021
CA	SITE MIT LOS ANGELES	Site Mitigation List	Community Health Services	05/26/2021	07/09/2021	09/29/2021
CA	UST EL SEGUNDO	City of El Segundo Underground Storage Tank	City of El Segundo Fire Department	01/21/2017	04/19/2017	05/10/2017
CA	UST LONG BEACH	City of Long Beach Underground Storage Tank	City of Long Beach Fire Department	04/22/2019	04/23/2019	06/27/2019
CA	UST TORRANCE	City of Torrance Underground Storage Tank	City of Torrance Fire Department	02/02/2021	04/28/2021	07/13/2021
CA	CUPA MADERA	CUPA Facility List	Madera County Environmental Health	08/10/2020	08/12/2020	10/23/2020
CA	UST MARIN	Underground Storage Tank Sites	Public Works Department Waste Management	09/26/2018	10/04/2018	11/02/2018
CA	UST MENDOCINO	Mendocino County UST Database	Department of Public Health	09/22/2021	11/18/2021	11/22/2021
CA	CUPA MERCED	CUPA Facility List	Merced County Environmental Health	02/15/2022	02/17/2022	05/11/2022
CA	CUPA MONO	CUPA Facility List	Mono County Health Department	02/22/2021	03/02/2021	05/19/2021
CA	CUPA MONTEREY	CUPA Facility Listing	Monterey County Health Department	10/04/2021	10/06/2021	12/29/2021
CA	LUST NAPA	Sites With Reported Contamination	Napa County Department of Environmental Manag	01/09/2017	01/11/2017	03/02/2017
CA	UST NAPA	Closed and Operating Underground Storage Tank Sites	Napa County Department of Environmental Manag	09/05/2019	09/09/2019	10/31/2019
CA	CUPA NEVADA	CUPA Facility List	Community Development Agency	01/25/2022	01/26/2022	04/14/2022
CA	IND_SITE ORANGE	List of Industrial Site Cleanups	Health Care Agency	01/14/2022	02/03/2022	04/14/2022
CA	LUST ORANGE	List of Underground Storage Tank Cleanups	Health Care Agency	01/14/2022	02/04/2022	05/02/2022
CA	UST ORANGE	List of Underground Storage Tank Facilities	Health Care Agency	01/14/2022	02/01/2022	04/18/2022
CA	MS PLACER	Master List of Facilities	Placer County Health and Human Services	05/25/2022	05/26/2022	06/01/2022
CA	CUPA PLUMAS	CUPA Facility List	Plumas County Environmental Health	03/31/2019	04/23/2019	06/26/2019

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

St	Acronym	Full Name	Government Agency	Gov Date	Arvl. Date	Active Date
CA	LUST RIVERSIDE	Listing of Underground Tank Cleanup Sites	Department of Environmental Health	03/31/2022	03/31/2022	04/08/2022
CA	UST RIVERSIDE	Underground Storage Tank Tank List	Department of Environmental Health	03/31/2022	03/31/2022	04/08/2022
CA	CS SACRAMENTO	Toxic Site Clean-Up List	Sacramento County Environmental Management	06/18/2021	09/28/2021	12/14/2021
CA	ML SACRAMENTO	Master Hazardous Materials Facility List	Sacramento County Environmental Management	08/02/2021	08/04/2021	11/02/2021
CA	CUPA SAN BENITO	CUPA Facility List	San Benito County Environmental Health	04/29/2022	04/29/2022	05/05/2022
CA	PERMITS SAN BERNARDINO	Hazardous Material Permits	San Bernardino County Fire Department Hazardo	05/12/2022	05/12/2022	05/18/2022
CA	HMMD SAN DIEGO	Hazardous Materials Management Division Database	Hazardous Materials Management Division	02/28/2022	02/28/2022	05/25/2022
CA	LF SAN DIEGO	Solid Waste Facilities	Department of Health Services	10/27/2021	03/04/2022	05/31/2022
CA	SAN DIEGO CO LOP	Local Oversight Program Listing	Department of Environmental Health	07/22/2021	10/19/2021	01/13/2022
CA	SAN DIEGO CO SAM	Environmental Case Listing	San Diego County Department of Environmental	03/23/2010	06/15/2010	07/09/2010
CA	CUPA SAN FRANCISCO CO	CUPA Facility Listing	San Francisco County Department of Environmen	02/03/2022	02/04/2022	02/11/2022
CA	LUST SAN FRANCISCO	Local Oversite Facilities	Department Of Public Health San Francisco Cou	09/19/2008	09/19/2008	09/29/2008
CA	UST SAN FRANCISCO	Underground Storage Tank Information	Department of Public Health	02/03/2022	02/04/2022	05/02/2022
CA	SAN FRANCISCO MAHER	Maher Ordinance Property Listing	San Francisco Planning	01/18/2022	01/20/2022	04/27/2022
CA	UST SAN JOAQUIN	San Joaquin Co. UST	Environmental Health Department	06/22/2018	06/26/2018	07/11/2018
CA	CUPA SAN LUIS OBISPO	CUPA Facility List	San Luis Obispo County Public Health Departme	02/15/2022	02/16/2022	05/13/2022
CA	BI SAN MATEO	Business Inventory	San Mateo County Environmental Health Service	02/20/2020	02/20/2020	04/24/2020
CA	LUST SAN MATEO	Fuel Leak List	San Mateo County Environmental Health Service	03/29/2019	03/29/2019	05/29/2019
CA	CUPA SANTA BARBARA	CUPA Facility Listing	Santa Barbara County Public Health Department	09/08/2011	09/09/2011	10/07/2011
CA	CUPA SANTA CLARA	Cupa Facility List	Department of Environmental Health	02/14/2022	02/16/2022	05/12/2022
CA	HIST LUST SANTA CLARA	HIST LUST - Fuel Leak Site Activity Report	Santa Clara Valley Water District	03/29/2005	03/30/2005	04/21/2005
CA	LUST SANTA CLARA	LOP Listing	Department of Environmental Health	03/03/2014	03/05/2014	03/18/2014
CA	SAN JOSE HAZMAT	Hazardous Material Facilities	City of San Jose Fire Department	11/03/2020	11/05/2020	01/26/2021
CA	CUPA SANTA CRUZ	CUPA Facility List	Santa Cruz County Environmental Health	01/21/2017	02/22/2017	05/23/2017
CA	CUPA SHASTA	CUPA Facility List	Shasta County Department of Resource Manageme	06/15/2017	06/19/2017	08/09/2017
CA	LUST SOLANO	Leaking Underground Storage Tanks	Solano County Department of Environmental Man	06/04/2019	06/06/2019	08/13/2019
CA	UST SOLANO	Underground Storage Tanks	Solano County Department of Environmental Man	09/15/2021	09/16/2021	12/09/2021
CA	CUPA SONOMA	Cupa Facility List	County of Sonoma Fire & Emergency Services De	07/02/2021	07/06/2021	07/14/2021
CA	LUST SONOMA	Leaking Underground Storage Tank Sites	Department of Health Services	06/30/2021	06/30/2021	09/24/2021
CA	CUPA STANISLAUS	CUPA Facility List	Stanislaus County Department of Ennvironmenta	02/08/2022	02/10/2022	05/04/2022
CA	UST SUTTER	Underground Storage Tanks	Sutter County Environmental Health Services	11/23/2021	11/29/2021	02/11/2022
CA	CUPA TEHAMA	CUPA Facility List	Tehama County Department of Environmental Hea	01/13/2021	01/14/2021	04/06/2021
CA	CUPA TRINITY	CUPA Facility List	Department of Toxic Substances Control	01/13/2022	01/14/2022	04/06/2022
CA	CUPA TULARE	CUPA Facility List	Tulare County Environmental Health Services D	04/26/2021	04/28/2021	07/13/2021
CA	CUPA TUOLUMNE	CUPA Facility List	Divison of Environmental Health	04/23/2018	04/25/2018	06/25/2018
CA	BWT VENTURA	Business Plan, Hazardous Waste Producers, and Operating Unde	Ventura County Environmental Health Division	12/27/2021	01/20/2022	04/08/2022
CA	LF VENTURA	Inventory of Illegal Abandoned and Inactive Sites	Environmental Health Division	12/01/2011	12/01/2011	01/19/2012
CA	LUST VENTURA	Listing of Underground Tank Cleanup Sites	Environmental Health Division	05/29/2008	06/24/2008	07/31/2008
CA	MED WASTE VENTURA	Medical Waste Program List	Ventura County Resource Management Agency	12/27/2021	01/20/2022	04/11/2022
CA	UST VENTURA	Underground Tank Closed Sites List	Environmental Health Division	02/28/2022	03/08/2022	06/02/2022
CA	UST YOLO	Underground Storage Tank Comprehensive Facility Report	Yolo County Department of Health	12/27/2021	01/04/2022	03/18/2022
CA	CUPA YUBA	CUPA Facility List	Yuba County Environmental Health Department	01/26/2022	01/27/2022	04/14/2022

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

St	Acronym	Full Name	Government Agency	Gov Date	Arvl. Date	Active Date

STREET AND ADDRESS INFORMATION

© 2015 TomTom North America, Inc. All rights reserved. This material is proprietary and the subject of copyright protection and other intellectual property rights owned by or licensed to Tele Atlas North America, Inc. The use of this material is subject to the terms of a license agreement. You will be held liable for any unauthorized copying or disclosure of this material.

APPENDIX E

AGENCY RECORDS

From: Tracy Roberts
To: "HazMat Records Search"
Subject: Records Search Request - Fontana, CA
Date: Tuesday, June 7, 2022 10:29:21 AM
Attachments: image001.png
SBCFPD Records Search Request Form.pdf

Hello,

Leighton and Associates, Inc. is requesting information for the following San Bernardino County APNs & Historical Addresses located in Fontana, CA:

- 025132135, & -17 through -27; and
- 025117119
- 16605, 16617, 16627, 16637, 16649, and 16655 Valley Blvd; and
- 10172, 10182, and 10120 Juniper Avenue

We are requesting any information concerning hazardous waste/materials, underground storage tanks, leaking underground storage tanks cleanup, inspections, violations, or any other environmental sensitive spills, responses or concerns.

Thank you for your assistance.

Leighton 60th Anniversary

TRACY ROBERTS
Staff Environmental Geologist
10532 Acacia Street, Suite B-6
Rancho Cucamonga, CA 91730
o. 909.527.8774
m. 909.222.9018

Celebrate our **60 Years** us by visiting our new website at www.leightongroup.com

From: Tracy Roberts
To: "cypressfileroom@dtsc.ca.gov"
Subject: Records Search Request- Fontana, CA
Date: Tuesday, June 7, 2022 10:30:05 AM
Attachments: image001.png

Hello,

Leighton and Associates, Inc. is requesting information for the following San Bernardino County APNs & Historical Addresses located in Fontana, CA:

- 025132135, & -17 through -27; and
- 025117119
- 16605, 16617, 16627, 16637, 16649, and 16655 Valley Blvd; and
- 10172, 10182, and 10120 Juniper Avenue

We are requesting any information concerning hazardous waste/materials, underground storage tanks, leaking underground storage tanks cleanup, inspections, violations, or any other environmental sensitive spills, responses or concerns.

Thank you for your assistance.

TRACY ROBERTS
Staff Environmental Geologist
10532 Acacia Street, Suite B-6
Rancho Cucamonga, CA 91730
o. 909.527.8774
m. 909.222.9018

Celebrate our **60 Years** us by visiting our new website at www.leightongroup.com

Department of Toxic Substances Control

Meredith Williams, Ph.D., Director
5796 Corporate Avenue
Cypress, California 90630

Jared Blumenfeld
Secretary for
Environmental Protection

Gavin Newsom
Governor

June 7, 2022

Tracy Roberts
Leighton
troberts@leightongroup.com

PR4-060722-03

APN: 025132135 & -17 through -27 & 025117119 & 16605, 16617, 16627, 16637, 16649, & 16655 Valley Blvd & 10172, 10182, & 10120 Juniper Ave., Fontana & 4325 Etiwanda Ave., Jurupa Valley.

Dear Requestor:

On, June 7, 2022, the Department of Toxic Substances Control (DTSC) received your email of June 7, 2022, requesting records under the Public Records Act. After a thorough review of our files, *no site records* were found pertaining to the sites/facilities referenced above.

A large number of our records are available on EnviroStor, an online database that provides non-confidential, public access to DTSCs data management system. It tracks our cleanup, permitting, enforcement, and investigation efforts at hazardous waste facilities and sites with known or suspected contamination issues. EnviroStor is available 24/7, 365 days a year. The data reflects the latest updates as they are entered in the system. Access it from your computer or smartphone, the local library – anywhere Internet access is available. Just go to www.envirostor.dtsc.ca.gov. You will find a step-by-step tour of EnviroStor under the "How to Use EnviroStor" menu on the website.

If you have any questions or would like further information regarding your request, please contact me via email at: jone.barrio@dtsc.ca.gov.

Sincerely,
Jone Barrio
Jone Barrio
Regional Records Coordinator
DTSC - Administration/Cypress

FONTANA
CALIFORNIA

JUNE 16, 2022

VIA EMAIL
troberts@leightongroup.com

Tracy Roberts
10532 Acacia Street Suite B6
Rancho Cucamonga, Ca., 91730

Re: ***Public Records Act Request Received June 7, 2022***

Dear Mr. Roberts:

On June 7, 2022, the City of Fontana received your request for Public Records, made under the California Public Records Act (Gov Code §§ 6250-6276.48). In your request you have requested the following.

We are requesting any information concerning any current or historic building records and permits associated with these properties.

1. • 025132135, & -17 through -27; and
   • 025117119
   • 16605, 16617, 16627, 16637, 16649, and 16655 Valley Blvd; and
   • 10172, 10182, and 10120 Juniper Avenue

In Response

1. Attached are responsive documents.

Sincerely,
Ashton R. Arocho
Ashton R. Arocho, MMC, CPMC
Deputy City Clerk

Application for Building Permit

CITY OF FONTANA

8353 SIERRA AVE.
FONTANA, CA 92335
(909) 350-7640
INSPECTION REQUEST'S
(909) 350-7693

10196

Job Address: ~~10190~~ JUNIPER AVE

COMPLETED

Owner: VASQUEZ EDDIE G
10190 JUNIPER AVE
FONTANA CA,CA
92335 Phone:

CONTRACTOR ARCHITECT
EDCA SEWERAGE-SEPTIC-CESSPOOL
ROJAS, EDWARD & NELL
909-822-5261License Number: 174401

Permit Type: PLUMBING PERMIT (GENERAL)

Permit Number: 00110387 Issue Date: 11/15/2000

Type Of Const: Code Year: 1997
Occupancy Group(s):
Use Class: RES # of Stories:
Tract #: Lot #:

APN NO.: 0251321270000 Specific Plan: NONE
Property Faces:
Set Backs:
Front: Rear:
Left: Right:

Valuation: $0
Description: REPLACE FAILED SEEPAGE PIT FOR 1.000 GAL TANK

LICENSED CONTRACTORS DECLARATION

☐ I hereby affirm under penalty of perjury that I am licensed under provisions of Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code, and my license is in full force and effect.

License Class C-42 License No [illegible]

Date 11-15-00 Contractor Signature [signature]

OWNER - BUILDER DECLARATION

I hereby affirm under penalty of perjury that I am exempt from the Contractors License Law for the following reason (Sec. 7031.5, Business and Professions Code: Any city or county which requires a permit to construct, alter, improve, demolish, or repair any structure, prior to its issuance, also requires the applicant for such permit to file a signed statement that he or she is licensed pursuant to the provisions of the Contractors License Law (Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code) or that he or she is exempt therefrom and the basis for the alleged exemption. Any violation of Section 7031.5 by any applicant for a permit subjects the applicant to a civil penalty of not more than five hundred dollars ($500).):

☐ I, as owner of the property, or my employees with wages as their sole compensation, will do the work, and the structure is not intended or offered for sale (Sec. 7044, Business and Professions Code: The Contractors License Law does not apply to an owner of property who builds or improves thereon, and who does such work himself or herself or through his or her own employees, provided that such improvements are not intended or offered for sale. If, however, the building or improvement is sold within one year of completion, the owner-builder will have the burden of proving that he or she did not build or improve for the purpose of sale.).

☐ I, as owner of the property, am exclusively contracting with licensed contractors to construct the project (Sec. 7044, Business and Professions Code: The Contractors License Law does not apply to an owner of property who builds or improves thereon, and who contracts for such projects with a contractor(s) licensed pursuant to the Contractors' License Law.).

☐ I am exempt under Sec _____ . B.&P.C. for this reason _____

Date _____ Owner's Signature _____

WORKERS' COMPENSATION DECLARATION

I hereby affirm under penalty of perjury one of the following declarations:

☐ I have and will maintain a certificate of consent to self-insure for workers' compensation, as provided for by Section 3700 of the Labor Code, for the performance of the work for which this permit is issued.

☐ I have and will maintain workers' compensation insurance, as required by Section 3700 of the Labor Code, for the performance of the work for which this permit is issued. My workers' compensation insurance carrier and policy number are:

Carrier _____ Policy Number _____

Signature [signature]

CERTIFICATE OF EXEMPTION FROM WORKERS' COMPENSATION INSURANCE

(This section need not be completed if the permit is for one hundred dollars ($100) or less.) I certify that in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the workers' compensation laws of California, and agree that if I should become subject to the workers' compensation provisions of Section 3700 of the Labor Code, I shall forthwith comply with those provisions.

Date: _____ Applicant: _____

NOTICE TO APPLICANT: If, after making this Certificate of Exemption, you should become subject to the Workers' Compensation provisions of the Labor Code, you must forthwith comply with such provisions or this permit shall be deemed revoked.
WARNING: Failure to secure workers' compensation coverage is unlawful, and shall subject an employer to criminal penalties and civil fines up to one hundred thousand dollars ($100,000), in addition to the cost of compensation, damages as provided for in section 3706 of the labor code, interest and attorney's fees.

CONSTRUCTION LENDING AGENCY

I hereby affirm under penalty of perjury that there is a construction lending agency for the performance of the work for which this permit is issued (Sec. 3097, Civ. C.).

Lender's Name _____

Lender's Address _____

Signature of Applicant or Agent _____ Date _____

HAZARDOUS MATERIAL DECLARATION

Will the applicant or future building occupant handle a hazardous material or a mixture containing a hazardous material equal to or greater than the amounts specified on the Hazardous Materials Information Guide? ☐ YES ☒ NO

Will the proposed building be within 1000 feet of the outer boundary of a school? ☐ YES ☒ NO

If "YES" to any of the above, you must obtain proper permits from South Coast Air Quality Management. If no permits are NOT required, provide a written statement from the air quality agency.
If "YES" to any of the above, contact: San Bernardino County, Department of Environmental Health Services, 385 N. Arrowhead-First Floor Public Counter, San Bernardino, CA 92415-0160-(909) 387-3044.

Owner or Authorized Agent X [signature]

NOTE: OWNER SHALL BE RESPONSIBLE FOR THE LEGAL AND ACTUAL PHYSICAL SETBACKS FROM PROPERTY LINE AS REQUIRED BY ORDINANCE OF THE CITY OF FONTANA.
Building Permits are subject to expiration if work is not commenced within 180 days after date of issuance or if work is suspended for 180 days.

I DO HEREBY AGREE that all work in connection with this Building and Safety Department Permit shall comply with all the laws and requirements of the City of Fontana, hereinafter called City, and I hereby certify that in performance of said work, I shall not violate any law of the State of California, including provisions for Workmans' Compensation Insurance, licenses and other regulations of the State. I agree to hold the City harmless from any and all liability for personal injury and property damage caused by any work done by me, my employees, agents or representatives on the premises. I agree that this permit shall not make the City subject to any claim for liability arising from any work done thereunder and I agree to pay the amount of such claim against the City. I certify that I have read this application and that the information given is correct. I agree to comply with all state laws and City ordinances relating to building construction and authorize a representative of the City of Fontana, Department of Building and Safety, to enter upon the property for which I have applied for this permit for the purpose of making inspection.

Date 11-15-00 Signature X [signature]

Mailing Address _____

OFFICE

Architects / Engineers

ID	Name	Lic.
NO SUBCONTRACTORS ASSIGNED		

Fee Summary:

Fee Group	TOTAL	Paid	Due
B-ARCHIVE	2.00	2.00	0.00
B-PLUM PERMIT	60.75	60.75	0.00
*** FEE TOTALS ***	62.75	62.75	0.00

JOB CARD

PERMIT NO. _____

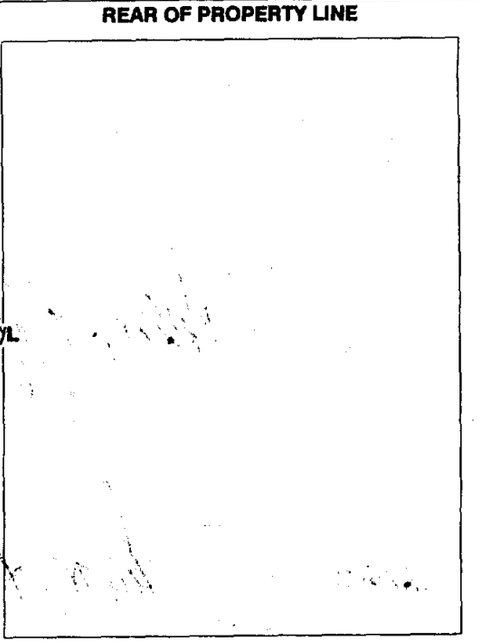
NO.	OPERATION	DATE	INSPECTOR
	BUILDING APPROVALS		
1	Set Backs		
2	Spec. Inspection		
3	Ftgs. & Forms		
4	Slab Grade		
5	Steel		
6	Grout Blocks		
7	Bond Beams		
8	Roof Deck		
9	Framing		
10	Insulation Walls		
11	Vents		
12	Gar. Firewall		
13	Fireplace PL		
14	Ext. Lath		
15	Int. Lath		
16	Drywall		
17	Insul. Ceiling (Batts)		
18	Insul. Ceiling (Blown)		
19	Ext. Grading		
20	Pool Pregunite		
21	Pool Fence Gate		
22	Mobile Home Set-up		
23	OCC Insp.		
	Shear Panel		
	Hold Downs		
	T-Bar		
24	**FINAL**		
	PLUMBING APPROVALS		
25	Grd. Plumbing		
26	Water Piping		
27	Rough Plumbing		
28	Vents		
29	Sewage Disposal		
30	Sewer		
31	Water Heater		
32	Water Softner		
33	Water Service		
34	Gas Test		
35	Solar		
	Sewer C.O.		
36	**FINAL**		
	ELECTRICAL APPROVALS		
37	Power Pole		
38	Conduit		
39	Service Entrance		
40	Wiring		
41	Grounding Wire		
42	Bonding		
43	Fixtures		
44	Service		
45	OCC Sign		
46	**FINAL**		
	MECHANICAL APPROVALS		
47	Ventilation System		
48	Plenums & Ducts		
49	Furnace Compart.		
50	Inlets - Outlets		
51	Combustion Air		
52	Compressor		
53	Appliance Clear		
54	Fire Damper		
55	Smoke Detec. Device		
56	Commercial Hood		
57	**FINAL**		
58	**PERMIT FINAL**	03/26/01	BOB
59	**APP / CORR**		
60	**CERT. OF OCC**		
	FIRE SPRINKLER SYSTEM		
	ROUGH		
	FINAL		
	OTHER		
	FIRE DEPARTMENT APPROVALS		
	ROUGH		
	FINAL		
	OTHER		

ADDITIONAL INFORMATION

SEWAGE SYSTEM SIZE & LOCATION

Tank Pit Leach Line

REAR OF PROPERTY LINE



From: WB-RB8-FileReview8
To: Tracy Roberts
Subject: RE: Records Search Request- Fontana, CA
Date: Friday, June 10, 2022 12:07:12 PM
Attachments: image001.png

Good morning,

After careful review of our records, we show we have no files for the following site(s) in Fontana, CA:
16605, 16617, 16627, 16637, 16649, and 16655 Valley Blvd
10172, 10182, and 10120 Juniper Avenue

If we can be of further assistance, please do not hesitate to contact us again.

Thank you,
File Review Desk
3737 Main St. Suite 500
Riverside, CA 92501

From: Tracy Roberts <troberts@leightongroup.com>
Sent: Tuesday, June 7, 2022 10:32 AM
To: WB-RB8-FileReview8 <FileReview8@waterboards.ca.gov>
Subject: Records Search Request- Fontana, CA

EXTERNAL:

Hello,

Leighton and Associates, Inc. is requesting information for the following Historical Addresses located in Fontana, CA:

- 16605, 16617, 16627, 16637, 16649, and 16655 Valley Blvd; and
- 10172, 10182, and 10120 Juniper Avenue

We are requesting any information concerning hazardous waste/materials, underground storage tanks, leaking underground storage tanks cleanup, inspections, violations, or any other environmental sensitive spills, responses or concerns.

Thank you for your assistance.

Leighton 60th Anniversary

TRACY ROBERTS
Staff Environmental Geologist
10532 Acacia Street, Suite B-6
Rancho Cucamonga, CA 91730
o. 909.527.8774
m. 909.222.9018

Celebrate our **60 Years** us by visiting our new website at www.leightongroup.com

CUPA
San Bernardino County Fire Protection District • Hazardous Materials Division
620 S. E St., San Bernardino, CA 92415-0153 • (909) 386-8468 FAX (909) 386-8460
hazmatrecords@sbcfire.org

REQUEST FOR AN ENVIRONMENTAL AUDIT PHASE 1 CERTIFIED HAZARDOUS MATERIALS RECORDS SEARCH FINDING REPORT

The main focus of a REQUEST FOR AN ENVIRONMENTAL AUDIT PHASE 1 CERTIFIED HAZARDOUS MATERIALS RECORDS SEARCH FINDING REPORT is to determine whether there exists in San Bernardino County Fire Protection District (SBCFPD) any record relating to contamination or reports of spills at a particular site. An Environmental Phase 1 Certified Hazardous Materials Records Search Finding Report should reveal whether there are any facilities at the site that are subject to current or past regulatory activity by SBCFPD, such as underground storage tanks, hazardous material handlers, hazardous waste generators, and CalARP facilities, as well as any reports of spills, incidents, complaints, or cleanup activity, which can be a useful tool in providing a history of compliance or non-compliance.

Once SBCFPD has completed its records search, an Environmental Phase 1 Certified Hazardous Materials Records Search Finding Report will be prepared and issued. Such report will detail all SBCFPD records associated with a particular site by type, date, location, and status (where applicable). All files identified in an Environmental Phase 1 Certified Hazardous Materials Records Search Finding Report can be made available for copies and/or review upon request.

If the completed records search reveals no SBCFPD record of hazardous material activity at the site, an Environmental Phase 1 Certified Hazardous Materials Records Search Finding Report will be issued, noting that "no records" were identified.

Please provide a specific site address or location description. If a situs address does not exist or cannot be found, list another type of location identifier such as Assessor Parcel Number (preferable), cross streets or intersections (e.g., NWC 5th Ave. & Main St.), and/or legal description. If possible, please attach a map to this request form.

SITE INFORMATION		
Property Owner or Business Name	Location (Site Address and/or Assessor Parcel No.)	City/Community
	See Below	Fontana, CA

Please provide your name, the company you represent, and contact information below.

REQUESTOR INFORMATION				
NAME	TITLE (*If individual, leave blank*)	COMPANY (*If individual, leave blank*)		
Tracy Roberts	Staff Geologist	Leighton & Associates		
MAILING ADDRESS	CITY	STATE	ZIP CODE	
10532 Acacia St Suite 106	Rancho Cucamonga	CA	91730	
TELEPHONE	FAX	EMAIL ADDRESS		
(909) 222-9018		troberts@leightongroup.com		

So that we may provide better service, please check one or more of the boxes below which best describe how the findings of the Env. Audit Phase 1 Certified Hazardous Materials Records Search will be used and/or your relationship to the property in question.

PURPOSE OR RELATIONSHIP TO PROPERTY

- [x] 1. Phase I site assessment or due diligence **AT THE SITE**
- [ ] 2. Environmental professional involved with remediation **AT THE SITE**
- [ ] 3. Phase I site assessment or due diligence **NEARBY**
- [ ] 4. Environmental professional involved with remediation **NEARBY**
- [ ] 5. Proposed School Site (1/4 mi. search for AHM)
- [ ] 6. Proposed Drinking Water Well
- [ ] 7. Owner or operator of the facility or property
- [ ] 8. Potential buyer
- [ ] 9. Real Estate Agent, Lender, Appraiser
- [ ] 10. Pending escrow
- [ ] 11. Proposed redevelopment
- [ ] 12. Legal or other reason: _____

AGENCY USE	
Phase 1 Certified Record Search Finding Report issued: ___/___/___	Reference No:
Phase 1 Certified "No Record" Finding Report issued: ___/___/___	Amount Paid:
	Receipt No.:
	Date:

San Bern Co. APNs: 0251 32135, -17, -18, -19, -20, -21, -22, -23, -24, -25, -26, -27; 0251 17119
Historic Addresses: 16605, 16617, 16627, 16637, 16649 & 16655 Valley Blvd
10172, 10182 & 10120 Juniper Ave

** IMPORTANT –THIS PAGE MUST BE SIGNED PRIOR TO SUBMITTAL **

DISCLAIMER: While all attempts are made to provide accurate, current, and reliable information, San Bernardino County Fire Protection District *(further referred to as SBDFPD)* recognizes the possibility of human error. Therefore, SBCFPD, its officers, employees, agents and volunteers, make no representations as to the accuracy, completeness or suitability of an Environmental Audit Phase 1 Certified Hazardous Materials Records Search Finding Report and provides an Environmental Audit Phase 1 Certified Hazardous Materials Records Search Finding Report "as is," with no warranties, express or implied, including the implied warranty of fitness for a particular purpose. In no event shall SBCFPD be liable for any damages of any nature whatsoever, arising out of the issuance of a Certified Hazardous Materials Records Search Finding Report. SBCFPD therefore assumes no liability for damages incurred directly or indirectly as a result of any errors, omissions or discrepancies in a Certified Hazardous Materials Records Search Finding Report.

RELEASE AND INDEMNIFICATION: In consideration for the issuance of an Environmental Audit Phase 1 Certified Hazardous Materials Records Search Finding Report, I hereby release and forever discharge SBCFPD, its officers, employees, agents and volunteers from any and all claims, actions, losses, damages and/or liability in connection with SBCFPD's issuance of an Environmental Audit Phase 1 Certified Hazardous Materials Records Search Finding Report, including, but not limited to, claims that may arise due to the active or passive negligence of SBCFPD, its officers, employees, agents and volunteers.

I am familiar with the provisions of California Civil Code Section 1542, which provides as follows:

"A general release does not extend to claims which the creditor does not know or suspect to exist in his or her favor at the time of executing the release, which if known by him or her must have materially affected his or her settlement with the debtor."

I hereby expressly waive any and all rights that I may have there under. I understand and acknowledge the significance and consequence of this specific waiver of California Civil Code Section 1542 and assume full responsibility for any injuries, damages, losses or liabilities that I may hereafter discover as possibly resulting from SBCFPD's issuance of an Environmental Audit Phase 1 Certified Hazardous Materials Records Search Finding Report.

In further consideration for SBCFPD's issuance of an Environmental Audit Phase 1 Certified Hazardous Materials Records Search Finding Report, I hereby agree, for myself, my heirs, administrators, executors and assigns, that I shall indemnify, defend (with counsel approved by County) and hold harmless SBCFPD, its officers, employees, agents and volunteers from any and all claims, demands, actions or suits arising out of or in connection with SBCFPD's issuance of an Environmental Audit Phase 1 Certified Hazardous Materials Records Search Finding Report brought by any third party.

I have read the above terms and conditions, including the paragraphs entitled "DISCLAIMER" and "RELEASE AND INDEMNIFICATION", and by my signature below, I affirm that I understand these terms and conditions and accept them as part of my REQUEST FOR AN ENVIRONMENTAL AUDIT PHASE 1 CERTIFIED HAZARDOUS MATERIALS RECORDS SEARCH FINDING REPORT.

I hereby request an Environmental Audit Phase 1 Certified Hazardous Materials Records Search Finding Report for the location described on Page 1 of this application.

- ☐ **I am including payment of the initial fee of $136.00, for the first hour of research, by check or money order, payable to San Bernardino County Fire Protection District, or by credit card payment taken over the phone. I understand that research exceeding one hour will be billed at the rate of $136.00 for each additional hour spent by SBCFPD in completing this request.**
- ☒ **I have faxed or emailed this request and will forward payment along with the original request form within 48 hours.**

REQUESTOR'S SIGNATURE	
SIGNATURE OF REQUESTOR	DATE
	06/07/2022.

Rev. 05/06/2020

SAN BERNARDINO COUNTY FIRE PROTECTION DISTRICT

620 South "E" Street ● San Bernardino, CA 92415-0153 ● (909) 386-8401 ● Fax (909) 386-8460

Office of the Fire Marshal
Hazardous Materials Division
sbcfire.org

Daniel R. Munsey
Fire Chief/Fire Warden

Michael A. Horton
Fire Marshal/Deputy Fire Warden

June 23, 2022

22061502 Fontana NRL Leighton

LEIGHTON CONSULTING
10532 ACACIA STREET, SUITE B-6
RANCHO CUCAMONGA, CA 91730

ATTENTION: **TRACY ROBERTS**

SUBJECT: **CERTIFIED RECORD SEARCH FINDINGS**
APN#: 0251-321-35-0000, 0251-321-17-0000, 0251-321-18-0000, 0251-321-19-0000, 0251-321-20-0000, 0251-321-21-0000, 0251-321-22-0000, 0251-321-23-0000, 0251-321-24-0000, 0251-321-25-0000, 0251-321-26-0000, 0251-321-27-0000, 0251-17119-0000
15506, 16617, 16627, 16637, 16649, 16655 VALLEY BOULEVARD; 10196, 10172, 10182, 10120 JUNIPER AVENUE; 16606 WASHINGTON DRIVE, FONTANA, CALIFORNIA

This is to confirm that the OFM Hazardous Materials Division (HMD) has searched its records for any file(s) pertaining to the subject property, as described in your request, and finds that no records exist for the above site description(s).

Records maintained by OFM-HMD date back to mid-1980's. Records searched include:

- facilities with hazardous waste generator permits, hazardous materials handler permits, underground storage tank permits, universal waste permits, tiered permits, EPCRA facilities, RMP facilities, Cal ARP facilities, and/or waste recycling generators, including inactive and/or out of business records, as well as non-permitted facility actions;
- logs of permits issued for the removal, installation, and/or modification of underground storage tanks;
- records and databases pertaining to illicit dumping, spill reports and release notifications, and complaints;
- incidents responded to by the hazardous materials emergency response team;
- and sites undergoing remediation for contaminated soil and/or groundwater.

Donna Juday

DONNA JUDAY
Office Specialist
Office of the Fire Marshal

BOARD OF DIRECTORS

Col. Paul Cook (Ret.) — First District
Janice Rutherford — Second District
Dawn Rowe — Vice Chair, Third District
Curt Hagman — Chairman, Fourth District
Joe Baca Jr. — Fifth District

Leonard X. Hernandez
Chief Executive Officer

APPENDIX F

HISTORICAL RESEARCH DOCUMENTATION

Proposed Jefferson Fontana Mixed-Use Residential

SW of The Intersection Juniper Ave and Valley Blvd

Fontana, CA 92335

Inquiry Number: 7009041.4

June 07, 2022

EDR Historical Topo Map Report

with QuadMatch™

6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

EDR Historical Topo Map Report

06/07/22

Site Name:

Proposed Jefferson Fontana M
SW of The Intersection Juniper
Fontana, CA 92335
EDR Inquiry # 7009041.4

Client Name:

Leighton and Associates, Inc.
17781 Cowan
Irvine, CA 92614
Contact: Tracy Roberts

EDR Topographic Map Library has been searched by EDR and maps covering the target property location as provided by Leighton and Associates, Inc. were identified for the years listed below. EDR's Historical Topo Map Report is designed to assist professionals in evaluating potential liability on a target property resulting from past activities. EDRs Historical Topo Map Report includes a search of a collection of public and private color historical topographic maps, dating back to the late 1800s.

Search Results:

P.O.# 13584.001
Project: 13584.001

Coordinates:

Latitude:	34.06933 34° 4' 10" North
Longitude:	-117.441261 -117° 26' 29" West
UTM Zone:	Zone 11 North
UTM X Meters:	459283.49
UTM Y Meters:	3769931.03
Elevation:	1115.24' above sea level

Maps Provided:

2018	1953
2015	1943
2012	1942
1980	1901
1975	1898
1973	1896
1967	
1954	

Disclaimer - Copyright and Trademark Notice

This Report contains certain information obtained from a variety of public and other sources reasonably available to Environmental Data Resources, Inc. It cannot be concluded from this Report that coverage information for the target and surrounding properties does not exist from other sources. NO WARRANTY EXPRESSED OR IMPLIED, IS MADE WHATSOEVER IN CONNECTION WITH THIS REPORT. ENVIRONMENTAL DATA RESOURCES, INC. SPECIFICALLY DISCLAIMS THE MAKING OF ANY SUCH WARRANTIES, INCLUDING WITHOUT LIMITATION, MERCHANTABILITY OR FITNESS FOR A PARTICULAR USE OR PURPOSE. ALL RISK IS ASSUMED BY THE USER. IN NO EVENT SHALL ENVIRONMENTAL DATA RESOURCES, INC. BE LIABLE TO ANYONE, WHETHER ARISING OUT OF ERRORS OR OMISSIONS, NEGLIGENCE, ACCIDENT OR ANY OTHER CAUSE, FOR ANY LOSS OF DAMAGE, INCLUDING, WITHOUT LIMITATION, SPECIAL, INCIDENTAL, CONSEQUENTIAL, OR EXEMPLARY DAMAGES. ANY LIABILITY ON THE PART OF ENVIRONMENTAL DATA RESOURCES, INC. IS STRICTLY LIMITED TO A REFUND OF THE AMOUNT PAID FOR THIS REPORT. Purchaser accepts this Report "AS IS". Any analyses, estimates, ratings, environmental risk levels or risk codes provided in this Report are provided for illustrative purposes only, and are not intended to provide, nor should they be interpreted as providing any facts regarding, or prediction or forecast of, any environmental risk for any property. Only a Phase I Environmental Site Assessment performed by an environmental professional can provide information regarding the environmental risk for any property. Additionally, the information provided in this Report is not to be construed as legal advice.

Copyright 2022 by Environmental Data Resources, Inc. All rights reserved. Reproduction in any media or format, in whole or in part, of any report or map of Environmental Data Resources, Inc., or its affiliates, is prohibited without prior written permission.

EDR and its logos (including Sanborn and Sanborn Map) are trademarks of Environmental Data Resources, Inc. or its affiliates. All other trademarks used herein are the property of their respective owners.

Topo Sheet Key

This EDR Topo Map Report is based upon the following USGS topographic map sheets.

2018 Source Sheets



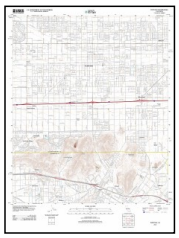
Fontana
2018
7.5-minute, 24000

2015 Source Sheets



Fontana
2015
7.5-minute, 24000

2012 Source Sheets



Fontana
2012
7.5-minute, 24000

1980 Source Sheets

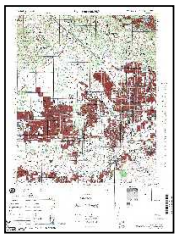


Fontana
1980
7.5-minute, 24000
Aerial Photo Revised 1978

Topo Sheet Key

This EDR Topo Map Report is based upon the following USGS topographic map sheets.

1975 Source Sheets



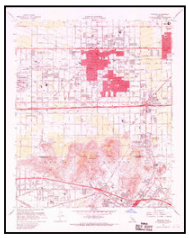
SAN BERNARDINO
1975
15-minute, 50000

1973 Source Sheets



Fontana
1973
7.5-minute, 24000
Aerial Photo Revised 1973

1967 Source Sheets



Fontana
1967
7.5-minute, 24000
Aerial Photo Revised 1966

1954 Source Sheets

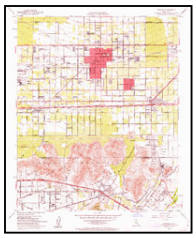


San Bernardino
1954
15-minute, 62500
Aerial Photo Revised 1952

Topo Sheet Key

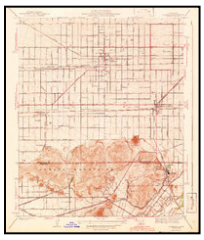
This EDR Topo Map Report is based upon the following USGS topographic map sheets.

1953 Source Sheets



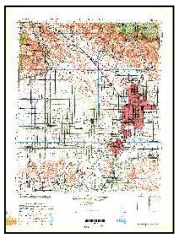
Fontana
1953
7.5-minute, 24000
Aerial Photo Revised 1952

1943 Source Sheets



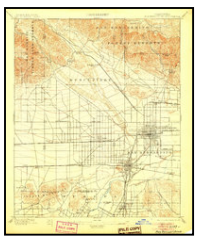
Fontana
1943
7.5-minute, 31680

1942 Source Sheets



SAN BERNARDINO
1942
15-minute, 50000

1901 Source Sheets



San Bernardino
1901
15-minute, 62500

Topo Sheet Key

This EDR Topo Map Report is based upon the following USGS topographic map sheets.

1898 Source Sheets

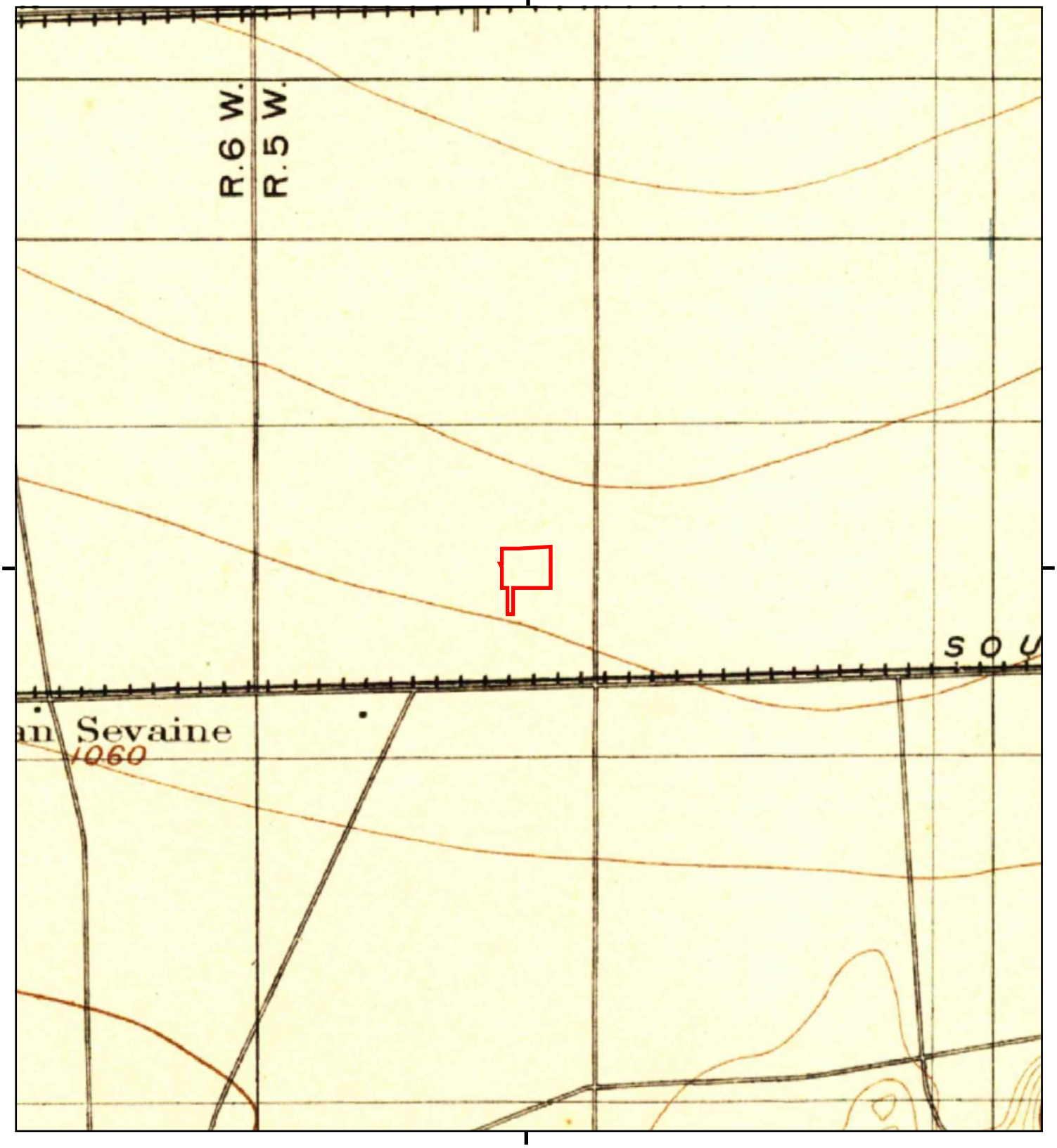


San Bernardino
1898
15-minute, 62500

1896 Source Sheets



San Bernardino
1896
15-minute, 62500



This report includes information from the following map sheet(s).

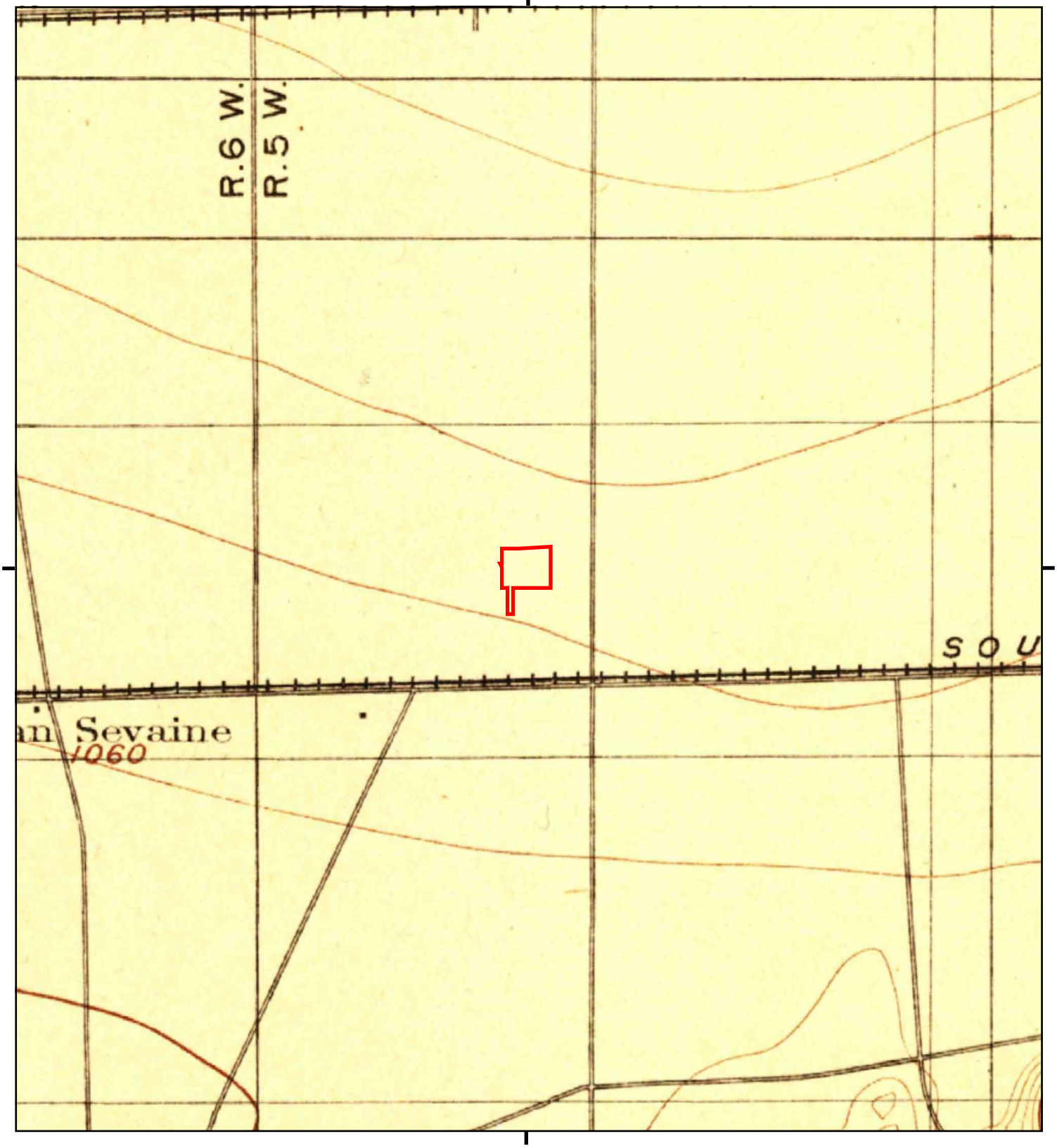
0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

TP, San Bernardino, 1896, 15-minute

SITE NAME: Proposed Jefferson Fontana Mixed-Use F
ADDRESS: SW of The Intersection Juniper Ave and \
Fontana, CA 92335
CLIENT: Leighton and Associates, Inc.

N



This report includes information from the following map sheet(s).

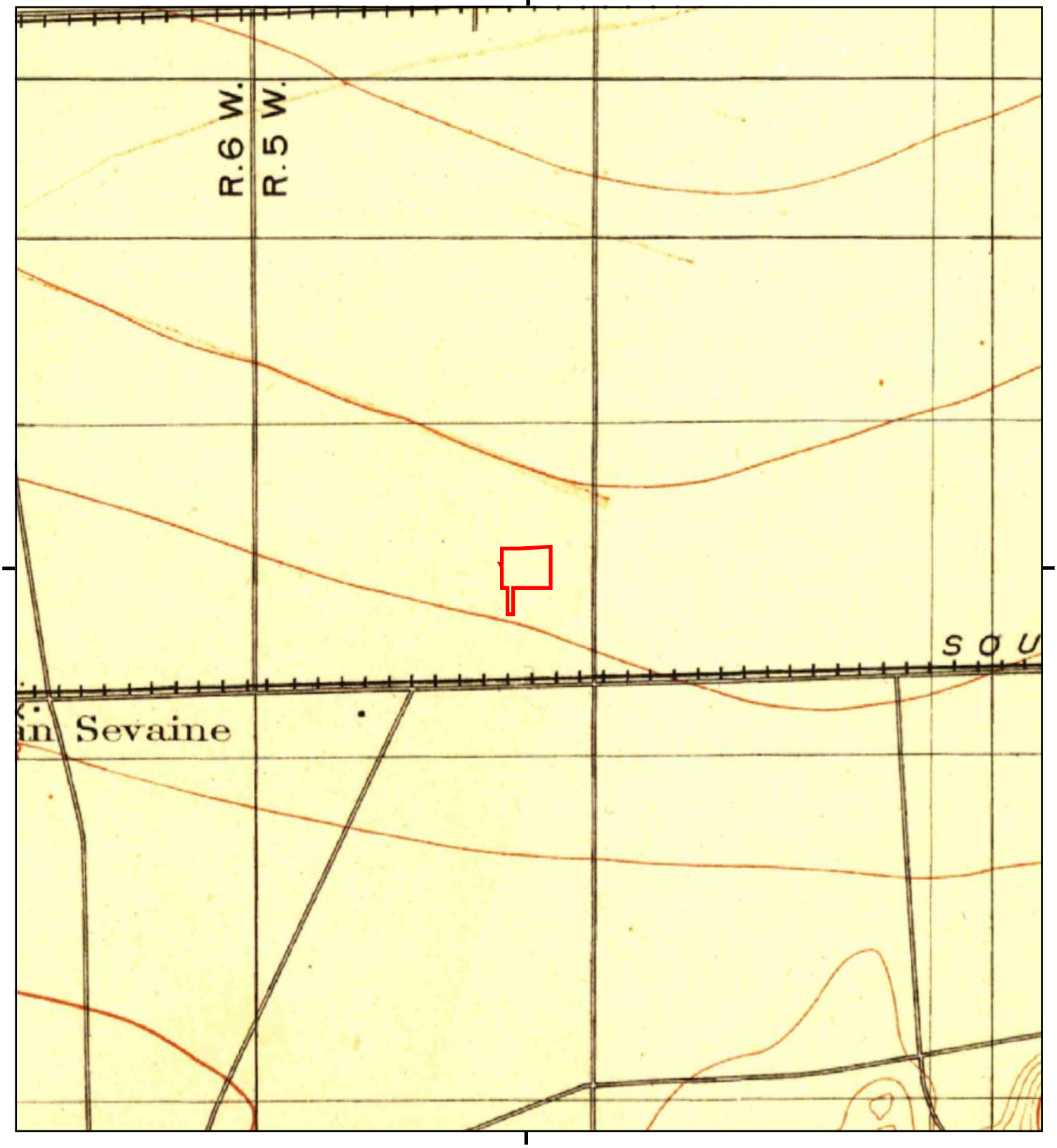
0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

TP, San Bernardino, 1898, 15-minute

SITE NAME: Proposed Jefferson Fontana Mixed-Use F
ADDRESS: SW of The Intersection Juniper Ave and \
Fontana, CA 92335
CLIENT: Leighton and Associates, Inc.

N



This report includes information from the following map sheet(s).

0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

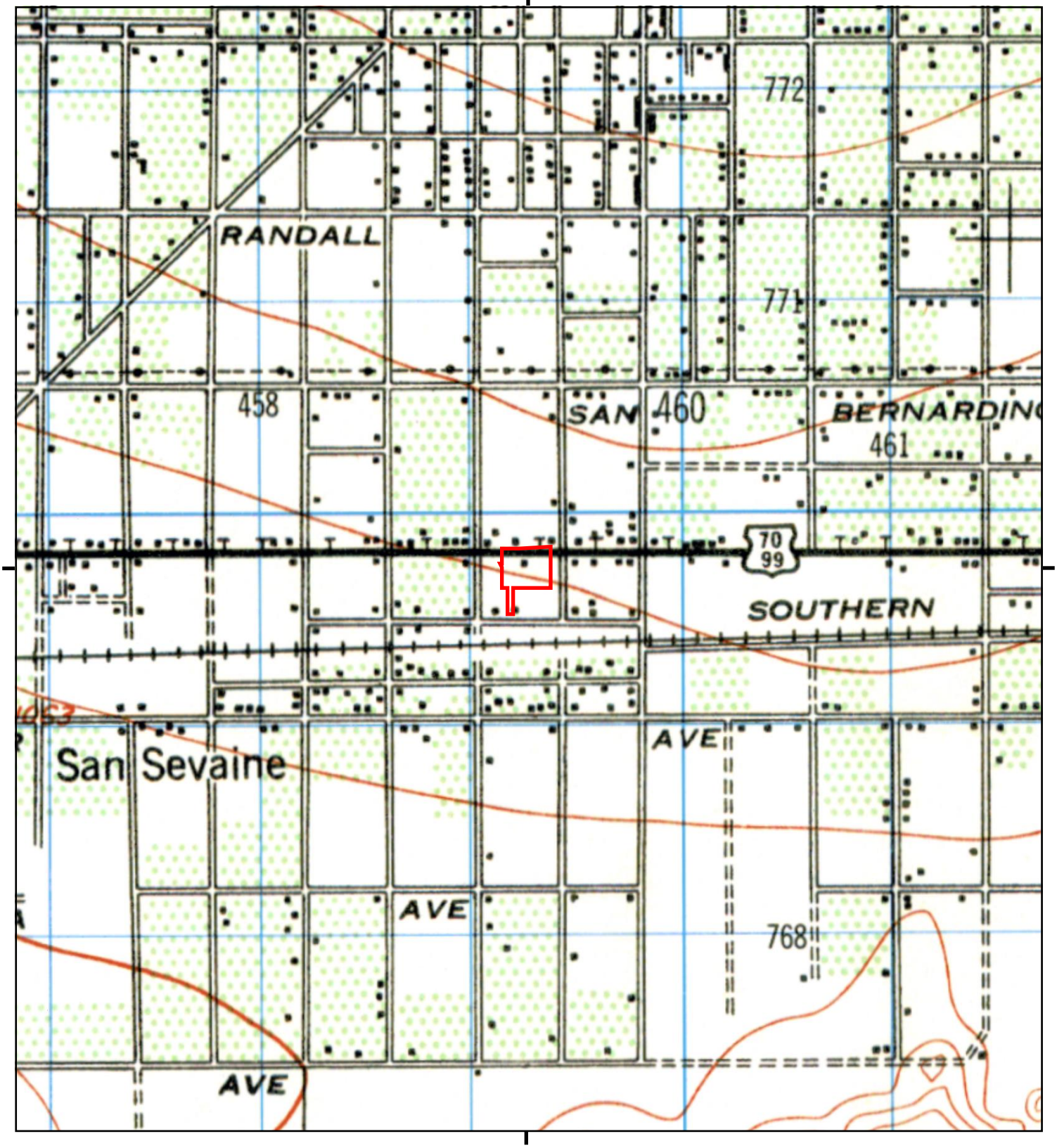
TP, San Bernardino, 1901, 15-minute

SITE NAME: Proposed Jefferson Fontana Mixed-Use F
ADDRESS: SW of The Intersection Juniper Ave and \
Fontana, CA 92335
CLIENT: Leighton and Associates, Inc.

N

Historical Topo Map

1942



This report includes information from the following map sheet(s).

0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

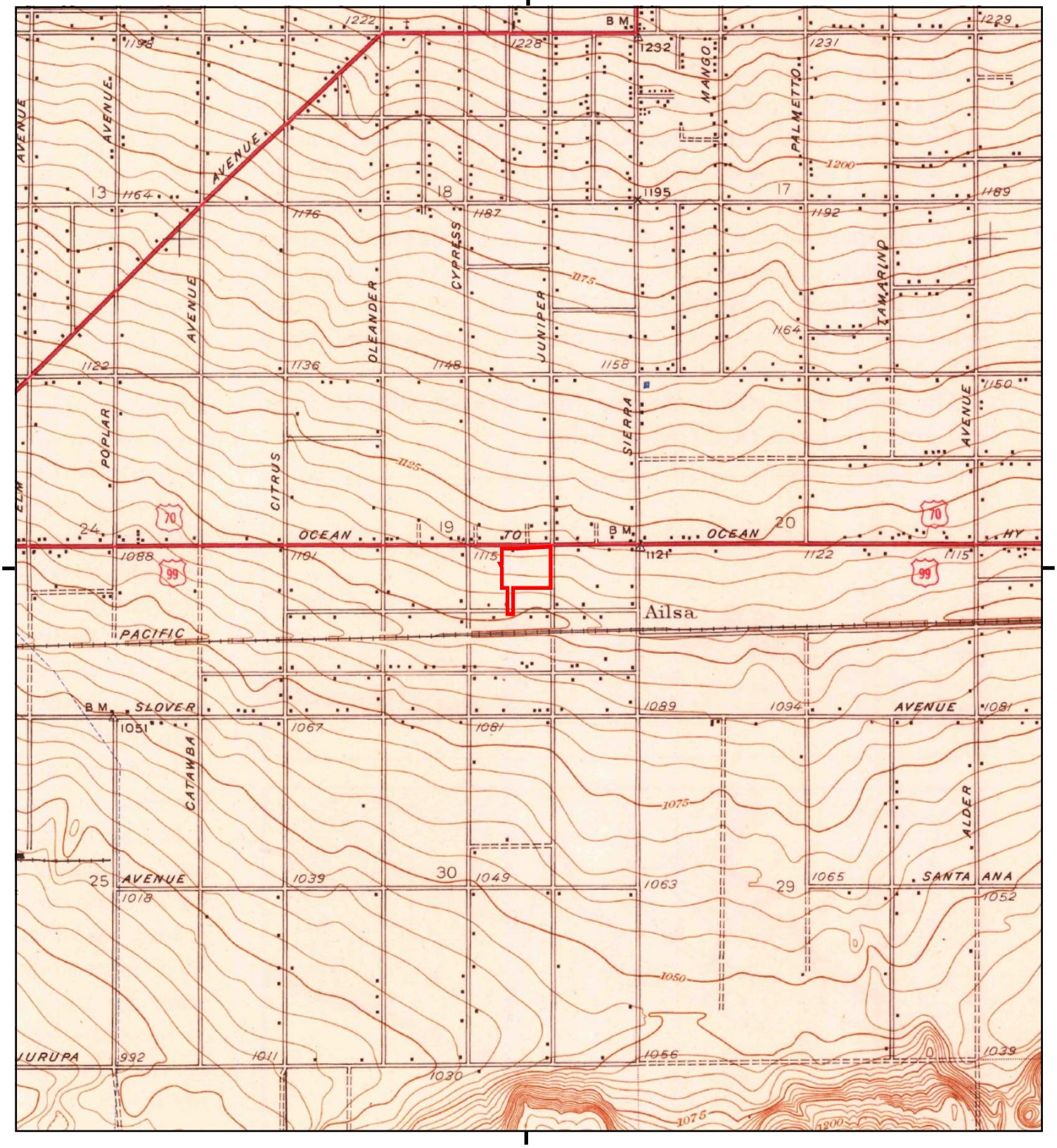
TP, SAN BERNARDINO, 1942, 15-minute

SITE NAME: Proposed Jefferson Fontana Mixed-Use F
ADDRESS: SW of The Intersection Juniper Ave and \
Fontana, CA 92335
CLIENT: Leighton and Associates, Inc.

N

Historical Topo Map

1943



This report includes information from the following map sheet(s).

0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

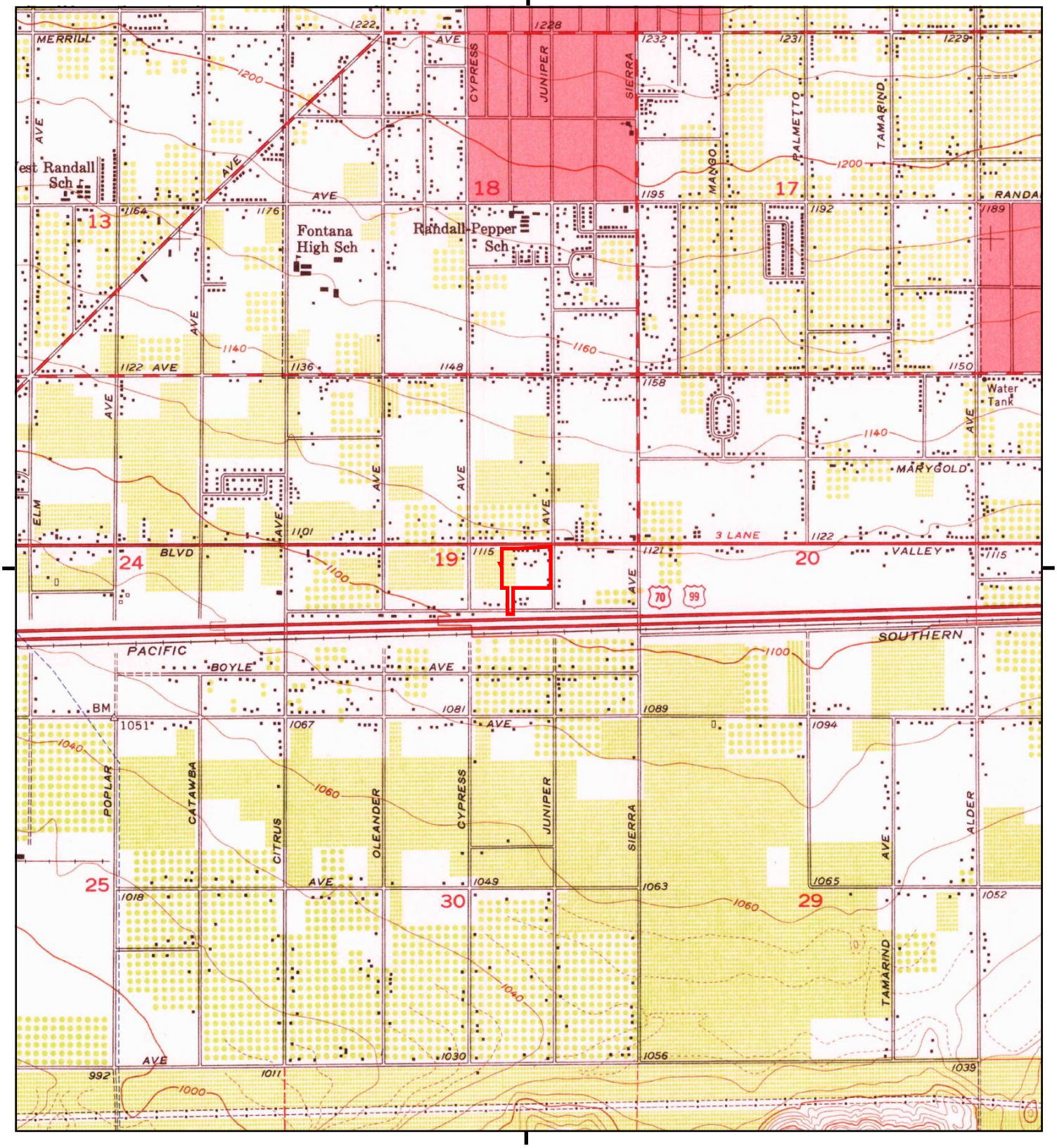
TP, Fontana, 1943, 7.5-minute

SITE NAME: Proposed Jefferson Fontana Mixed-Use F
ADDRESS: SW of The Intersection Juniper Ave and \
Fontana, CA 92335
CLIENT: Leighton and Associates, Inc.

N

Historical Topo Map

1953



This report includes information from the following map sheet(s).

0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

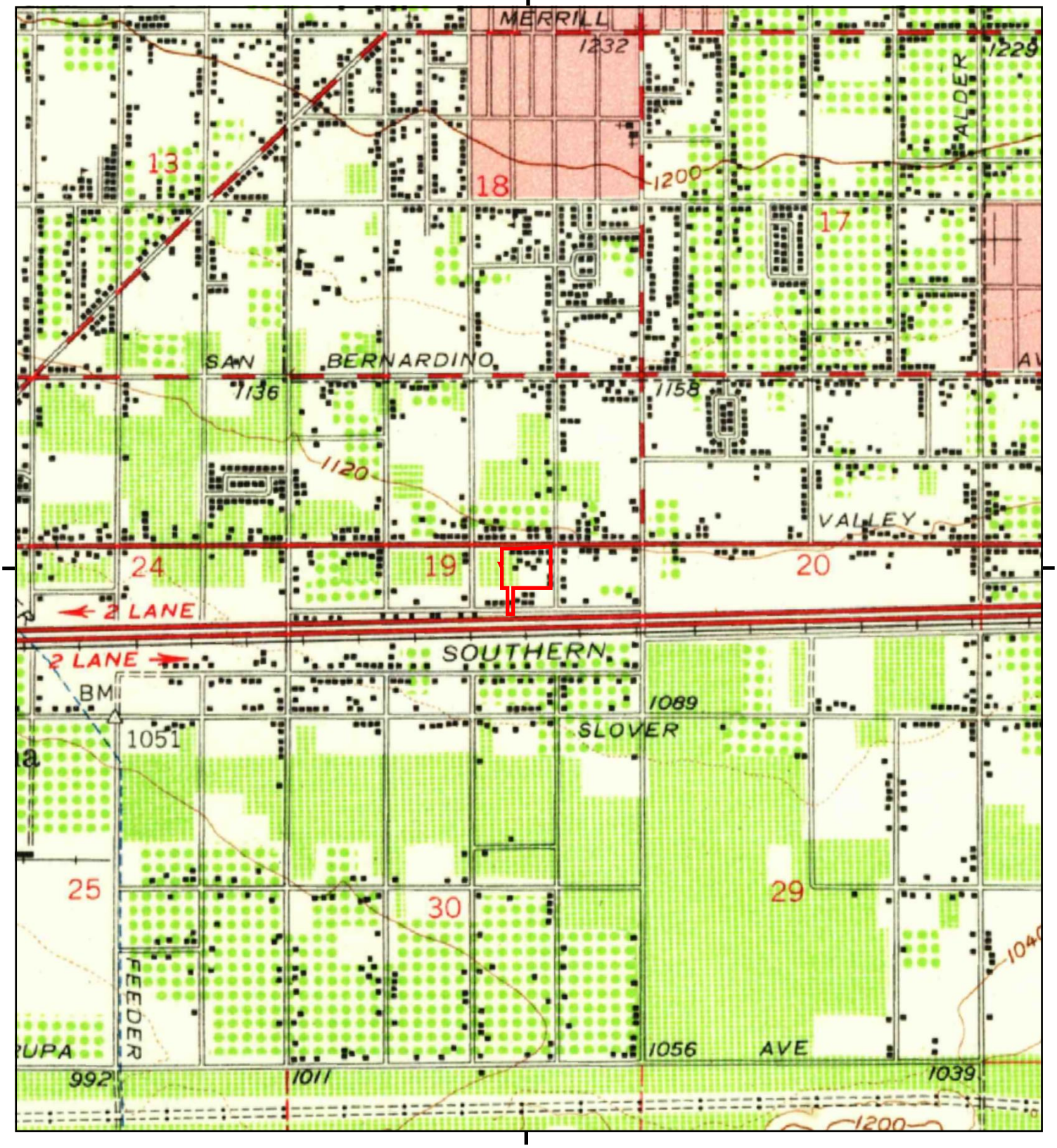
TP, Fontana, 1953, 7.5-minute

SITE NAME: Proposed Jefferson Fontana Mixed-Use F
ADDRESS: SW of The Intersection Juniper Ave and \
Fontana, CA 92335
CLIENT: Leighton and Associates, Inc.

N

Historical Topo Map

1954



This report includes information from the following map sheet(s).

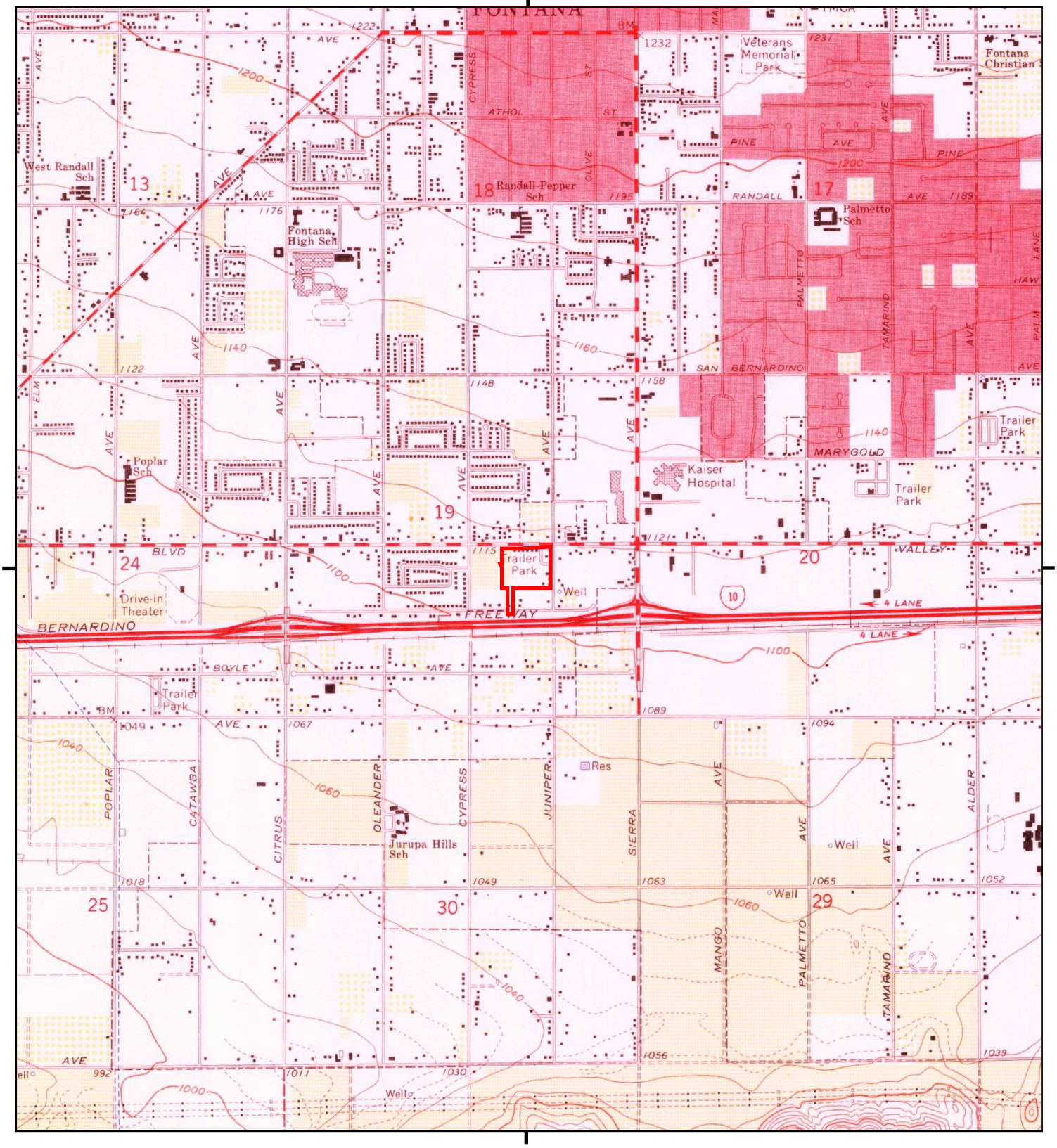
0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

TP, San Bernardino, 1954, 15-minute

SITE NAME: Proposed Jefferson Fontana Mixed-Use F
ADDRESS: SW of The Intersection Juniper Ave and \
Fontana, CA 92335
CLIENT: Leighton and Associates, Inc.

N



This report includes information from the following map sheet(s).

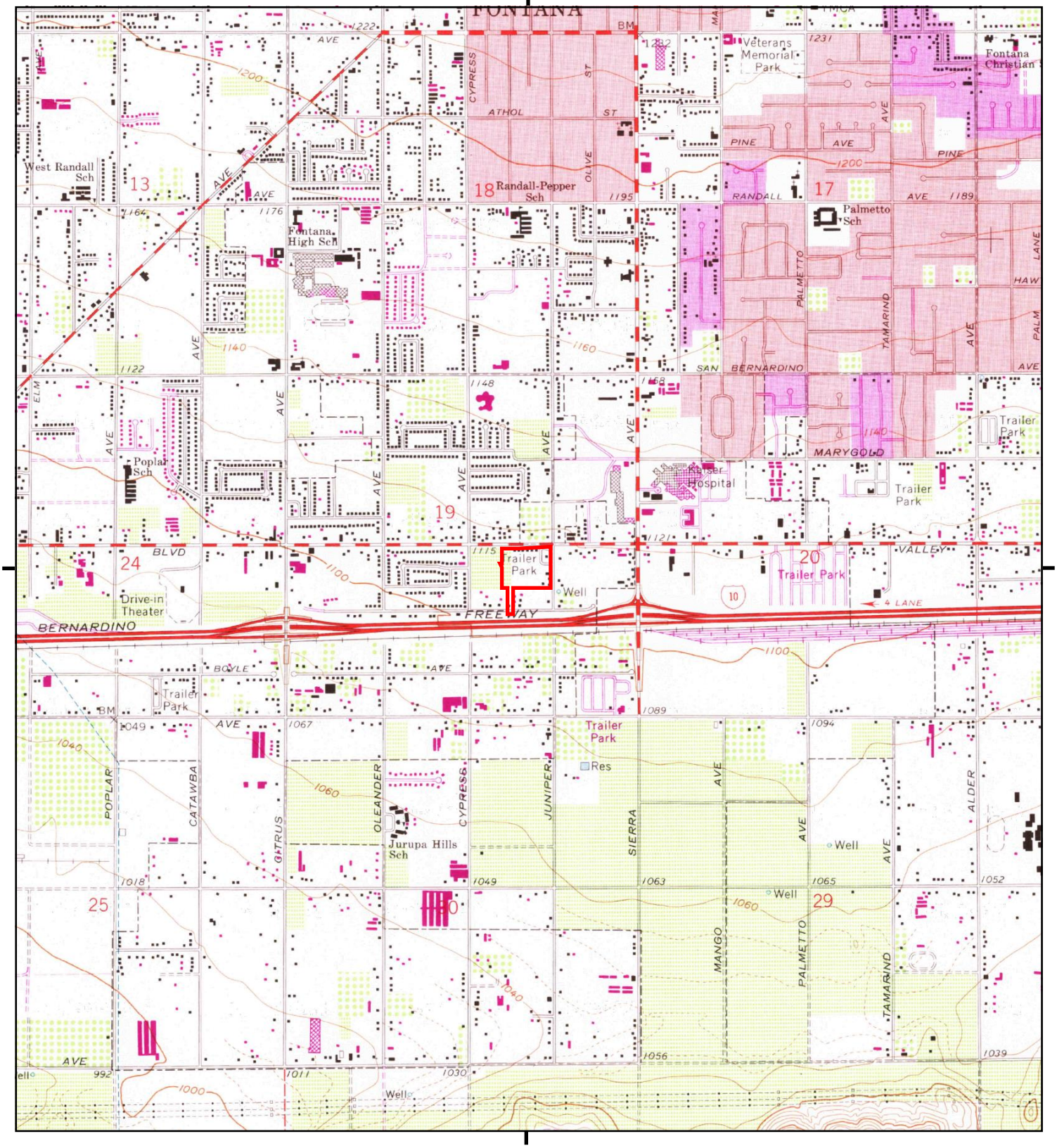
0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

TP, Fontana, 1967, 7.5-minute

SITE NAME: Proposed Jefferson Fontana Mixed-Use F
ADDRESS: SW of The Intersection Juniper Ave and \
Fontana, CA 92335
CLIENT: Leighton and Associates, Inc.

N



This report includes information from the following map sheet(s).

0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

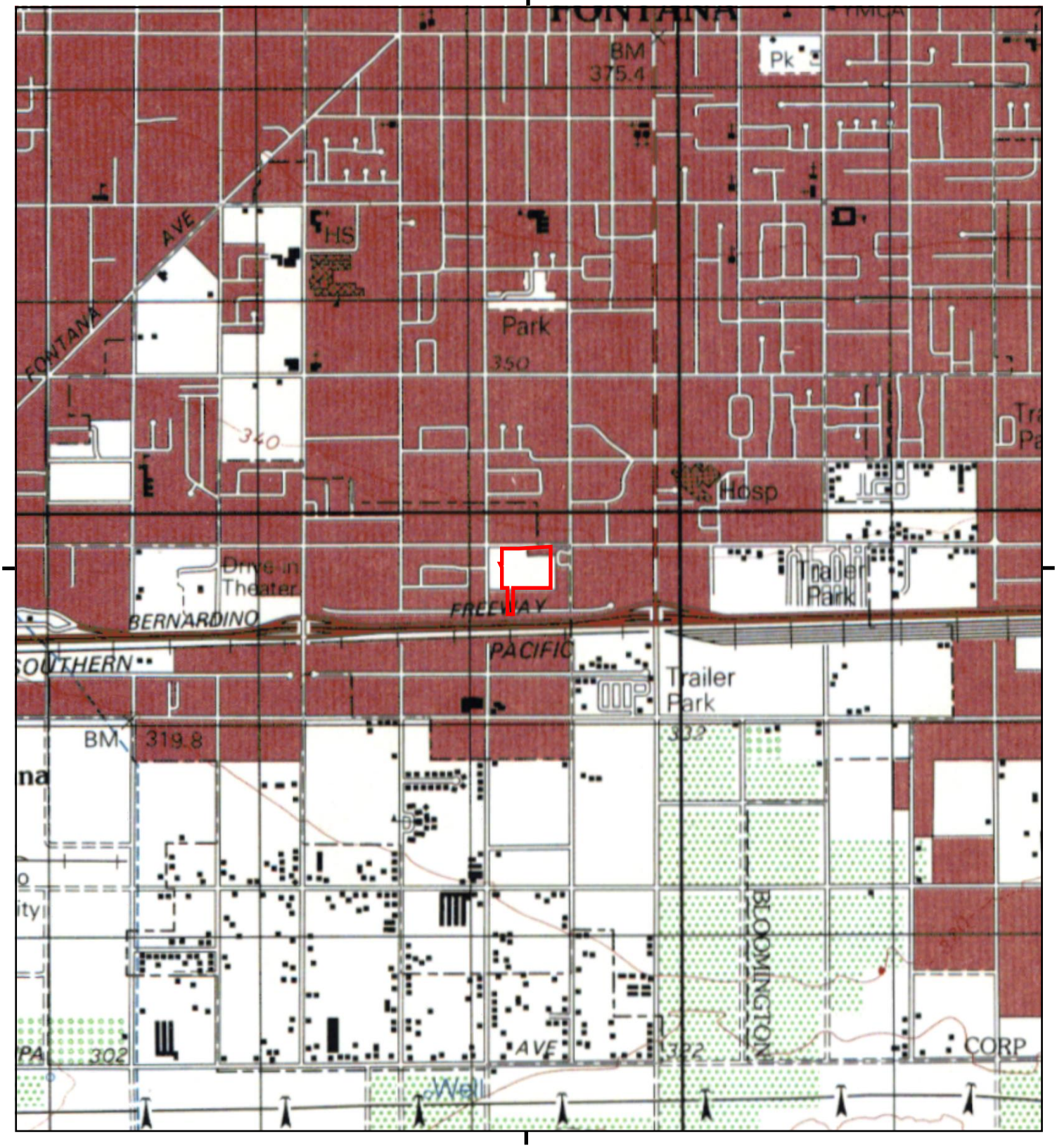
TP, Fontana, 1973, 7.5-minute

SITE NAME: Proposed Jefferson Fontana Mixed-Use F
ADDRESS: SW of The Intersection Juniper Ave and \
Fontana, CA 92335
CLIENT: Leighton and Associates, Inc.

N

Historical Topo Map

1975



This report includes information from the following map sheet(s).

0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

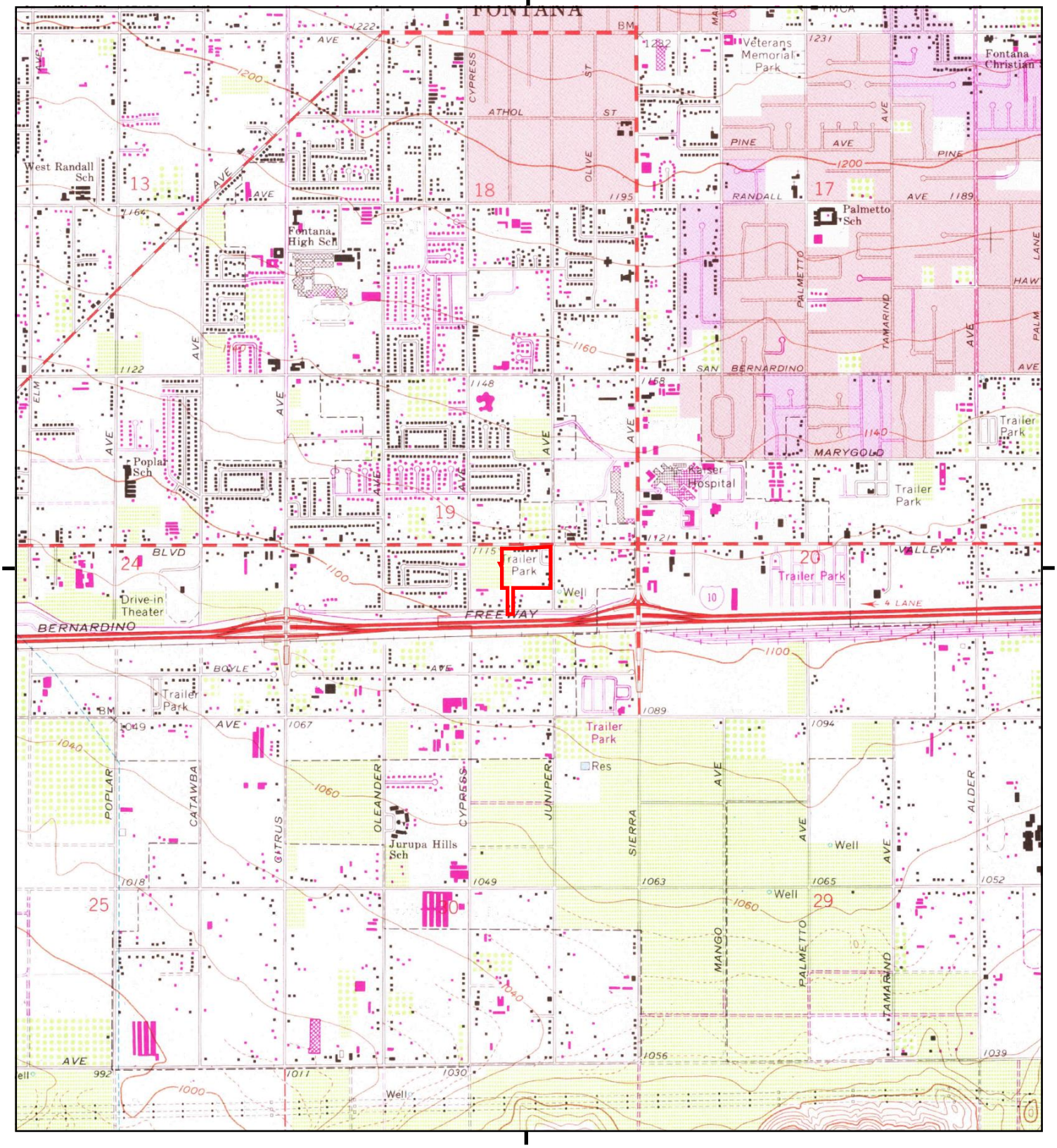
TP, SAN BERNARDINO, 1975, 15-minute

SITE NAME: Proposed Jefferson Fontana Mixed-Use F
ADDRESS: SW of The Intersection Juniper Ave and \
Fontana, CA 92335
CLIENT: Leighton and Associates, Inc.

N

Historical Topo Map

1980



This report includes information from the following map sheet(s).

0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

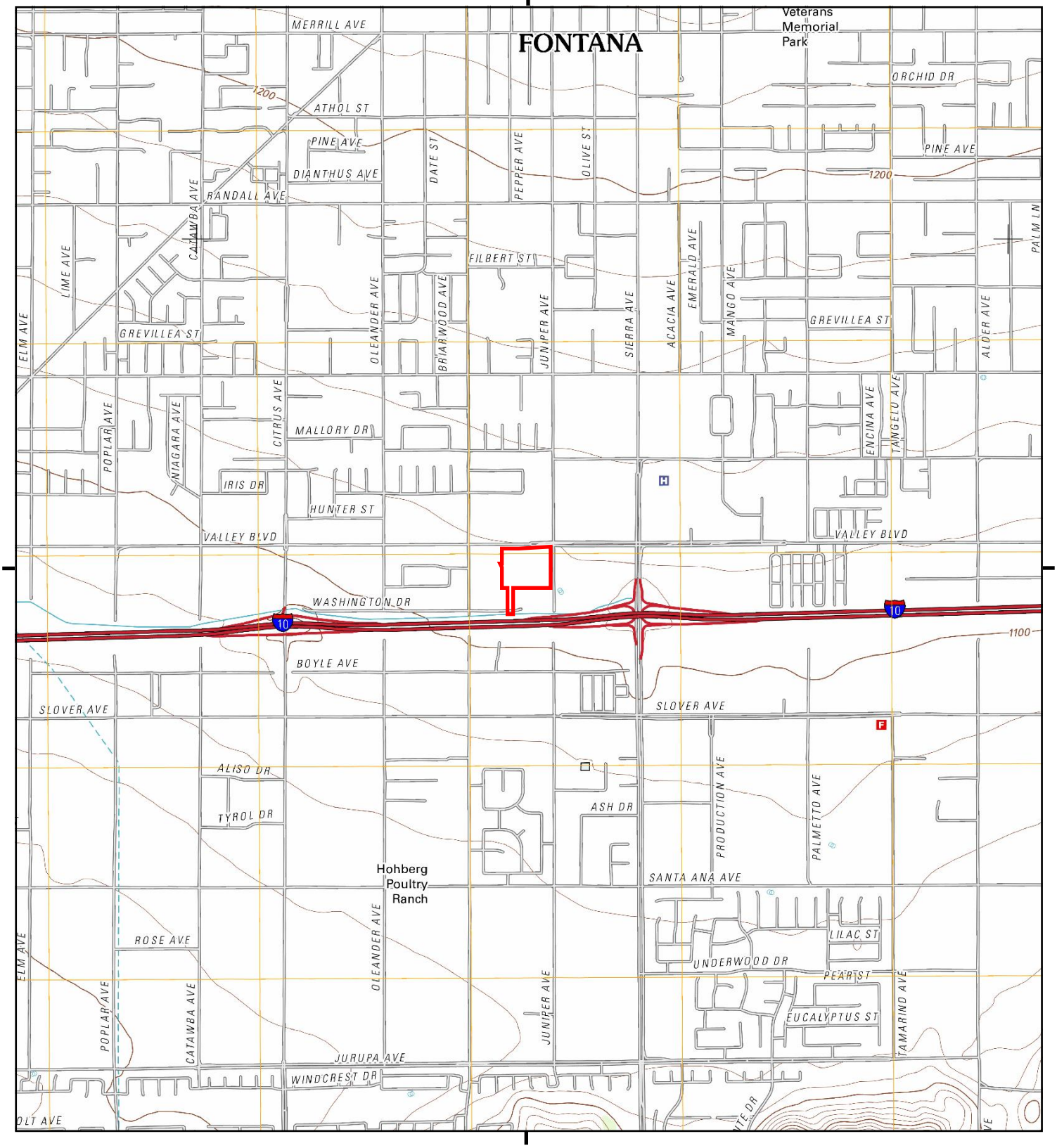
TP, Fontana, 1980, 7.5-minute

SITE NAME: Proposed Jefferson Fontana Mixed-Use F
ADDRESS: SW of The Intersection Juniper Ave and \
Fontana, CA 92335
CLIENT: Leighton and Associates, Inc.

N

Historical Topo Map

2012



This report includes information from the following map sheet(s).

0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

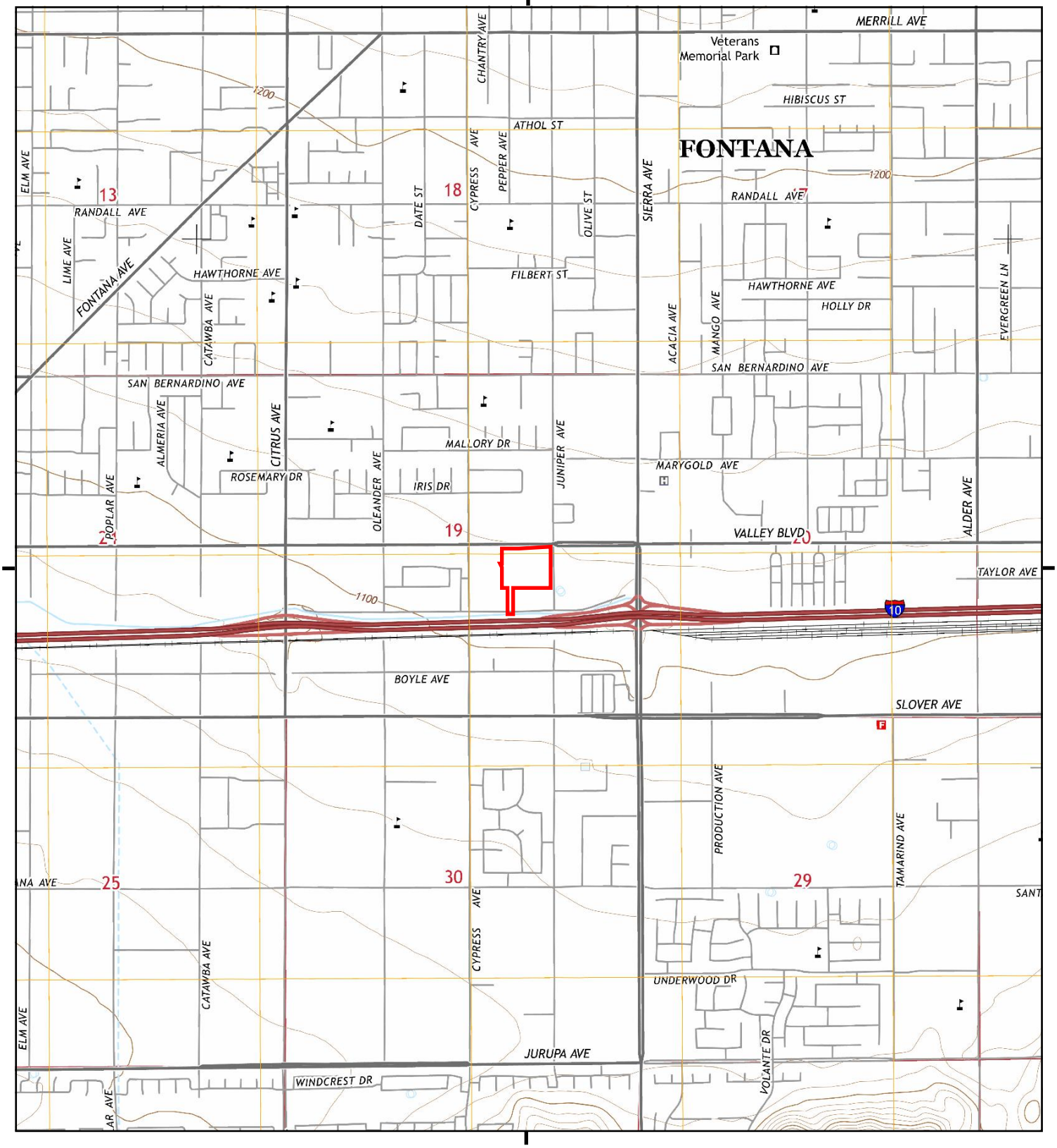
TP, Fontana, 2012, 7.5-minute

SITE NAME: Proposed Jefferson Fontana Mixed-Use F
ADDRESS: SW of The Intersection Juniper Ave and \
Fontana, CA 92335
CLIENT: Leighton and Associates, Inc.

N

Historical Topo Map

2015



This report includes information from the following map sheet(s).

0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

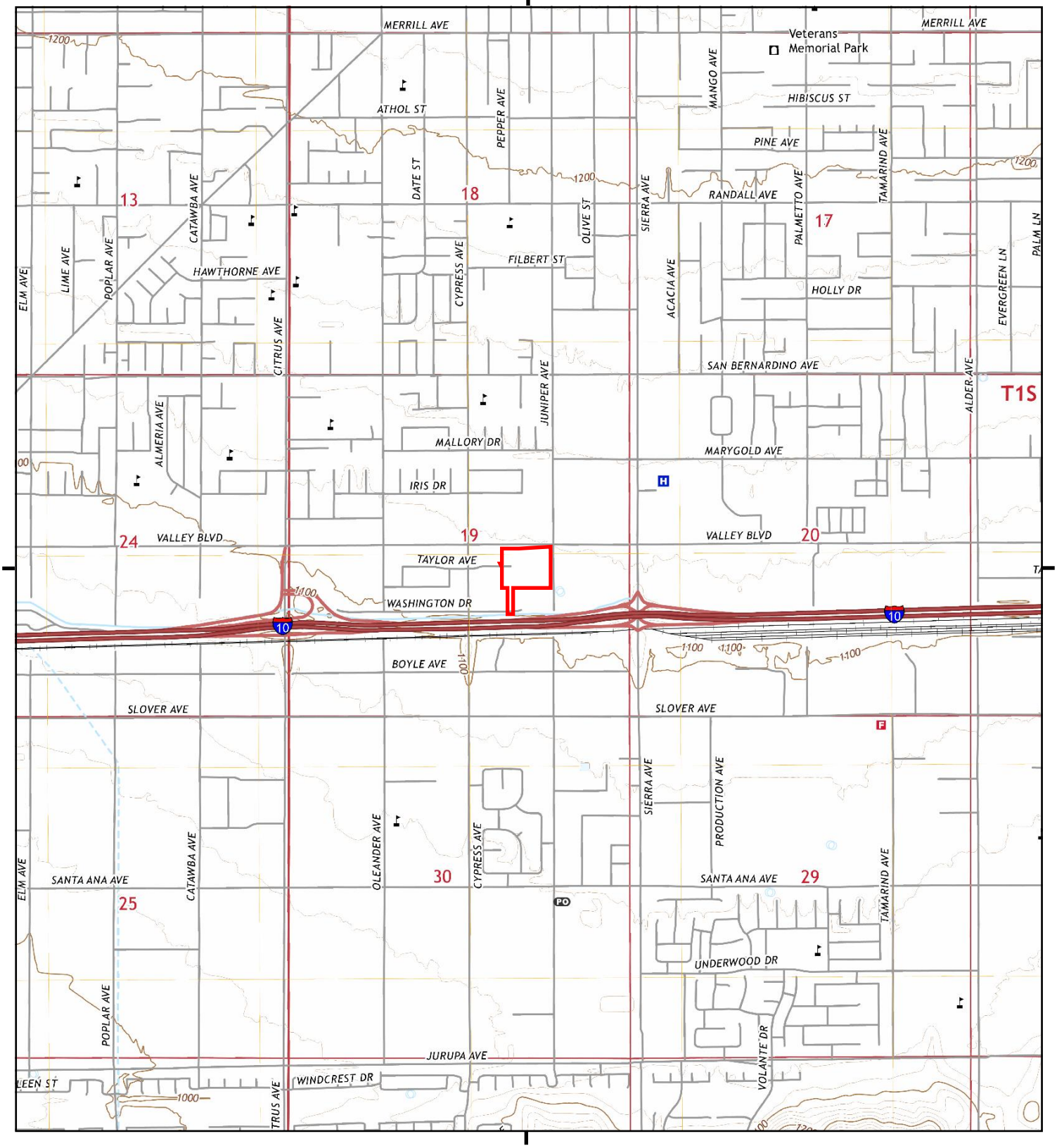
TP, Fontana, 2015, 7.5-minute

SITE NAME: Proposed Jefferson Fontana Mixed-Use F
ADDRESS: SW of The Intersection Juniper Ave and \
Fontana, CA 92335
CLIENT: Leighton and Associates, Inc.

N

Historical Topo Map

2018



This report includes information from the following map sheet(s).

0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

TP, Fontana, 2018, 7.5-minute

SITE NAME: Proposed Jefferson Fontana Mixed-Use F
ADDRESS: SW of The Intersection Juniper Ave and \
Fontana, CA 92335
CLIENT: Leighton and Associates, Inc.

N

Proposed Jefferson Fontana Mixed-Use Residential

SW of The Intersection Juniper Ave and Valley Blvd

Fontana, CA 92335

Inquiry Number: 7009041.8

June 07, 2022

The EDR Aerial Photo Decade Package

6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

EDR Aerial Photo Decade Package

06/07/22

Site Name:

Proposed Jefferson Fontana M
SW of The Intersection Juniper
Fontana, CA 92335
EDR Inquiry # 7009041.8

Client Name:

Leighton and Associates, Inc.
17781 Cowan
Irvine, CA 92614
Contact: Tracy Roberts

Environmental Data Resources, Inc. (EDR) Aerial Photo Decade Package is a screening tool designed to assist environmental professionals in evaluating potential liability on a target property resulting from past activities. EDR's professional researchers provide digitally reproduced historical aerial photographs, and when available, provide one photo per decade.

Search Results:

Year	*Scale*	*Details*	*Source*
2016	1"=500'	Flight Year: 2016	USDA/NAIP
2012	1"=500'	Flight Year: 2012	USDA/NAIP
2009	1"=500'	Flight Year: 2009	USDA/NAIP
2006	1"=500'	Flight Year: 2006	USDA/NAIP
2002	1"=500'	Acquisition Date: January 01, 2002	USGS/DOQQ
1994	1"=500'	Acquisition Date: January 01, 1994	USGS/DOQQ
1990	1"=500'	Flight Date: September 06, 1990	USDA
1985	1"=500'	Flight Date: September 13, 1985	USDA
1975	1"=500'	Flight Date: December 01, 1975	USGS
1966	1"=500'	Flight Date: April 16, 1966	USGS
1959	1"=500'	Flight Date: October 15, 1959	USDA
1953	1"=500'	Flight Date: January 31, 1953	USDA
1948	1"=500'	Flight Date: July 10, 1948	USGS
1938	1"=500'	Flight Date: May 27, 1938	USDA

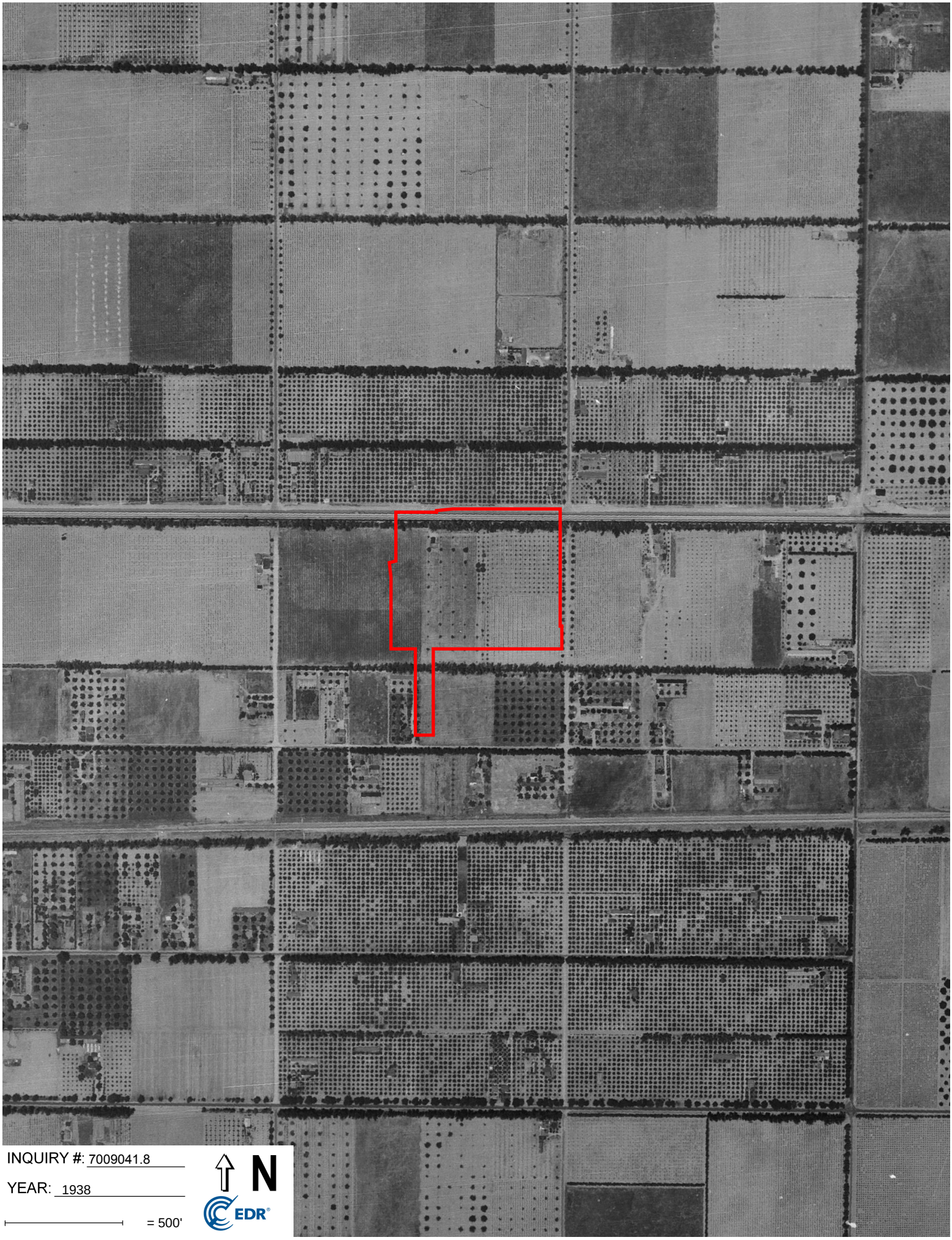
When delivered electronically by EDR, the aerial photo images included with this report are for ONE TIME USE ONLY. Further reproduction of these aerial photo images is prohibited without permission from EDR. For more information contact your EDR Account Executive.

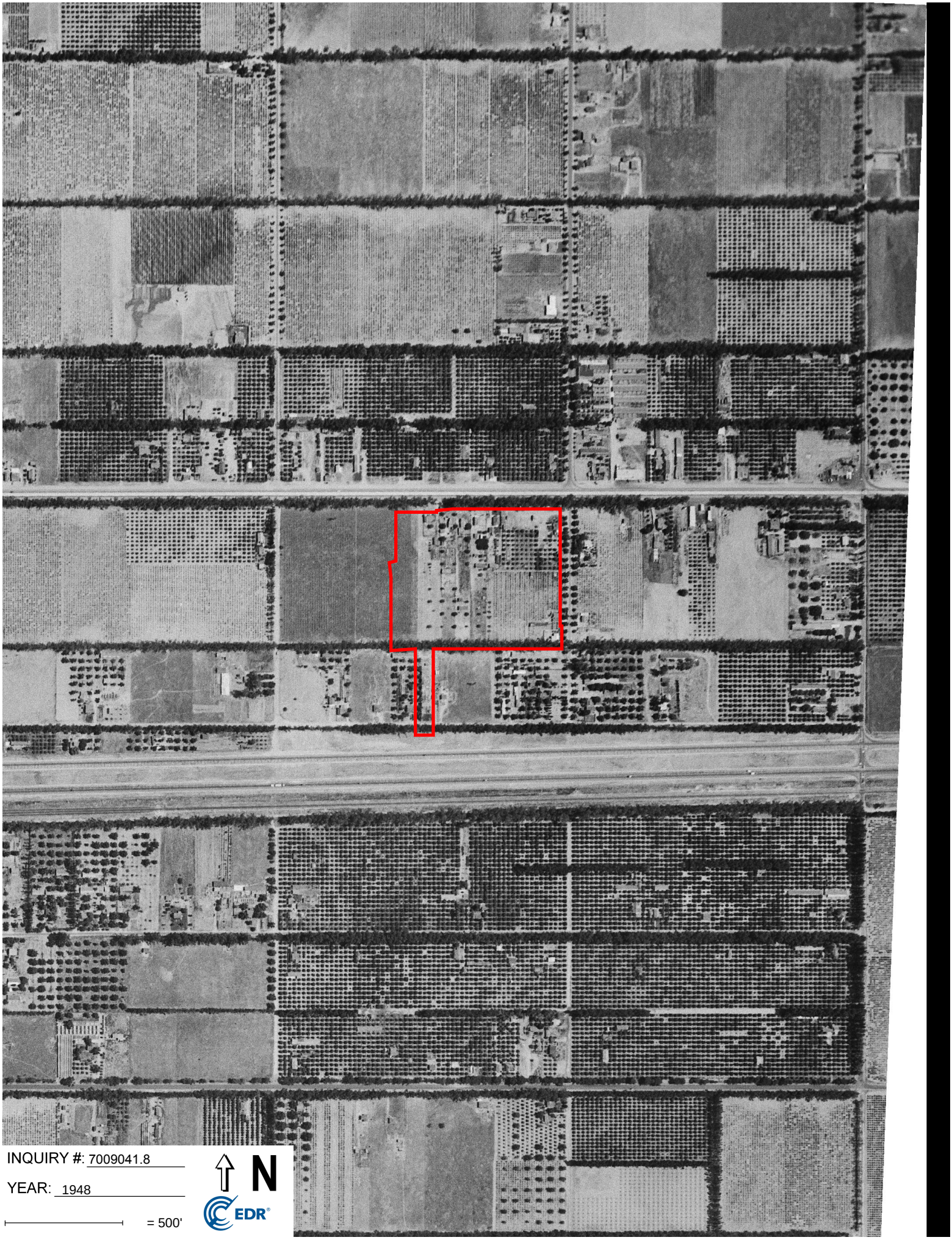
Disclaimer - Copyright and Trademark Notice

This Report contains certain information obtained from a variety of public and other sources reasonably available to Environmental Data Resources, Inc. It cannot be concluded from this Report that coverage information for the target and surrounding properties does not exist from other sources. NO WARRANTY EXPRESSED OR IMPLIED, IS MADE WHATSOEVER IN CONNECTION WITH THIS REPORT. ENVIRONMENTAL DATA RESOURCES, INC. SPECIFICALLY DISCLAIMS THE MAKING OF ANY SUCH WARRANTIES, INCLUDING WITHOUT LIMITATION, MERCHANTABILITY OR FITNESS FOR A PARTICULAR USE OR PURPOSE. ALL RISK IS ASSUMED BY THE USER. IN NO EVENT SHALL ENVIRONMENTAL DATA RESOURCES, INC. BE LIABLE TO ANYONE, WHETHER ARISING OUT OF ERRORS OR OMISSIONS, NEGLIGENCE, ACCIDENT OR ANY OTHER CAUSE, FOR ANY LOSS OF DAMAGE, INCLUDING, WITHOUT LIMITATION, SPECIAL, INCIDENTAL, CONSEQUENTIAL, OR EXEMPLARY DAMAGES. ANY LIABILITY ON THE PART OF ENVIRONMENTAL DATA RESOURCES, INC. IS STRICTLY LIMITED TO A REFUND OF THE AMOUNT PAID FOR THIS REPORT. Purchaser accepts this Report "AS IS". Any analyses, estimates, ratings, environmental risk levels or risk codes provided in this Report are provided for illustrative purposes only, and are not intended to provide, nor should they be interpreted as providing any facts regarding, or prediction or forecast of, any environmental risk for any property. Only a Phase I Environmental Site Assessment performed by an environmental professional can provide information regarding the environmental risk for any property. Additionally, the information provided in this Report is not to be construed as legal advice.

Copyright 2022 by Environmental Data Resources, Inc. All rights reserved. Reproduction in any media or format, in whole or in part, of any report or map of Environmental Data Resources, Inc., or its affiliates, is prohibited without prior written permission.

EDR and its logos (including Sanborn and Sanborn Map) are trademarks of Environmental Data Resources, Inc. or its affiliates. All other trademarks used herein are the property of their respective owners.


INQUIRY #: 7009041.8
YEAR: 1938
= 500'
N
EDR



INQUIRY #: 7009041.8

YEAR: 1948

= 500'

N

EDR



INQUIRY #: 7009041.8

YEAR: 1953

= 500'

N

EDR


INQUIRY #: 7009041.8
YEAR: 1959
= 500'
N
EDR



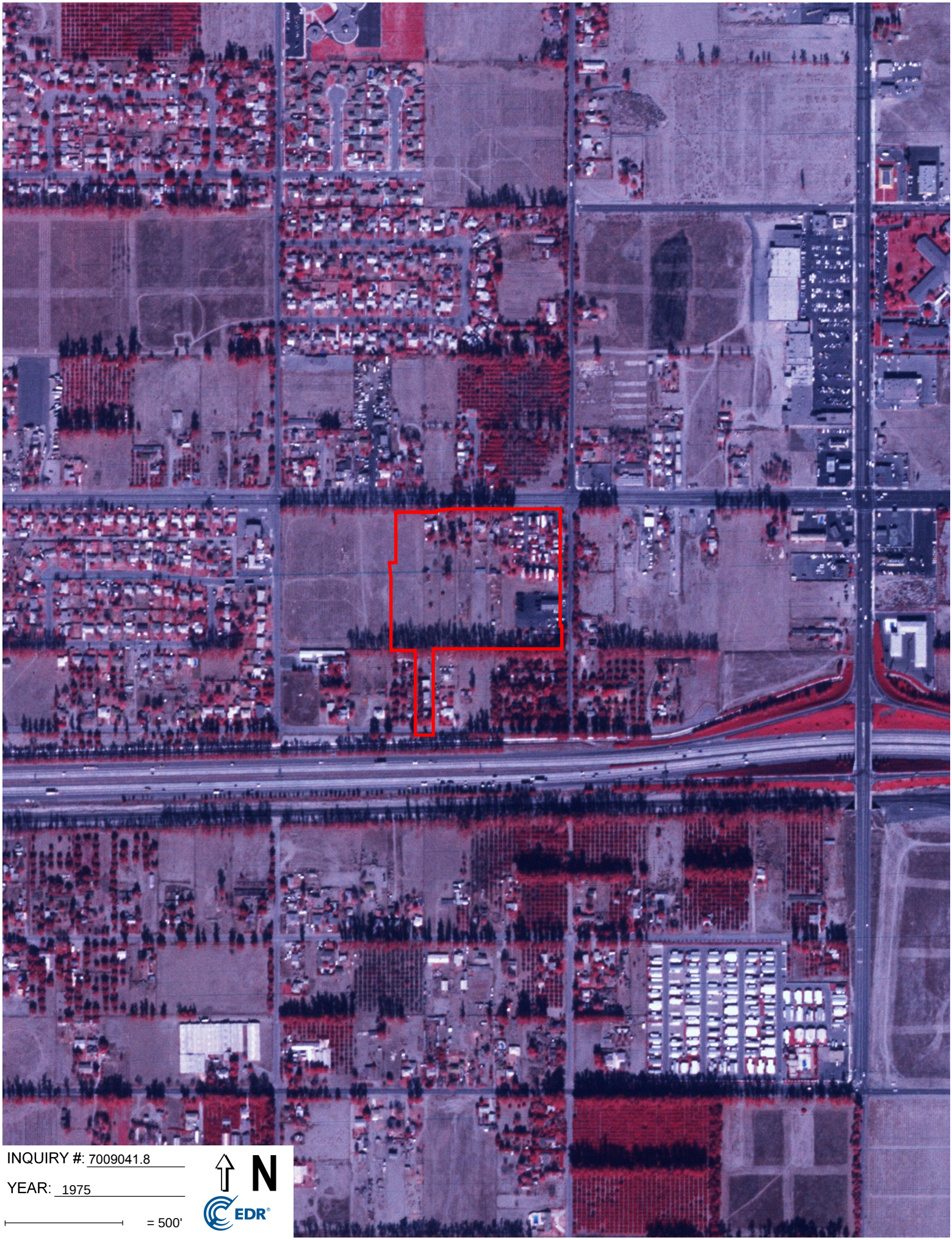
INQUIRY #: 7009041.8

YEAR: 1966

= 500'

N

EDR



INQUIRY #: 7009041.8

YEAR: 1975

= 500'

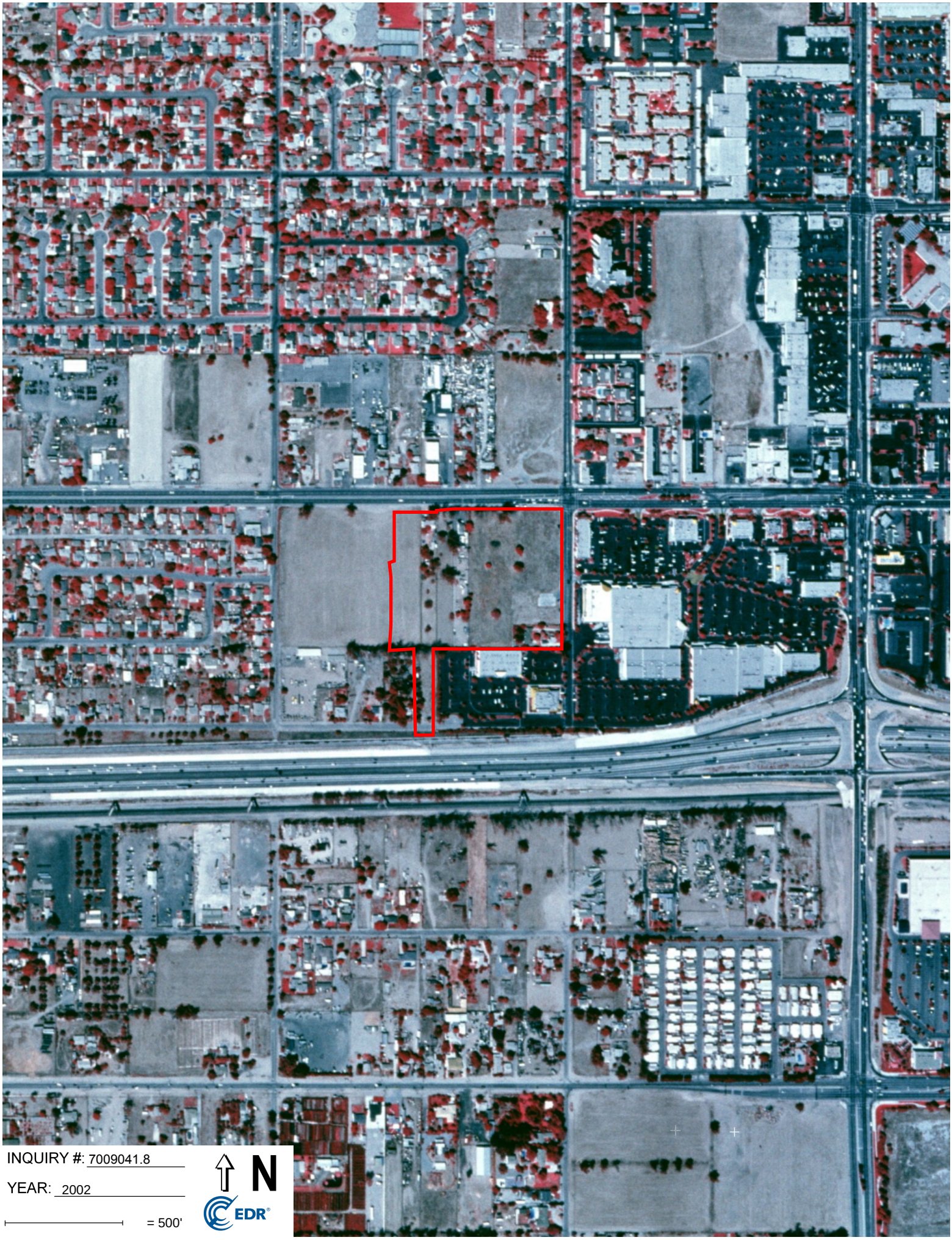
N

EDR


INQUIRY #: 7009041.8
YEAR: 1985
= 500'
N
EDR


INQUIRY #: 7009041.8
YEAR: 1990
= 500'
N
EDR


INQUIRY #: 7009041.8
YEAR: 1994
= 500'
N
EDR


INQUIRY #: 7009041.8
YEAR: 2002
= 500'
N
EDR


INQUIRY #: 7009041.8
YEAR: 2006
= 500'
N
EDR


INQUIRY #: 7009041.8
YEAR: 2009
= 500'
N
EDR


INQUIRY #: 7009041.8
YEAR: 2012
= 500'
N
EDR


INQUIRY #: 7009041.8
YEAR: 2016
= 500'
N
EDR

Proposed Jefferson Fontana Mixed-Use Residential

SW of The Intersection Juniper Ave and Valley Blvd

Fontana, CA 92335

Inquiry Number: 7009041.3

June 07, 2022

Certified Sanborn® Map Report

6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

Certified Sanborn® Map Report

06/07/22

Site Name:

Proposed Jefferson Fontana M
SW of The Intersection Juniper
Fontana, CA 92335
EDR Inquiry # 7009041.3

Client Name:

Leighton and Associates, Inc.
17781 Cowan
Irvine, CA 92614
Contact: Tracy Roberts

The Sanborn Library has been searched by EDR and maps covering the target property location as provided by Leighton and Associates, Inc. were identified for the years listed below. The Sanborn Library is the largest, most complete collection of fire insurance maps. The collection includes maps from Sanborn, Bromley, Perris & Browne, Hopkins, Barlow, and others. Only Environmental Data Resources Inc. (EDR) is authorized to grant rights for commercial reproduction of maps by the Sanborn Library LLC, the copyright holder for the collection. Results can be authenticated by visiting www.edrnet.com/sanborn.

The Sanborn Library is continually enhanced with newly identified map archives. This report accesses all maps in the collection as of the day this report was generated.

Certified Sanborn Results:

Certification # A968-4517-9B43

PO # 13584.001

Project 13584.001

UNMAPPED PROPERTY

This report certifies that the complete holdings of the Sanborn Library, LLC collection have been searched based on client supplied target property information, and fire insurance maps covering the target property were not found.

Sanborn® Library search results

Certification #: A968-4517-9B43

The Sanborn Library includes more than 1.2 million fire insurance maps from Sanborn, Bromley, Perris & Browne, Hopkins, Barlow and others which track historical property usage in approximately 12,000 American cities and towns. Collections searched:

- ☑ Library of Congress
- ☑ University Publications of America
- ☑ EDR Private Collection

The Sanborn Library LLC Since 1866™

Limited Permission To Make Copies

Leighton and Associates, Inc. (the client) is permitted to make up to FIVE photocopies of this Sanborn Map transmittal and each fire insurance map accompanying this report solely for the limited use of its customer. No one other than the client is authorized to make copies. Upon request made directly to an EDR Account Executive, the client may be permitted to make a limited number of additional photocopies. This permission is conditioned upon compliance by the client, its customer and their agents with EDR's copyright policy; a copy of which is available upon request.

Disclaimer - Copyright and Trademark Notice

This Report contains certain information obtained from a variety of public and other sources reasonably available to Environmental Data Resources, Inc. It cannot be concluded from this Report that coverage information for the target and surrounding properties does not exist from other sources. NO WARRANTY EXPRESSED OR IMPLIED, IS MADE WHATSOEVER IN CONNECTION WITH THIS REPORT. ENVIRONMENTAL DATA RESOURCES, INC. SPECIFICALLY DISCLAIMS THE MAKING OF ANY SUCH WARRANTIES, INCLUDING WITHOUT LIMITATION, MERCHANTABILITY OR FITNESS FOR A PARTICULAR USE OR PURPOSE. ALL RISK IS ASSUMED BY THE USER. IN NO EVENT SHALL ENVIRONMENTAL DATA RESOURCES, INC. BE LIABLE TO ANYONE, WHETHER ARISING OUT OF ERRORS OR OMISSIONS, NEGLIGENCE, ACCIDENT OR ANY OTHER CAUSE, FOR ANY LOSS OF DAMAGE, INCLUDING, WITHOUT LIMITATION, SPECIAL, INCIDENTAL, CONSEQUENTIAL, OR EXEMPLARY DAMAGES. ANY LIABILITY ON THE PART OF ENVIRONMENTAL DATA RESOURCES, INC. IS STRICTLY LIMITED TO A REFUND OF THE AMOUNT PAID FOR THIS REPORT. Purchaser accepts this Report "AS IS". Any analyses, estimates, ratings, environmental risk levels or risk codes provided in this Report are provided for illustrative purposes only, and are not intended to provide, nor should they be interpreted as providing any facts regarding, or prediction or forecast of, any environmental risk for any property. Only a Phase I Environmental Site Assessment performed by an environmental professional can provide information regarding the environmental risk for any property. Additionally, the information provided in this Report is not to be construed as legal advice.

Copyright 2022 by Environmental Data Resources, Inc. All rights reserved. Reproduction in any media or format, in whole or in part, of any report or map of Environmental Data Resources, Inc., or its affiliates, is prohibited without prior written permission.

EDR and its logos (including Sanborn and Sanborn Map) are trademarks of Environmental Data Resources, Inc. or its affiliates. All other trademarks used herein are the property of their respective owners.

Proposed Jefferson Fontana Mixed-Use Residential
SW of The Intersection Juniper Ave and Valley Blvd
Fontana, CA 92335

Inquiry Number: 7009041.5
June 07, 2022

The EDR-City Directory Abstract

EDR® Environmental Data Resources Inc

6 Armstrong Road
Shelton, CT 06484
800.352.0050
www.edrnet.com

TABLE OF CONTENTS

SECTION

Executive Summary

Findings

City Directory Images

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

Disclaimer - Copyright and Trademark Notice

This Report contains certain information obtained from a variety of public and other sources reasonably available to Environmental Data Resources, Inc. It cannot be concluded from this Report that coverage information for the target and surrounding properties does not exist from other sources. **NO WARRANTY EXPRESSED OR IMPLIED, IS MADE WHATSOEVER IN CONNECTION WITH THIS REPORT. ENVIRONMENTAL DATA RESOURCES, INC. SPECIFICALLY DISCLAIMS THE MAKING OF ANY SUCH WARRANTIES, INCLUDING WITHOUT LIMITATION, MERCHANTABILITY OR FITNESS FOR A PARTICULAR USE OR PURPOSE. ALL RISK IS ASSUMED BY THE USER. IN NO EVENT SHALL ENVIRONMENTAL DATA RESOURCES, INC. BE LIABLE TO ANYONE, WHETHER ARISING OUT OF ERRORS OR OMISSIONS, NEGLIGENCE, ACCIDENT OR ANY OTHER CAUSE, FOR ANY LOSS OR DAMAGE, INCLUDING, WITHOUT LIMITATION, SPECIAL, INCIDENTAL, CONSEQUENTIAL, OR EXEMPLARY DAMAGES. ANY LIABILITY ON THE PART OF ENVIRONMENTAL DATA RESOURCES, INC. IS STRICTLY LIMITED TO A REFUND OF THE AMOUNT PAID FOR THIS REPORT.** Purchaser accepts this Report "AS IS". Any analyses, estimates, ratings, environmental risk levels or risk codes provided in this Report are provided for illustrative purposes only, and are not intended to provide, nor should they be interpreted as providing any facts regarding, or prediction orforecast of, any environmental risk for any property. Only a Phase I Environmental Site Assessment performed by an environmental professional can provide information regarding the environmental risk for any property. Additionally, the information provided in this Report is not to be construed as legal advice.

Copyright 2020 by Environmental Data Resources, Inc. All rights reserved. Reproduction in any media or format, in whole or in part, of any report or map of Environmental Data Resources, Inc. or its affiliates is prohibited without prior written permission.

EDR and its logos (including Sanborn and Sanborn Map) are trademarks of Environmental Data Resources, Inc. or its affiliates. All other trademarks used herein are the property of their respective owners.

EXECUTIVE SUMMARY

DESCRIPTION

Environmental Data Resources, Inc.'s (EDR) City Directory Abstract is a screening tool designed to assist environmental professionals in evaluating potential liability on a target property resulting from past activities. EDR's City Directory Abstract includes a search and abstract of available city directory data. For each address, the directory lists the name of the corresponding occupant at five year intervals.

Business directories including city, cross reference and telephone directories were reviewed, if available, at approximately five year intervals for the years spanning 1922 through 2017. This report compiles information gathered in this review by geocoding the latitude and longitude of properties identified and gathering information about properties within 660 feet of the target property.

A summary of the information obtained is provided in the text of this report.

RECORD SOURCES

EDR's Digital Archive combines historical directory listings from sources such as Cole Information and Dun & Bradstreet. These standard sources of property information complement and enhance each other to provide a more comprehensive report.

EDR is licensed to reproduce certain City Directory works by the copyright holders of those works. The purchaser of this EDR City Directory Report may include it in report(s) delivered to a customer. Reproduction of City Directories without permission of the publisher or licensed vendor may be a violation of copyright.

Data by
infoUSA®
Copyright©2008
All Rights Reserved

RESEARCH SUMMARY

The following research sources were consulted in the preparation of this report. An "X" indicates where information was identified in the source and provided in this report.

Year	Source	TP	Adjoining	Text Abstract	Source Image
2017	Cole Information Services	-	X	X	-
2014	Cole Information Services	-	X	X	-
2009	Cole Information Services	-	X	X	-
2008	Haines Company, Inc.	-	X	X	-
2004	Cole Information Services	-	X	X	-
2003	Haines & Co Publishers	-	X	X	-
2002	SBC PACIFIC BELL	-	X	X	-
1999	Cole Information Services	-	X	X	-
1996	Pacific Bell	-	X	X	-
1995	GTE Directories	-	-	-	-

EXECUTIVE SUMMARY

Year	Source	TP	Adjoining	Text Abstract	Source Image
1994	Cole Information Services	-	X	X	-
1991	GTE California Incorporated	-	X	X	-
1990	Pacific Bell	-	X	X	-
1985	GTE	-	-	-	-
1981	General Telephone Company of California	-	-	-	-
1980	GTE	-	-	-	-
1975	Pacific Telephone Co	-	X	X	-
1970	General Telephone Company of California	-	X	X	-
1965	Luskey Brothers & Co	-	X	X	-
1964	Luskey Brothers & Co	-	-	-	-
1961	Luskey Brothers& Co Publishers	-	-	-	-
1960	Luskey Brothers & Co Publishers	-	X	X	-
1956	General Telephone Company Publishers	-	-	-	-
1955	The Pacific Telephone and Telegraph Co	-	X	X	-
1951	Los Angeles Directory Co Publishers	-	-	-	-
1950	The Pacific Telephone and Telegraph Co	-	-	-	-
1949	San Bernardino Directory Co. Publishers	-	-	-	-
1946	Los Angeles Directory Company Publishers	-	-	-	-
1945	Southern Califronia Telephone Company	-	-	-	-
1942	San Bernardino Directory Co Publisher	-	-	-	-
1941	Associated Telephone Company Limited	-	-	-	-
1940	Los Angeles Directory Co.	-	-	-	-
1938	Los Angeles Directory Co.	-	-	-	-
1936	San Bernardino Directory Co Publisher	-	-	-	-
1934	Los Angeles Directory Co.	-	-	-	-
1931	Los Angeles Directory Co.	-	-	-	-
1930	San Bernardino Directory Co Publisher	-	-	-	-
1926	Los Angeles Directory Co.	-	-	-	-
1923	Los Angeles Directory Company	-	-	-	-
1922	R.L. Polk & Co Publishers	-	-	-	-

EXECUTIVE SUMMARY

SELECTED ADDRESSES

The following addresses were selected by the client, for EDR to research. An "X" indicates where information was identified.

Address	*Type*	*Findings*
Valley Blvd	Client Entered	

FINDINGS

TARGET PROPERTY INFORMATION

ADDRESS

SW of The Intersection Juniper Ave and Valley Blvd
Fontana, CA 92335

FINDINGS DETAIL

Target Property research detail.

FINDINGS

ADJOINING PROPERTY DETAIL

The following Adjoining Property addresses were researched for this report. Detailed findings are provided for each address.

16718 VALLEY

2 16718 VALLEY

Year	Uses	Source
1970	Lazios Liquors	General Telephone Company of California
	Store No	General Telephone Company of California

JUNIPER

10102 JUNIPER

Year	Uses	Source
1975	Copple E	Pacific Telephone Co

10120 JUNIPER

Year	Uses	Source
1975	Lew is LT	Pacific Telephone Co
	Gorgei A J	Pacific Telephone Co
	Esterhay M E	Pacific Telephone Co
	El Encanto Trailer Park	Pacific Telephone Co
	Britton G H	Pacific Telephone Co
	Mc Caslin Eva Mrs	Pacific Telephone Co
	Abbott W C	Pacific Telephone Co
	Bachman Roger	Pacific Telephone Co
	Easley Ruby	Pacific Telephone Co
1965	Van Winkle Le Roy Evelyn Rips Serv Sta h	Luskey Brothers & Co
1955	Lucas Frank X	The Pacific Telephone and Telegraph Co

10131 JUNIPER

Year	Uses	Source
1955	Placidi Antonio	The Pacific Telephone and Telegraph Co

FINDINGS

10172 JUNIPER

Year	Uses	Source
1975	SPARKLETTS DRINKING WATER CORP Regional Sales Office & Warehouse	Pacific Telephone Co

10181 JUNIPER

Year	Uses	Source
1955	Stew art Richard H	The Pacific Telephone and Telegraph Co

10190 JUNIPER

Year	Uses	Source
1975	Vasquez Eddie G	Pacific Telephone Co

10195 JUNIPER

Year	Uses	Source
1955	Sheldrake G E	The Pacific Telephone and Telegraph Co

JUNIPER AS

10190 JUNIPER AS

Year	Uses	Source
1991	Vasquez Eddie G	GTE California Incorporated

JUNIPER AVE

10069 JUNIPER AVE

Year	Uses	Source
2017	ELVIA RIVAS	Cole Information Services
2009	K TAIRUA	Cole Information Services
2008	TAIRUA K	Haines Company, Inc.
	SIERRA Pete	Haines Company, Inc.
2004	PETE SIERRA	Cole Information Services
2003	SIERRA Peta	Haines & Co Publishers
1999	K TAIRUA	Cole Information Services
1965	Sierra Julia r	Luskey Brothers & Co
	Sierra Pete V Jr h	Luskey Brothers & Co

FINDINGS

10120 JUNIPER AVE

Year	Uses	Source
1965	El Encanto Trailer Park	Luskey Brothers & Co
	Murphy James E Velma mech Turners Inc Ont h	Luskey Brothers & Co
	Stayton William L Genevievemgr El l Encanto Trir Ct h	Luskey Brothers & Co
	Harrison Eliz Mrs ret h	Luskey Brothers & Co
	Mc Caslin Eva Mrs ret h	Luskey Brothers & Co
	Montgomery Robert Florenceret h	Luskey Brothers & Co

10131 JUNIPER AVE

Year	Uses	Source
2003	XXXX	Haines & Co Publishers
1965	Placidi Antonio h	Luskey Brothers & Co

10138 JUNIPER AVE

Year	Uses	Source
1965	Matteson Ted R Graceret h	Luskey Brothers & Co

10172 JUNIPER AVE

Year	Uses	Source
1990	RONS BUILDING MATERIALS	Pacific Bell
1965	Sparkletts Drinking Water Corp	Luskey Brothers & Co

10181 JUNIPER AVE

Year	Uses	Source
1965	Stew art Richard H Jean emp Norton AFB Sn B h	Luskey Brothers & Co

10182 JUNIPER AVE

Year	Uses	Source
1965	Payne JV h	Luskey Brothers & Co

10190 JUNIPER AVE

Year	Uses	Source
2004	EDDIE VASQUEZ	Cole Information Services
2003	VASQUEZ Eddie G	Haines & Co Publishers

FINDINGS

Year	Uses	Source
2002	Vasquez Eddie G	SBC PACIFIC BELL
1996	Vasquez Eddie G	Pacific Bell
1994	VASQUEZ, EDDIE G	Cole Information Services
1990	Vasquez Eddie G	Pacific Bell
1965	Vasquez Eddie G h	Luskey Brothers & Co

10195 JUNIPER AVE

Year	Uses	Source
2003	XXXX	Haines & Co Publishers
1965	Sheldrake GE Mabe D ret h	Luskey Brothers & Co

10196 JUNIPER AVE

Year	Uses	Source
2004	CONNIE ALAMIEDA	Cole Information Services
2002	Vasquez	SBC PACIFIC BELL
1965	Serna Virginia Mrs h	Luskey Brothers & Co

10200 JUNIPER AVE

Year	Uses	Source
2017	24 HOUR FITNESS	Cole Information Services
2009	24 HOUR FITNESS USA INC	Cole Information Services
2008	24 HOUR FITNESS	Haines Company, Inc.
2004	OCCUPANT UNKNOWN	Cole Information Services
	24 HOUR FITNESS	Cole Information Services
2003	24 HOUR FITNESS	Haines & Co Publishers
2002	24 HOUR FITNESS	SBC PACIFIC BELL
1999	24 HOUR FITNESS	Cole Information Services
1996	ENERGY STOP JUICE BAR	Pacific Bell
	FAMILY FITNESS CENTERS	Pacific Bell
1994	FAMILY FITNESS CTR	Cole Information Services
	MIND & BODY INTL	Cole Information Services

10210 JUNIPER AVE

Year	Uses	Source
2017	PANCHO VILLAS III	Cole Information Services

FINDINGS

Year	Uses	Source
2017	PANCHO VILLAS RESTAURANT	Cole Information Services
2014	PANCHO VILLAS III	Cole Information Services
2009	PANCHO VILLAS RESTAURANT	Cole Information Services
2004	VILLAS PANCHO	Cole Information Services
1999	COUNTRY HARVEST BUFFET	Cole Information Services

10420 JUNIPER AVE

Year	Uses	Source
2017	EARL TURNER	Cole Information Services
2014	EARL TURNER	Cole Information Services
2009	L TURNER	Cole Information Services
	SARAH MACLIZ	Cole Information Services
2004	L FLORENCE	Cole Information Services
1999	SARAH MACLIZ	Cole Information Services
	L TURNER	Cole Information Services
1994	ELLIS, LYTLE	Cole Information Services

10437 JUNIPER AVE

Year	Uses	Source
2017	ERMILA DELREAL	Cole Information Services
2014	RAFAEL DELREAL	Cole Information Services
2009	OCCUPANT UNKNOWN	Cole Information Services
2004	REAL DEL	Cole Information Services
1994	MACBROHN, THERESA	Cole Information Services

10462 JUNIPER AVE

Year	Uses	Source
2017	FABIOLA PEREZ	Cole Information Services
2014	CYNTHIA HERRERA	Cole Information Services
	GUILLERMINA ESTEVEZ	Cole Information Services
	SIMON MELCHOR	Cole Information Services
2009	CYNTHIA HERRERA	Cole Information Services
	HERIBERTO DUARTE	Cole Information Services
	M GOMEZ	Cole Information Services

FINDINGS

Year	Uses	Source
2009	GUILLERMINA ESTEVEZ	Cole Information Services
	JESUS NIETO	Cole Information Services
2004	MARIA GARCIA	Cole Information Services
	OSCAR OBANDO	Cole Information Services
1999	M GOMEZ	Cole Information Services
	OCCUPANT UNKNOWN	Cole Information Services
	HERIBERTO DUARTE	Cole Information Services
	GUILLERMINA ESTEVEZ	Cole Information Services
	JESUS NIETO	Cole Information Services
	CYNTHIA HERRERA	Cole Information Services

10512 JUNIPER AVE

Year	Uses	Source
2017	JESSE PAGE	Cole Information Services
2014	OCCUPANT UNKNOWN	Cole Information Services
	JESSE PAGE	Cole Information Services
2009	JESSE PAGE	Cole Information Services
	PAM VOLK	Cole Information Services
2004	PAM VOLK	Cole Information Services
	JESSE PAGE	Cole Information Services
1999	PAM VOLK	Cole Information Services
	JESSE PAGE	Cole Information Services
1994	PAGE, JESSE	Cole Information Services

10536 JUNIPER AVE

Year	Uses	Source
2017	LEONCIO CULLINGFORD	Cole Information Services
2014	LEONCIO CULLINGFORD	Cole Information Services
2009	LEONCIO CULLINGFORD	Cole Information Services
2004	LEONCIO CULLINGFORD	Cole Information Services
1999	LEONCIO CULLINGFORD	Cole Information Services
1994	CULLINGFORD, LEONCIO	Cole Information Services

FINDINGS

JUNIPERO

10196 JUNIPERO

Year	Uses	Source
1970	Solano Alfred	General Telephone Company of California
	Solano Connie	General Telephone Company of California

JUNIPERO TRL

10100 JUNIPERO TRL

Year	Uses	Source
1970	Cooper L	General Telephone Company of California

10120 JUNIPERO TRL

Year	Uses	Source
1970	Abbott W C	General Telephone Company of California
	Boyd R C	General Telephone Company of California
	Emmett Pauline	General Telephone Company of California
	Gorgei AJ	General Telephone Company of California
	Toth Andrew	General Telephone Company of California
	Manley Lester A	General Telephone Company of California
	Sutton Myron	General Telephone Company of California

10131 JUNIPERO TRL

Year	Uses	Source
1970	Placidi Antonio	General Telephone Company of California

10190 JUNIPERO TRL

Year	Uses	Source
1970	Vasquez Eddie G	General Telephone Company of California

10195 JUNIPERO TRL

Year	Uses	Source
1970	Sheldrake Mabel L	General Telephone Company of California

FINDINGS

VALEY

16649 VA LEY

Year	Uses	Source
1970	Walley Cleo	General Telephone Company of California

VALIY

16628 VALIY

Year	Uses	Source
1970	Weber Law rence	General Telephone Company of California

VALLEY

16556 VALLEY

Year	Uses	Source
1975	Frandson Auto Electric	Pacific Telephone Co
	BILL KEIRNS SERVICE	Pacific Telephone Co
	Keirns Bill L	Pacific Telephone Co
	Keirns Bill Service	Pacific Telephone Co
	Valley Tow ing	Pacific Telephone Co
1970	Blvd LL KEIRNS SERV	General Telephone Company of California
	Keirns Bill L	General Telephone Company of California
	Keirns Bi l Service	General Telephone Company of California
1955	Humpert Frank	The Pacific Telephone and Telegraph Co

16574 VALLEY

Year	Uses	Source
1975	Menkhaus Carl M	Pacific Telephone Co
1970	Menkhaus Carl M	General Telephone Company of California

16594 VALLEY

Year	Uses	Source
1975	Pease Carl R	Pacific Telephone Co
1970	Gibson Clyde F	General Telephone Company of California
1955	Raw ls R R	The Pacific Telephone and Telegraph Co

FINDINGS

16605 VALLEY

Year	Uses	Source
1955	Bledsoe Luther A	The Pacific Telephone and Telegraph Co

16617 VALLEY

Year	Uses	Source
1955	Foote Louis	The Pacific Telephone and Telegraph Co

16628 VALLEY

Year	Uses	Source
1975	Weber Law rence	Pacific Telephone Co

16637 VALLEY

Year	Uses	Source
1975	Luttringer Nancy	Pacific Telephone Co
	Luttringer Edw J	Pacific Telephone Co
1970	Luttringer Edw J	General Telephone Company of California
1955	Luttringer Edw J	The Pacific Telephone and Telegraph Co

16648 VALLEY

Year	Uses	Source
1955	Lively Ed	The Pacific Telephone and Telegraph Co

16649 VALLEY

Year	Uses	Source
1975	Allen Lenora	Pacific Telephone Co
	Walley Cleo	Pacific Telephone Co
1970	Allen Lenora	General Telephone Company of California

16680 VALLEY

Year	Uses	Source
1955	Borgelt W W	The Pacific Telephone and Telegraph Co

16718 VALLEY

Year	Uses	Source
1975	Lazios Liquors	Pacific Telephone Co

FINDINGS

16737 VALLEY

Year	*Uses*	*Source*
1970	Van Zytveid Habe	General Telephone Company of California
1955	Van Zytveld J C	The Pacific Telephone and Telegraph Co

VALLEY BF

16594 VALLEY BF

Year	*Uses*	*Source*
1965	Hillard John L Janet mech h	Luskey Brothers & Co

VALLEY BI

16584 VALLEY BI

Year	*Uses*	*Source*
1965	Kaiser Steel h	Luskey Brothers & Co
	Baca William A Shirley emp Conditioning Yds	Luskey Brothers & Co

VALLEY BLVD

16546 VALLEY BLVD

Year	*Uses*	*Source*
2014	BARBARA WILSON	Cole Information Services
	FRED BISSELL	Cole Information Services
	MARY BURTON	Cole Information Services
2009	SAMANTHA GORDON	Cole Information Services
	CRYSTAL HOWARD	Cole Information Services
	BARBARA WILSON	Cole Information Services
	MARY BURTON	Cole Information Services
	NICOLE SCOTT	Cole Information Services
	CAROL BISSELL	Cole Information Services
	LEO DERY	Cole Information Services
2004	ROSANNE ROSARIO	Cole Information Services
	JESSE GRAHAM	Cole Information Services
	D & M AUTO CARE	Cole Information Services
	CRYSTAL HOWARD	Cole Information Services

FINDINGS

Year	Uses	Source
1999	C & M AUTO MECHANIC & ELECTRIC	Cole Information Services
	NICOLE SCOTT	Cole Information Services
	MARY BURTON	Cole Information Services
	CAROL BISSELL	Cole Information Services
	BARBARA WILSON	Cole Information Services
	CRYSTAL HOWARD	Cole Information Services
	LEO DERY	Cole Information Services
	SAMANTHA GORDON	Cole Information Services
1994	JOHNSON, MARK	Cole Information Services
	ZAMORANO, RUBER R	Cole Information Services

16556 VALLEY BLVD

Year	Uses	Source
2009	KIERNS BOB FRONT END SERVICE	Cole Information Services
	K CORONA TIRES	Cole Information Services
2008	K CORONA TIRE SHOPE	Haines Company, Inc.
	UPTERGROVE Sherrie	Haines Company, Inc.
2004	BOB KEIRNS FRONT END SERVICE	Cole Information Services
	ADAN HERNANDEZ	Cole Information Services
2003	BOB KEIRNS FRONT END SERVICE	Haines & Co Publishers
	HERNANDEZ Adan	Haines & Co Publishers
	KEIRNS Billy	Haines & Co Publishers
	KEIRNS BOB FRONT END SERVICE	Haines & Co Publishers
	VALENCIA Sherrie	Haines & Co Publishers
2002	A BOB KEIRNS FRONT END SERVICE	SBC PACIFIC BELL
1999	BOB KEIRNS FRONT END SERVICE	Cole Information Services
	KEIRNS FRONT END SERVICE	Cole Information Services
	OVERSTREET TRUCKING	Cole Information Services
	PEREZ TIRE SHOP	Cole Information Services
1996	BOB KEIRNS FRONT END SERVICE	Pacific Bell
	OVERSTREET TRUCKING	Pacific Bell
1994	BOB KEIRNS FRONT END SVC	Cole Information Services
1991	KEIRNS BILL SERVICE	GTE California Incorporated

FINDINGS

Year	Uses	Source
1991	KERNS BILL TOWING	GTE California Incorporated
	Ross L	GTE California Incorporated
1990	BOB KEIRNS FRONT END SERVICE	Pacific Bell
	Ross L	Pacific Bell
	KEIRNS BILL SERVICE	Pacific Bell
1965	Hipsley Eddie h	Luskey Brothers & Co
	HUMPERTS AUTO BODY NE&RM Humpert	Luskey Brothers & Co
	Keirns Bill Bill Keirns Serv	Luskey Brothers & Co
	KEIRNS BI LL SERVICE Bill Keirns	Luskey Brothers & Co
	Sample Johnny h	Luskey Brothers & Co
	Woods Jack W h	Luskey Brothers & Co

16566 VALLEY BLVD

Year	Uses	Source
2003	XXXX	Haines & Co Publishers

16574 VALLEY BLVD

Year	Uses	Source
2009	ALBERT MUNOZ	Cole Information Services
2008	DAVIS Linda	Haines Company, Inc.
2004	A MUNOZ	Cole Information Services
2003	MENKHAUS Carl M	Haines & Co Publishers
	DAVIS Linda	Haines & Co Publishers
1999	ALBERT MUNOZ	Cole Information Services
1994	MENKHAUS, CARL M	Cole Information Services
1990	Menkhaus Carl M	Pacific Bell
1965	Menkhaus Alberta M Mrs prsr Finemade Co Ont r	Luskey Brothers & Co
	Menkhaus Carl M Alberta mtce mech Kaiser Steel h	Luskey Brothers & Co

16584 VALLEY BLVD

Year	Uses	Source
2009	OCCUPANT UNKNOWN	Cole Information Services
2008	RODAS Santos	Haines Company, Inc.

FINDINGS

Year	Uses	Source
2004	TIMOTHY WELCH	Cole Information Services
2003	XXXX	Haines & Co Publishers
1990	Kupecz Ken	Pacific Bell
1965	Heholt David R Judith sheaman Kaiser Steel	Luskey Brothers & Co

16594 VALLEY BLVD

Year	Uses	Source
2014	LINDSEY DICK	Cole Information Services
2009	CELESTINE THOMAS	Cole Information Services
	OCCUPANT UNKNOWN	Cole Information Services
2008	RODAS Jose	Haines Company, Inc.
	RIVERA David	Haines Company, Inc.
2004	VICTOR RIVERA	Cole Information Services
	ERIC BLISS	Cole Information Services
2003	RHYNARD Alvin	Haines & Co Publishers
	BLISS Eric	Haines & Co Publishers
2002	Bliss Eric	SBC PACIFIC BELL
1999	CELESTINE THOMAS	Cole Information Services
1991	Pease Evelyn M	GTE California Incorporated
1990	Pease Evelyn M	Pacific Bell
1965	Rawls Robt R Martha ret h	Luskey Brothers & Co

16600 VALLEY BLVD

Year	Uses	Source
1965	Stewart Thomas Nellie miach hipr Eti Steel h	Luskey Brothers & Co

16605 VALLEY BLVD

Year	Uses	Source
1999	OCCUPANT UNKNOWN	Cole Information Services
1965	Willis Alma A photo retouch h	Luskey Brothers & Co

16610 VALLEY BLVD

Year	Uses	Source
2009	PS LIGHTING	Cole Information Services
2008	PS LIGHTING	Haines Company, Inc.

FINDINGS

Year	Uses	Source
2004	PARK SPECIALTIES	Cole Information Services
2003	PARK SPECIALTIES LIGHTING	Haines & Co Publishers
2002	PARK SPECIALTIES LIGHTING	SBC PACIFIC BELL
1999	PARK SPECIALTIES LIGHTING	Cole Information Services
	PARK SPECIALTIES	Cole Information Services
1996	PARK SPECIALTIES	Pacific Bell
1994	PARK SPECIALTIES	Cole Information Services
1990	PARK SPECIALTIES	Pacific Bell

16614 VALLEY BLVD

Year	Uses	Source
1965	Weksler Berl Sonia Weksler Chicken Ranch h	Luskey Brothers & Co
	Weksler Chicken Ranch Berl Weksler	Luskey Brothers & Co

16616 VALLEY BLVD

Year	Uses	Source
2009	WALTS RV SUPPLIES	Cole Information Services
2008	WALTS RV SUPPLIES	Haines Company, Inc.
2004	HARVEY DORSETT	Cole Information Services
2003	DORSETT Harvey	Haines & Co Publishers
	WALTS RV SUPPLIES	Haines & Co Publishers
2002	WALT S RVSUPPLIES	SBC PACIFIC BELL
1999	WALTS RV SUPPLIES	Cole Information Services
	OCCUPANT UNKNOWN	Cole Information Services
1996	WALTS RV SUPPLIES	Pacific Bell
1994	WALTS RV SUPPLIES	Cole Information Services
1990	WALTS RV SUPPLIES	Pacific Bell

16617 VALLEY BLVD

Year	Uses	Source
2003	RHYNARD Alvin	Haines & Co Publishers
1965	Foote Chester E asst eng NAFB Sn B r	Luskey Brothers & Co
	Foote Laura Mrs h	Luskey Brothers & Co

FINDINGS

16626 VALLEY BLVD

Year	Uses	Source
2003	XXXX	Haines & Co Publishers
1965	Ehrhart Clause E ret h	Luskey Brothers & Co

16627 VALLEY BLVD

Year	Uses	Source
2009	OCCUPANT UNKNOWN	Cole Information Services
2008	SANDOVAL Jose	Haines Company, Inc.
	SANDOVAL Victor	Haines Company, Inc.
	SANDOVAL Victor	Haines Company, Inc.
2004	VICTOR SANDOVAL	Cole Information Services
2003	SANDOVAL Jose	Haines & Co Publishers
	SANDOVAL Victor	Haines & Co Publishers
	SANDOVAL Victor	Haines & Co Publishers
2002	Sandoval Jose	SBC PACIFIC BELL
	Sandoval Victor	SBC PACIFIC BELL
	Sandoval V	SBC PACIFIC BELL
1996	Sandoval Jose	Pacific Bell
1994	SANDOVAL, JOSE	Cole Information Services
1991	Sandoval Jose	GTE California Incorporated
1990	Sandoval Jose	Pacific Bell
1965	Carter Ivy E Mrs nurse Kaiser Hosp h	Luskey Brothers & Co

16628 VALLEY BLVD

Year	Uses	Source
2008	WEBER Law rence	Haines Company, Inc.
2003	WEBER Law rence	Haines & Co Publishers
2002	Weber Law rence	SBC PACIFIC BELL
1996	Weber Law rence	Pacific Bell
1994	WEBER, L	Cole Information Services
1990	Weber Law rence	Pacific Bell
1965	Weber Law rence C Annmech Kaiser Steel h	Luskey Brothers & Co

FINDINGS

16630 VALLEY BLVD

Year	Uses	Source
2009	OCCUPANT UNKNOWN	Cole Information Services
2008	XXXX	Haines Company, Inc.
2004	ADRIENNE GALINDO	Cole Information Services
2003	XXXX	Haines & Co Publishers
1990	Keener Danl S	Pacific Bell

16632 VALLEY BLVD

Year	Uses	Source
2014	WILBERT FLORES	Cole Information Services
2009	WILBERT FLORES	Cole Information Services
2008	XXXX	Haines Company, Inc.
2004	ALYSSA RAMIREZ	Cole Information Services
2003	XXXX	Haines & Co Publishers
1999	WILBERT FLORES	Cole Information Services

16637 VALLEY BLVD

Year	Uses	Source
2003	XXXX	Haines & Co Publishers
1965	Luittringer Edward E Dorothy slitterin Kaiser Steel h	Luskey Brothers & Co

16648 VALLEY BLVD

Year	Uses	Source
2009	BUY EASY CARS	Cole Information Services
2008	BUY EASY CARS	Haines Company, Inc.
2003	FAWCETT Leslie	Haines & Co Publishers
	FAWCETT Brian	Haines & Co Publishers
2002	Fawcett Brian & Leslie	SBC PACIFIC BELL
1999	JEM AUTO SALES	Cole Information Services
1996	J & M AUTO SALES	Pacific Bell
1990	FONTANA FARMS	Pacific Bell
1965	Lively Ed J Mary ret h	Luskey Brothers & Co

FINDINGS

16649 VALLEY BLVD

Year	Uses	Source
2003	XXXX	Haines & Co Publishers
1965	Smith George R Madyin w indow w asher h	Luskey Brothers & Co

16655 VALLEY BLVD

Year	Uses	Source
2003	XXXX	Haines & Co Publishers
1965	Dupuis Laurence Judy tileman h	Luskey Brothers & Co

16676 VALLEY BLVD

Year	Uses	Source
2004	DANIEL VELAZQUEZ	Cole Information Services

16701 VALLEY BLVD

Year	Uses	Source
2017	RED WING SHOES	Cole Information Services
	CALIFORNIA MEDICAL CLINIC	Cole Information Services
	CLINICA DENTAL FAMILIAR GUADALUPANA	Cole Information Services
	HAIRMASTERS	Cole Information Services
	THE SPORT BAR	Cole Information Services
	ST MINA PHARMACY	Cole Information Services
2014	RED WING SHOES	Cole Information Services
	CLINICA DENTAL FAMILIAR GUADALUPANA	Cole Information Services
	CALIFORNIA MEDICAL CLINIC	Cole Information Services
	HAIRMASTERS	Cole Information Services
2009	AGUAPURA	Cole Information Services
	CALIFORNIA MEDICAL CLINIC	Cole Information Services
	DON ROBERTO JEWELERS	Cole Information Services
	RED WING SHOE STORE	Cole Information Services
	DENTAL GUADALUPANA	Cole Information Services
	REMEDY TEMP INC	Cole Information Services
2008	AGUAPURA	Haines Company, Inc.
	CA MEDICAL CLINIC	Haines Company, Inc.

FINDINGS

Year	Uses	Source
2008	CLINICA DENTAL FAMILIAR GDLPNA	Haines Company, Inc.
	REMEDY INTELLIGENT STAFFING	Haines Company, Inc.
2004	CALIFORNIA MEDICAL CLINIC INC	Cole Information Services
	RED WING SHOE STORE	Cole Information Services
	FANTASTIC SAMS	Cole Information Services
	WING RED	Cole Information Services
2003	DENTAL GUADALUPANA	Haines & Co Publishers
	FANTASTIC SAMS	Haines & Co Publishers
	MENDIETA GUILLERMO DDS	Haines & Co Publishers
	NUTRI SPORT	Haines & Co Publishers
	RED WING SHOE STORE	Haines & Co Publishers
	REMEDY INTELLIGENT STAFFING	Haines & Co Publishers
2002	REMEDY INTELLIGENT	SBC PACIFIC BELL
	STAFFING	SBC PACIFIC BELL
	OFFICE	SBC PACIFIC BELL
	B RED WING SHOE STORE D DENTALGUADAL	SBC PACIFIC BELL
	D MENDIETA GUILLERMO DOS	SBC PACIFIC BELL
	E NUTRI SPORT	SBC PACIFIC BELL
	F FANTASTIC SAMS	SBC PACIFIC BELL
1999	FANTASTIC SAMS	Cole Information Services
	RED WING SHOE STORE	Cole Information Services
	DAIRY QUEEN	Cole Information Services
	INLAND EMPIRE CENTER	Cole Information Services
	DENTAL GUADALUPANA	Cole Information Services
1996	DAIRY QUEEN OF FONTANA	Pacific Bell
	RED WING SHOE STORE	Pacific Bell
	MENDIETA GUILLERMO DDS	Pacific Bell
	MENDIETA GUILLERMO DDS	Pacific Bell
	KATIE MCGUIRES PIE & BAKE SHOPPE	Pacific Bell
	FANTASTIC SAMS	Pacific Bell
1994	DAIRY QUEEN	Cole Information Services

FINDINGS

16711 VALLEY BLVD

Year	Uses	Source
2017	PEP BOYS	Cole Information Services
2014	PEP BOYS	Cole Information Services
2009	PEP BOYS AUTOMOTIVE SUPERCENTER	Cole Information Services
2008	PEP BOYS AUTOMTV SUPERCENTERS	Haines Company, Inc.
	PEPBOYS AUTOMTV SUPERCENTERS	Haines Company, Inc.
2004	PEP BOYS AUTOMOTIVE SPRCNTR	Cole Information Services
2003	PEP BOYS AUTOMTV SUPERCENTERS	Haines & Co Publishers
	PEP Boys	Haines & Co Publishers
2002	SUPERCENTERS	SBC PACIFIC BELL
	PEP BOYS AUTOMOTIVE	SBC PACIFIC BELL
1999	PEP BOYS AUTOMOTIVE SUPERCENTERS	Cole Information Services
1996	PEP BOYS AUTOMOTIVE SUPERCENTERS	Pacific Bell
1994	PEP BOYS AUTOMOTIVE SUPER CTR	Cole Information Services

16718 VALLEY BLVD

Year	Uses	Source
2017	JOHNS LIQUOR MARKET	Cole Information Services
2014	JOHNS LIQUOR MARKET	Cole Information Services
2008	JOHNS LIQUOR MARKET	Haines Company, Inc.
2004	JOHNS LIQUOR MARKET	Cole Information Services
	OCCUPANT UNKNOWN	Cole Information Services
2003	JOHNS LIQUOR MARKET	Haines & Co Publishers
	BOATMAN Billy	Haines & Co Publishers
2002	JOHN SLIQUOR M	SBC PACIFIC BELL
1999	JOHNS LIQUOR MARKET	Cole Information Services
1996	JOHNS LIQUOR MARKET	Pacific Bell
1994	JOHNS LIQUOR MARKET	Cole Information Services
1990	JOHNS LIQUOR MARKET	Pacific Bell

16721 VALLEY BLVD

Year	Uses	Source
2017	FRED LOYA INSURANCE	Cole Information Services
	CARDENAS MARKET	Cole Information Services

FINDINGS

Year	Uses	Source
2014	CARDENAS MARKETS NO 7	Cole Information Services
	FRED LOYA INSURANCE	Cole Information Services
	JOYERIA LUPITA II	Cole Information Services
2009	LA CANASTA FURNISHINGS	Cole Information Services
2008	JOYERIALUPIT	Haines Company, Inc.
	CARDENAS MARKET 7	Haines Company, Inc.
2004	LUPITA II JOYERIA	Cole Information Services
	DE ORO HOME LOANS	Cole Information Services
	CARDEAS MARKET INC	Cole Information Services
	99 CENT TILE & CARPET	Cole Information Services
	LA CUEVA PLYR CDS Y ACCES	Cole Information Services
	STELLA BEAUTY	Cole Information Services
	DISCOTECA MENDEZ	Cole Information Services
	EXPO NUMBER 600	Cole Information Services
	LU JOYERIA	Cole Information Services
2003	JOYERIA Lupita 2D	Haines & Co Publishers
	LA CANASTA FURNISHINGS	Haines & Co Publishers
	FARMACIA LAS AMERICAS	Haines & Co Publishers
	CA CAPITAL COMPANIES	Haines & Co Publishers
	CARDEAS MARKET NO SEVEN	Haines & Co Publishers
	CENTURY 21 DE ORO	Haines & Co Publishers
2002	CARDEAS MARKET NO	SBC PACIFIC BELL
	SEVEN	SBC PACIFIC BELL
	OFFICE	SBC PACIFIC BELL
	B LA CANASTA FURNISHINGS	SBC PACIFIC BELL
	CALIFORNIA CAPITAL COMP	SBC PACIFIC BELL
	JOYERIALUPITAII	SBC PACIFIC BELL
	FARMACIA LAS AMERICAS	SBC PACIFIC BELL
	DESIGNS MARIA	SBC PACIFIC BELL
1999	WELLS FARGO BANK	Cole Information Services
	VONS MARKETS	Cole Information Services
1994	PHOENIX ENTRPS INC	Cole Information Services

FINDINGS

16737 VALLEY BLVD

Year	Uses	Source
2003	XXXX	Haines & Co Publishers
1965	Van Zytveld JC h	Luskey Brothers & Co

16741 VALLEY BLVD

Year	Uses	Source
2017	FONTANA 8	Cole Information Services
	ULTRASTAR FONTANA 8	Cole Information Services
2014	ULTRASTAR FONTANA 8	Cole Information Services
	FONTANA 8	Cole Information Services
2008	FONTANA 8 MOVIE THEATER	Haines Company, Inc.
2003	XXXX	Haines & Co Publishers
1999	EDWARDS 8 THEATRES	Cole Information Services
1996	EDWARDS 8 THEATRES	Pacific Bell
1994	EDWARD 8 THEATRES	Cole Information Services

VALLEY VIEW

16616 VALLEY VIEW

Year	Uses	Source
1991	WALTS RV SUPPLIES	GTE California Incorporated

16630 VALLEY VIEW

Year	Uses	Source
1991	Keener Dan I S	GTE California Incorporated

VALLEY VIS

16648 VALLEY VIS

Year	Uses	Source
1991	Fontana Farms	GTE California Incorporated

WASHINGTON

16606 WASHINGTON

Year	Uses	Source
1965	Bollinger Johni G Neva ret h	Luskey Brothers & Co

FINDINGS

WASHINGTON DR

16592 WASHINGTON DR

Year	Uses	Source
2014	OCCUPANT UNKNOWN	Cole Information Services
2009	OCCUPANT UNKNOWN	Cole Information Services
2004	OCCUPANT UNKNOWN	Cole Information Services

16606 WASHINGTON DR

Year	Uses	Source
2003	ROTOLO Mariano	Haines & Co Publishers
1960	CH THORSRUD V	Luskey Brothers & Co Publishers

16614 WASHINGTON DR

Year	Uses	Source
2003	XXXX	Haines & Co Publishers
1970	Grimes Chas W	General Telephone Company of California
1965	Savage Eugene A Sherron carp Welldw ood Structures SF Sprngs h	Luskey Brothers & Co
1960	JE FARR	Luskey Brothers & Co Publishers

16616 WASHINGTON DR

Year	Uses	Source
1960	VACANT	Luskey Brothers & Co Publishers

16666 WASHINGTON DR

Year	Uses	Source
2003	XXXX	Haines & Co Publishers
1970	Reaume W Nl	General Telephone Company of California
1965	Reaume Wm J Barbara mach Register New spaper	Luskey Brothers & Co
	SA h	Luskey Brothers & Co
1960	LE SHIRLEY a V	Luskey Brothers & Co Publishers

16716 WASHINGTON DR

Year	Uses	Source
1965	Stumbaugh Myrl W Virginiacust Sunl Kist Pro Ont h	Luskey Brothers & Co

FINDINGS

WASHINGTON ST

16606 WASHINGTON ST

Year	*Uses*	*Source*
1970	MEYERS MOTOR EXPRESS	General Telephone Company of California
	Meyers Julie Jane	General Telephone Company of California

FINDINGS

ADJOINING PROPERTY: ADDRESSES NOT IDENTIFIED IN RESEARCH SOURCE

The following Adjoining Property addresses were researched for this report, and the addresses were not identified in research source.

Address Researched	Address Not Identified in Research Source
Valley Blvd	2017, 2014, 2009, 2008, 2004, 2003, 2002, 1999, 1996, 1995, 1994, 1991, 1990, 1985, 1981, 1980, 1975, 1970, 1965, 1964, 1961, 1960, 1956, 1955, 1951, 1950, 1949, 1946, 1945, 1942, 1941, 1940, 1938, 1936, 1934, 1931, 1930, 1926, 1923, 1922
10069 JUNIPER AVE	2017, 2014, 2009, 2004, 2002, 1999, 1996, 1995, 1994, 1991, 1990, 1985, 1981, 1980, 1975, 1970, 1964, 1961, 1960, 1956, 1955, 1951, 1950, 1949, 1946, 1945, 1942, 1941, 1940, 1938, 1936, 1934, 1931, 1930, 1926, 1923, 1922
10069 JUNIPER AVE	2014, 2008, 2003, 2002, 1996, 1995, 1994, 1991, 1990, 1985, 1981, 1980, 1975, 1970, 1965, 1964, 1961, 1960, 1956, 1955, 1951, 1950, 1949, 1946, 1945, 1942, 1941, 1940, 1938, 1936, 1934, 1931, 1930, 1926, 1923, 1922
10100 JUNIPERO TRL	2017, 2014, 2009, 2008, 2004, 2003, 2002, 1999, 1996, 1995, 1994, 1991, 1990, 1985, 1981, 1980, 1975, 1965, 1964, 1961, 1960, 1956, 1955, 1951, 1950, 1949, 1946, 1945, 1942, 1941, 1940, 1938, 1936, 1934, 1931, 1930, 1926, 1923, 1922
10102 JUNIPER	2017, 2014, 2009, 2008, 2004, 2003, 2002, 1999, 1996, 1995, 1994, 1991, 1990, 1985, 1981, 1980, 1970, 1965, 1964, 1961, 1960, 1956, 1955, 1951, 1950, 1949, 1946, 1945, 1942, 1941, 1940, 1938, 1936, 1934, 1931, 1930, 1926, 1923, 1922
10120 JUNIPER	2017, 2014, 2009, 2008, 2004, 2003, 2002, 1999, 1996, 1995, 1994, 1991, 1990, 1985, 1981, 1980, 1970, 1964, 1961, 1960, 1956, 1951, 1950, 1949, 1946, 1945, 1942, 1941, 1940, 1938, 1936, 1934, 1931, 1930, 1926, 1923, 1922
10120 JUNIPER AVE	2017, 2014, 2009, 2008, 2004, 2003, 2002, 1999, 1996, 1995, 1994, 1991, 1990, 1985, 1981, 1980, 1975, 1970, 1964, 1961, 1960, 1956, 1955, 1951, 1950, 1949, 1946, 1945, 1942, 1941, 1940, 1938, 1936, 1934, 1931, 1930, 1926, 1923, 1922
10120 JUNIPERO TRL	2017, 2014, 2009, 2008, 2004, 2003, 2002, 1999, 1996, 1995, 1994, 1991, 1990, 1985, 1981, 1980, 1975, 1965, 1964, 1961, 1960, 1956, 1955, 1951, 1950, 1949, 1946, 1945, 1942, 1941, 1940, 1938, 1936, 1934, 1931, 1930, 1926, 1923, 1922
10131 JUNIPER	2017, 2014, 2009, 2008, 2004, 2003, 2002, 1999, 1996, 1995, 1994, 1991, 1990, 1985, 1981, 1980, 1975, 1970, 1965, 1964, 1961, 1960, 1956, 1951, 1950, 1949, 1946, 1945, 1942, 1941, 1940, 1938, 1936, 1934, 1931, 1930, 1926, 1923, 1922
10131 JUNIPER AVE	2017, 2014, 2009, 2008, 2004, 2002, 1999, 1996, 1995, 1994, 1991, 1990, 1985, 1981, 1980, 1975, 1970, 1964, 1961, 1960, 1956, 1955, 1951, 1950, 1949, 1946, 1945, 1942, 1941, 1940, 1938, 1936, 1934, 1931, 1930, 1926, 1923, 1922
10131 JUNIPERO TRL	2017, 2014, 2009, 2008, 2004, 2003, 2002, 1999, 1996, 1995, 1994, 1991, 1990, 1985, 1981, 1980, 1975, 1965, 1964, 1961, 1960, 1956, 1955, 1951, 1950, 1949, 1946, 1945, 1942, 1941, 1940, 1938, 1936, 1934, 1931, 1930, 1926, 1923, 1922
10138 JUNIPER AVE	2017, 2014, 2009, 2008, 2004, 2003, 2002, 1999, 1996, 1995, 1994, 1991, 1990, 1985, 1981, 1980, 1975, 1970, 1964, 1961, 1960, 1956, 1955, 1951, 1950, 1949, 1946, 1945, 1942, 1941, 1940, 1938, 1936, 1934, 1931, 1930, 1926, 1923, 1922
10172 JUNIPER	2017, 2014, 2009, 2008, 2004, 2003, 2002, 1999, 1996, 1995, 1994, 1991, 1990, 1985, 1981, 1980, 1970, 1965, 1964, 1961, 1960, 1956, 1955, 1951, 1950, 1949, 1946, 1945, 1942, 1941, 1940, 1938, 1936, 1934, 1931, 1930, 1926, 1923, 1922
10172 JUNIPER AVE	2017, 2014, 2009, 2008, 2004, 2003, 2002, 1999, 1996, 1995, 1994, 1991, 1985, 1981, 1980, 1975, 1970, 1964, 1961, 1960, 1956, 1955, 1951, 1950, 1949, 1946, 1945, 1942, 1941, 1940, 1938, 1936, 1934, 1931, 1930, 1926, 1923, 1922

FINDINGS

Address Researched	Address Not Identified in Research Source
10181 JUNIPER	2017, 2014, 2009, 2008, 2004, 2003, 2002, 1999, 1996, 1995, 1994, 1991, 1990, 1985, 1981, 1980, 1975, 1970, 1965, 1964, 1961, 1960, 1956, 1951, 1950, 1949, 1946, 1945, 1942, 1941, 1940, 1938, 1936, 1934, 1931, 1930, 1926, 1923, 1922
10181 JUNIPER AVE	2017, 2014, 2009, 2008, 2004, 2003, 2002, 1999, 1996, 1995, 1994, 1991, 1990, 1985, 1981, 1980, 1975, 1970, 1964, 1961, 1960, 1956, 1955, 1951, 1950, 1949, 1946, 1945, 1942, 1941, 1940, 1938, 1936, 1934, 1931, 1930, 1926, 1923, 1922
10182 JUNIPER AVE	2017, 2014, 2009, 2008, 2004, 2003, 2002, 1999, 1996, 1995, 1994, 1991, 1990, 1985, 1981, 1980, 1975, 1970, 1964, 1961, 1960, 1956, 1955, 1951, 1950, 1949, 1946, 1945, 1942, 1941, 1940, 1938, 1936, 1934, 1931, 1930, 1926, 1923, 1922
10190 JUNIPER	2017, 2014, 2009, 2008, 2004, 2003, 2002, 1999, 1996, 1995, 1994, 1991, 1990, 1985, 1981, 1980, 1970, 1965, 1964, 1961, 1960, 1956, 1955, 1951, 1950, 1949, 1946, 1945, 1942, 1941, 1940, 1938, 1936, 1934, 1931, 1930, 1926, 1923, 1922
10190 JUNIPER AS	2017, 2014, 2009, 2008, 2004, 2003, 2002, 1999, 1996, 1995, 1994, 1990, 1985, 1981, 1980, 1975, 1970, 1965, 1964, 1961, 1960, 1956, 1955, 1951, 1950, 1949, 1946, 1945, 1942, 1941, 1940, 1938, 1936, 1934, 1931, 1930, 1926, 1923, 1922
10190 JUNIPER AVE	2017, 2014, 2009, 2008, 2004, 1999, 1995, 1994, 1991, 1985, 1981, 1980, 1975, 1970, 1964, 1961, 1960, 1956, 1955, 1951, 1950, 1949, 1946, 1945, 1942, 1941, 1940, 1938, 1936, 1934, 1931, 1930, 1926, 1923, 1922
10190 JUNIPER AVE	2017, 2014, 2009, 2008, 2003, 2002, 1999, 1996, 1995, 1991, 1990, 1985, 1981, 1980, 1975, 1970, 1965, 1964, 1961, 1960, 1956, 1955, 1951, 1950, 1949, 1946, 1945, 1942, 1941, 1940, 1938, 1936, 1934, 1931, 1930, 1926, 1923, 1922
10190 JUNIPERO TRL	2017, 2014, 2009, 2008, 2004, 2003, 2002, 1999, 1996, 1995, 1994, 1991, 1990, 1985, 1981, 1980, 1975, 1965, 1964, 1961, 1960, 1956, 1955, 1951, 1950, 1949, 1946, 1945, 1942, 1941, 1940, 1938, 1936, 1934, 1931, 1930, 1926, 1923, 1922
10195 JUNIPER	2017, 2014, 2009, 2008, 2004, 2003, 2002, 1999, 1996, 1995, 1994, 1991, 1990, 1985, 1981, 1980, 1975, 1970, 1965, 1964, 1961, 1960, 1956, 1951, 1950, 1949, 1946, 1945, 1942, 1941, 1940, 1938, 1936, 1934, 1931, 1930, 1926, 1923, 1922
10195 JUNIPER AVE	2017, 2014, 2009, 2008, 2004, 2002, 1999, 1996, 1995, 1994, 1991, 1990, 1985, 1981, 1980, 1975, 1970, 1964, 1961, 1960, 1956, 1955, 1951, 1950, 1949, 1946, 1945, 1942, 1941, 1940, 1938, 1936, 1934, 1931, 1930, 1926, 1923, 1922
10195 JUNIPERO TRL	2017, 2014, 2009, 2008, 2004, 2003, 2002, 1999, 1996, 1995, 1994, 1991, 1990, 1985, 1981, 1980, 1975, 1965, 1964, 1961, 1960, 1956, 1955, 1951, 1950, 1949, 1946, 1945, 1942, 1941, 1940, 1938, 1936, 1934, 1931, 1930, 1926, 1923, 1922
10196 JUNIPER AVE	2017, 2014, 2009, 2008, 2004, 2003, 1999, 1996, 1995, 1994, 1991, 1990, 1985, 1981, 1980, 1975, 1970, 1964, 1961, 1960, 1956, 1955, 1951, 1950, 1949, 1946, 1945, 1942, 1941, 1940, 1938, 1936, 1934, 1931, 1930, 1926, 1923, 1922
10196 JUNIPER AVE	2017, 2014, 2009, 2008, 2003, 2002, 1999, 1996, 1995, 1994, 1991, 1990, 1985, 1981, 1980, 1975, 1970, 1965, 1964, 1961, 1960, 1956, 1955, 1951, 1950, 1949, 1946, 1945, 1942, 1941, 1940, 1938, 1936, 1934, 1931, 1930, 1926, 1923, 1922
10196 JUNIPERO	2017, 2014, 2009, 2008, 2004, 2003, 2002, 1999, 1996, 1995, 1994, 1991, 1990, 1985, 1981, 1980, 1975, 1965, 1964, 1961, 1960, 1956, 1955, 1951, 1950, 1949, 1946, 1945, 1942, 1941, 1940, 1938, 1936, 1934, 1931, 1930, 1926, 1923, 1922
10200 JUNIPER AVE	2017, 2014, 2009, 2004, 1999, 1995, 1994, 1991, 1990, 1985, 1981, 1980, 1975, 1970, 1965, 1964, 1961, 1960, 1956, 1955, 1951, 1950, 1949, 1946, 1945, 1942, 1941, 1940, 1938, 1936, 1934, 1931, 1930, 1926, 1923, 1922
10200 JUNIPER AVE	2014, 2008, 2003, 2002, 1996, 1995, 1991, 1990, 1985, 1981, 1980, 1975, 1970, 1965, 1964, 1961, 1960, 1956, 1955, 1951, 1950, 1949, 1946, 1945, 1942, 1941, 1940, 1938, 1936, 1934, 1931, 1930, 1926, 1923, 1922

FINDINGS

Address Researched	Address Not Identified in Research Source
10210 JUNIPER AVE	2008, 2003, 2002, 1996, 1995, 1994, 1991, 1990, 1985, 1981, 1980, 1975, 1970, 1965, 1964, 1961, 1960, 1956, 1955, 1951, 1950, 1949, 1946, 1945, 1942, 1941, 1940, 1938, 1936, 1934, 1931, 1930, 1926, 1923, 1922
10420 JUNIPER AVE	2008, 2003, 2002, 1996, 1995, 1991, 1990, 1985, 1981, 1980, 1975, 1970, 1965, 1964, 1961, 1960, 1956, 1955, 1951, 1950, 1949, 1946, 1945, 1942, 1941, 1940, 1938, 1936, 1934, 1931, 1930, 1926, 1923, 1922
10437 JUNIPER AVE	2008, 2003, 2002, 1999, 1996, 1995, 1991, 1990, 1985, 1981, 1980, 1975, 1970, 1965, 1964, 1961, 1960, 1956, 1955, 1951, 1950, 1949, 1946, 1945, 1942, 1941, 1940, 1938, 1936, 1934, 1931, 1930, 1926, 1923, 1922
10462 JUNIPER AVE	2008, 2003, 2002, 1996, 1995, 1994, 1991, 1990, 1985, 1981, 1980, 1975, 1970, 1965, 1964, 1961, 1960, 1956, 1955, 1951, 1950, 1949, 1946, 1945, 1942, 1941, 1940, 1938, 1936, 1934, 1931, 1930, 1926, 1923, 1922
10512 JUNIPER AVE	2008, 2003, 2002, 1996, 1995, 1991, 1990, 1985, 1981, 1980, 1975, 1970, 1965, 1964, 1961, 1960, 1956, 1955, 1951, 1950, 1949, 1946, 1945, 1942, 1941, 1940, 1938, 1936, 1934, 1931, 1930, 1926, 1923, 1922
10536 JUNIPER AVE	2008, 2003, 2002, 1996, 1995, 1991, 1990, 1985, 1981, 1980, 1975, 1970, 1965, 1964, 1961, 1960, 1956, 1955, 1951, 1950, 1949, 1946, 1945, 1942, 1941, 1940, 1938, 1936, 1934, 1931, 1930, 1926, 1923, 1922
16546 VALLEY BLVD	2017, 2008, 2003, 2002, 1996, 1995, 1991, 1990, 1985, 1981, 1980, 1975, 1970, 1965, 1964, 1961, 1960, 1956, 1955, 1951, 1950, 1949, 1946, 1945, 1942, 1941, 1940, 1938, 1936, 1934, 1931, 1930, 1926, 1923, 1922
16556 VALLEY	2017, 2014, 2009, 2008, 2004, 2003, 2002, 1999, 1996, 1995, 1994, 1991, 1990, 1985, 1981, 1980, 1965, 1964, 1961, 1960, 1956, 1951, 1950, 1949, 1946, 1945, 1942, 1941, 1940, 1938, 1936, 1934, 1931, 1930, 1926, 1923, 1922
16556 VALLEY BLVD	2017, 2014, 2009, 2004, 1999, 1995, 1994, 1985, 1981, 1980, 1975, 1970, 1964, 1961, 1960, 1956, 1955, 1951, 1950, 1949, 1946, 1945, 1942, 1941, 1940, 1938, 1936, 1934, 1931, 1930, 1926, 1923, 1922
16556 VALLEY BLVD	2017, 2014, 2008, 2003, 2002, 1996, 1995, 1991, 1990, 1985, 1981, 1980, 1975, 1970, 1965, 1964, 1961, 1960, 1956, 1955, 1951, 1950, 1949, 1946, 1945, 1942, 1941, 1940, 1938, 1936, 1934, 1931, 1930, 1926, 1923, 1922
16566 VALLEY BLVD	2017, 2014, 2009, 2008, 2004, 2002, 1999, 1996, 1995, 1994, 1991, 1990, 1985, 1981, 1980, 1975, 1970, 1965, 1964, 1961, 1960, 1956, 1955, 1951, 1950, 1949, 1946, 1945, 1942, 1941, 1940, 1938, 1936, 1934, 1931, 1930, 1926, 1923, 1922
16574 VALLEY	2017, 2014, 2009, 2008, 2004, 2003, 2002, 1999, 1996, 1995, 1994, 1991, 1990, 1985, 1981, 1980, 1965, 1964, 1961, 1960, 1956, 1955, 1951, 1950, 1949, 1946, 1945, 1942, 1941, 1940, 1938, 1936, 1934, 1931, 1930, 1926, 1923, 1922
16574 VALLEY BLVD	2017, 2014, 2009, 2004, 2002, 1999, 1996, 1995, 1994, 1991, 1985, 1981, 1980, 1975, 1970, 1964, 1961, 1960, 1956, 1955, 1951, 1950, 1949, 1946, 1945, 1942, 1941, 1940, 1938, 1936, 1934, 1931, 1930, 1926, 1923, 1922
16574 VALLEY BLVD	2017, 2014, 2008, 2003, 2002, 1996, 1995, 1991, 1990, 1985, 1981, 1980, 1975, 1970, 1965, 1964, 1961, 1960, 1956, 1955, 1951, 1950, 1949, 1946, 1945, 1942, 1941, 1940, 1938, 1936, 1934, 1931, 1930, 1926, 1923, 1922
16584 VALLEY BI	2017, 2014, 2009, 2008, 2004, 2003, 2002, 1999, 1996, 1995, 1994, 1991, 1990, 1985, 1981, 1980, 1975, 1970, 1964, 1961, 1960, 1956, 1955, 1951, 1950, 1949, 1946, 1945, 1942, 1941, 1940, 1938, 1936, 1934, 1931, 1930, 1926, 1923, 1922
16584 VALLEY BLVD	2017, 2014, 2009, 2004, 2002, 1999, 1996, 1995, 1994, 1991, 1985, 1981, 1980, 1975, 1970, 1964, 1961, 1960, 1956, 1955, 1951, 1950, 1949, 1946, 1945, 1942, 1941, 1940, 1938, 1936, 1934, 1931, 1930, 1926, 1923, 1922

FINDINGS

Address Researched	Address Not Identified in Research Source
16584 VALLEY BLVD	2017, 2014, 2008, 2003, 2002, 1999, 1996, 1995, 1994, 1991, 1990, 1985, 1981, 1980, 1975, 1970, 1965, 1964, 1961, 1960, 1956, 1955, 1951, 1950, 1949, 1946, 1945, 1942, 1941, 1940, 1938, 1936, 1934, 1931, 1930, 1926, 1923, 1922
16592 WASHINGTON DR	2017, 2008, 2003, 2002, 1999, 1996, 1995, 1994, 1991, 1990, 1985, 1981, 1980, 1975, 1970, 1965, 1964, 1961, 1960, 1956, 1955, 1951, 1950, 1949, 1946, 1945, 1942, 1941, 1940, 1938, 1936, 1934, 1931, 1930, 1926, 1923, 1922
16594 VALLEY	2017, 2014, 2009, 2008, 2004, 2003, 2002, 1999, 1996, 1995, 1994, 1991, 1990, 1985, 1981, 1980, 1965, 1964, 1961, 1960, 1956, 1951, 1950, 1949, 1946, 1945, 1942, 1941, 1940, 1938, 1936, 1934, 1931, 1930, 1926, 1923, 1922
16594 VALLEY BF	2017, 2014, 2009, 2008, 2004, 2003, 2002, 1999, 1996, 1995, 1994, 1991, 1990, 1985, 1981, 1980, 1975, 1970, 1964, 1961, 1960, 1956, 1955, 1951, 1950, 1949, 1946, 1945, 1942, 1941, 1940, 1938, 1936, 1934, 1931, 1930, 1926, 1923, 1922
16594 VALLEY BLVD	2017, 2014, 2009, 2004, 1999, 1996, 1995, 1994, 1985, 1981, 1980, 1975, 1970, 1964, 1961, 1960, 1956, 1955, 1951, 1950, 1949, 1946, 1945, 1942, 1941, 1940, 1938, 1936, 1934, 1931, 1930, 1926, 1923, 1922
16594 VALLEY BLVD	2017, 2008, 2003, 2002, 1996, 1995, 1994, 1991, 1990, 1985, 1981, 1980, 1975, 1970, 1965, 1964, 1961, 1960, 1956, 1955, 1951, 1950, 1949, 1946, 1945, 1942, 1941, 1940, 1938, 1936, 1934, 1931, 1930, 1926, 1923, 1922
16600 VALLEY BLVD	2017, 2014, 2009, 2008, 2004, 2003, 2002, 1999, 1996, 1995, 1994, 1991, 1990, 1985, 1981, 1980, 1975, 1970, 1964, 1961, 1960, 1956, 1955, 1951, 1950, 1949, 1946, 1945, 1942, 1941, 1940, 1938, 1936, 1934, 1931, 1930, 1926, 1923, 1922
16605 VALLEY	2017, 2014, 2009, 2008, 2004, 2003, 2002, 1999, 1996, 1995, 1994, 1991, 1990, 1985, 1981, 1980, 1975, 1970, 1965, 1964, 1961, 1960, 1956, 1951, 1950, 1949, 1946, 1945, 1942, 1941, 1940, 1938, 1936, 1934, 1931, 1930, 1926, 1923, 1922
16605 VALLEY BLVD	2017, 2014, 2009, 2008, 2004, 2003, 2002, 1999, 1996, 1995, 1994, 1991, 1990, 1985, 1981, 1980, 1975, 1970, 1964, 1961, 1960, 1956, 1955, 1951, 1950, 1949, 1946, 1945, 1942, 1941, 1940, 1938, 1936, 1934, 1931, 1930, 1926, 1923, 1922
16605 VALLEY BLVD	2017, 2014, 2009, 2008, 2004, 2003, 2002, 1996, 1995, 1994, 1991, 1990, 1985, 1981, 1980, 1975, 1970, 1965, 1964, 1961, 1960, 1956, 1955, 1951, 1950, 1949, 1946, 1945, 1942, 1941, 1940, 1938, 1936, 1934, 1931, 1930, 1926, 1923, 1922
16606 WASHINGTON	2017, 2014, 2009, 2008, 2004, 2003, 2002, 1999, 1996, 1995, 1994, 1991, 1990, 1985, 1981, 1980, 1975, 1970, 1964, 1961, 1960, 1956, 1955, 1951, 1950, 1949, 1946, 1945, 1942, 1941, 1940, 1938, 1936, 1934, 1931, 1930, 1926, 1923, 1922
16606 WASHINGTON DR	2017, 2014, 2009, 2008, 2004, 2002, 1999, 1996, 1995, 1994, 1991, 1990, 1985, 1981, 1980, 1975, 1970, 1965, 1964, 1961, 1956, 1955, 1951, 1950, 1949, 1946, 1945, 1942, 1941, 1940, 1938, 1936, 1934, 1931, 1930, 1926, 1923, 1922
16606 WASHINGTON ST	2017, 2014, 2009, 2008, 2004, 2003, 2002, 1999, 1996, 1995, 1994, 1991, 1990, 1985, 1981, 1980, 1975, 1965, 1964, 1961, 1960, 1956, 1955, 1951, 1950, 1949, 1946, 1945, 1942, 1941, 1940, 1938, 1936, 1934, 1931, 1930, 1926, 1923, 1922
16610 VALLEY BLVD	2017, 2014, 2009, 2004, 1999, 1995, 1994, 1991, 1985, 1981, 1980, 1975, 1970, 1965, 1964, 1961, 1960, 1956, 1955, 1951, 1950, 1949, 1946, 1945, 1942, 1941, 1940, 1938, 1936, 1934, 1931, 1930, 1926, 1923, 1922
16610 VALLEY BLVD	2017, 2014, 2008, 2003, 2002, 1996, 1995, 1991, 1990, 1985, 1981, 1980, 1975, 1970, 1965, 1964, 1961, 1960, 1956, 1955, 1951, 1950, 1949, 1946, 1945, 1942, 1941, 1940, 1938, 1936, 1934, 1931, 1930, 1926, 1923, 1922
16614 VALLEY BLVD	2017, 2014, 2009, 2008, 2004, 2003, 2002, 1999, 1996, 1995, 1994, 1991, 1990, 1985, 1981, 1980, 1975, 1970, 1964, 1961, 1960, 1956, 1955, 1951, 1950, 1949, 1946, 1945, 1942, 1941, 1940, 1938, 1936, 1934, 1931, 1930, 1926, 1923, 1922

FINDINGS

Address Researched	Address Not Identified in Research Source
16614 WASHINGTON DR	2017, 2014, 2009, 2008, 2004, 2002, 1999, 1996, 1995, 1994, 1991, 1990, 1985, 1981, 1980, 1975, 1964, 1961, 1956, 1955, 1951, 1950, 1949, 1946, 1945, 1942, 1941, 1940, 1938, 1936, 1934, 1931, 1930, 1926, 1923, 1922
16616 VALLEY BLVD	2017, 2014, 2009, 2004, 1999, 1995, 1994, 1991, 1985, 1981, 1980, 1975, 1970, 1965, 1964, 1961, 1960, 1956, 1955, 1951, 1950, 1949, 1946, 1945, 1942, 1941, 1940, 1938, 1936, 1934, 1931, 1930, 1926, 1923, 1922
16616 VALLEY BLVD	2017, 2014, 2008, 2003, 2002, 1996, 1995, 1991, 1990, 1985, 1981, 1980, 1975, 1970, 1965, 1964, 1961, 1960, 1956, 1955, 1951, 1950, 1949, 1946, 1945, 1942, 1941, 1940, 1938, 1936, 1934, 1931, 1930, 1926, 1923, 1922
16616 VALLEY VIEW	2017, 2014, 2009, 2008, 2004, 2003, 2002, 1999, 1996, 1995, 1994, 1990, 1985, 1981, 1980, 1975, 1970, 1965, 1964, 1961, 1960, 1956, 1955, 1951, 1950, 1949, 1946, 1945, 1942, 1941, 1940, 1938, 1936, 1934, 1931, 1930, 1926, 1923, 1922
16616 WASHINGTON DR	2017, 2014, 2009, 2008, 2004, 2003, 2002, 1999, 1996, 1995, 1994, 1991, 1990, 1985, 1981, 1980, 1975, 1970, 1965, 1964, 1961, 1956, 1955, 1951, 1950, 1949, 1946, 1945, 1942, 1941, 1940, 1938, 1936, 1934, 1931, 1930, 1926, 1923, 1922
16617 VALLEY	2017, 2014, 2009, 2008, 2004, 2003, 2002, 1999, 1996, 1995, 1994, 1991, 1990, 1985, 1981, 1980, 1975, 1970, 1965, 1964, 1961, 1960, 1956, 1951, 1950, 1949, 1946, 1945, 1942, 1941, 1940, 1938, 1936, 1934, 1931, 1930, 1926, 1923, 1922
16617 VALLEY BLVD	2017, 2014, 2009, 2008, 2004, 2002, 1999, 1996, 1995, 1994, 1991, 1990, 1985, 1981, 1980, 1975, 1970, 1964, 1961, 1960, 1956, 1955, 1951, 1950, 1949, 1946, 1945, 1942, 1941, 1940, 1938, 1936, 1934, 1931, 1930, 1926, 1923, 1922
16626 VALLEY BLVD	2017, 2014, 2009, 2008, 2004, 2002, 1999, 1996, 1995, 1994, 1991, 1990, 1985, 1981, 1980, 1975, 1970, 1964, 1961, 1960, 1956, 1955, 1951, 1950, 1949, 1946, 1945, 1942, 1941, 1940, 1938, 1936, 1934, 1931, 1930, 1926, 1923, 1922
16627 VALLEY BLVD	2017, 2014, 2009, 2004, 1999, 1995, 1994, 1985, 1981, 1980, 1975, 1970, 1964, 1961, 1960, 1956, 1955, 1951, 1950, 1949, 1946, 1945, 1942, 1941, 1940, 1938, 1936, 1934, 1931, 1930, 1926, 1923, 1922
16627 VALLEY BLVD	2017, 2014, 2008, 2003, 2002, 1999, 1996, 1995, 1991, 1990, 1985, 1981, 1980, 1975, 1970, 1965, 1964, 1961, 1960, 1956, 1955, 1951, 1950, 1949, 1946, 1945, 1942, 1941, 1940, 1938, 1936, 1934, 1931, 1930, 1926, 1923, 1922
16628 VALIY	2017, 2014, 2009, 2008, 2004, 2003, 2002, 1999, 1996, 1995, 1994, 1991, 1990, 1985, 1981, 1980, 1975, 1965, 1964, 1961, 1960, 1956, 1955, 1951, 1950, 1949, 1946, 1945, 1942, 1941, 1940, 1938, 1936, 1934, 1931, 1930, 1926, 1923, 1922
16628 VALLEY	2017, 2014, 2009, 2008, 2004, 2003, 2002, 1999, 1996, 1995, 1994, 1991, 1990, 1985, 1981, 1980, 1970, 1965, 1964, 1961, 1960, 1956, 1955, 1951, 1950, 1949, 1946, 1945, 1942, 1941, 1940, 1938, 1936, 1934, 1931, 1930, 1926, 1923, 1922
16628 VALLEY BLVD	2017, 2014, 2009, 2004, 1999, 1995, 1994, 1991, 1985, 1981, 1980, 1975, 1970, 1964, 1961, 1960, 1956, 1955, 1951, 1950, 1949, 1946, 1945, 1942, 1941, 1940, 1938, 1936, 1934, 1931, 1930, 1926, 1923, 1922
16628 VALLEY BLVD	2017, 2014, 2009, 2008, 2004, 2003, 2002, 1999, 1996, 1995, 1991, 1990, 1985, 1981, 1980, 1975, 1970, 1965, 1964, 1961, 1960, 1956, 1955, 1951, 1950, 1949, 1946, 1945, 1942, 1941, 1940, 1938, 1936, 1934, 1931, 1930, 1926, 1923, 1922
16630 VALLEY BLVD	2017, 2014, 2008, 2003, 2002, 1999, 1996, 1995, 1994, 1991, 1990, 1985, 1981, 1980, 1975, 1970, 1965, 1964, 1961, 1960, 1956, 1955, 1951, 1950, 1949, 1946, 1945, 1942, 1941, 1940, 1938, 1936, 1934, 1931, 1930, 1926, 1923, 1922
16630 VALLEY BLVD	2017, 2014, 2009, 2004, 2002, 1999, 1996, 1995, 1994, 1991, 1985, 1981, 1980, 1975, 1970, 1965, 1964, 1961, 1960, 1956, 1955, 1951, 1950, 1949, 1946, 1945, 1942, 1941, 1940, 1938, 1936, 1934, 1931, 1930, 1926, 1923, 1922

FINDINGS

Address Researched	Address Not Identified in Research Source
16630 VALLEY VIEW	2017, 2014, 2009, 2008, 2004, 2003, 2002, 1999, 1996, 1995, 1994, 1990, 1985, 1981, 1980, 1975, 1970, 1965, 1964, 1961, 1960, 1956, 1955, 1951, 1950, 1949, 1946, 1945, 1942, 1941, 1940, 1938, 1936, 1934, 1931, 1930, 1926, 1923, 1922
16632 VALLEY BLVD	2017, 2014, 2009, 2004, 2002, 1999, 1996, 1995, 1994, 1991, 1990, 1985, 1981, 1980, 1975, 1970, 1965, 1964, 1961, 1960, 1956, 1955, 1951, 1950, 1949, 1946, 1945, 1942, 1941, 1940, 1938, 1936, 1934, 1931, 1930, 1926, 1923, 1922
16632 VALLEY BLVD	2017, 2008, 2003, 2002, 1996, 1995, 1994, 1991, 1990, 1985, 1981, 1980, 1975, 1970, 1965, 1964, 1961, 1960, 1956, 1955, 1951, 1950, 1949, 1946, 1945, 1942, 1941, 1940, 1938, 1936, 1934, 1931, 1930, 1926, 1923, 1922
16637 VALLEY	2017, 2014, 2009, 2008, 2004, 2003, 2002, 1999, 1996, 1995, 1994, 1991, 1990, 1985, 1981, 1980, 1965, 1964, 1961, 1960, 1956, 1951, 1950, 1949, 1946, 1945, 1942, 1941, 1940, 1938, 1936, 1934, 1931, 1930, 1926, 1923, 1922
16637 VALLEY BLVD	2017, 2014, 2009, 2008, 2004, 2002, 1999, 1996, 1995, 1994, 1991, 1990, 1985, 1981, 1980, 1975, 1970, 1964, 1961, 1960, 1956, 1955, 1951, 1950, 1949, 1946, 1945, 1942, 1941, 1940, 1938, 1936, 1934, 1931, 1930, 1926, 1923, 1922
16648 VALLEY	2017, 2014, 2009, 2008, 2004, 2003, 2002, 1999, 1996, 1995, 1994, 1991, 1990, 1985, 1981, 1980, 1975, 1970, 1965, 1964, 1961, 1960, 1956, 1951, 1950, 1949, 1946, 1945, 1942, 1941, 1940, 1938, 1936, 1934, 1931, 1930, 1926, 1923, 1922
16648 VALLEY BLVD	2017, 2014, 2009, 2004, 1999, 1995, 1994, 1991, 1985, 1981, 1980, 1975, 1970, 1964, 1961, 1960, 1956, 1955, 1951, 1950, 1949, 1946, 1945, 1942, 1941, 1940, 1938, 1936, 1934, 1931, 1930, 1926, 1923, 1922
16648 VALLEY BLVD	2017, 2014, 2008, 2004, 2003, 2002, 1996, 1995, 1994, 1991, 1990, 1985, 1981, 1980, 1975, 1970, 1965, 1964, 1961, 1960, 1956, 1955, 1951, 1950, 1949, 1946, 1945, 1942, 1941, 1940, 1938, 1936, 1934, 1931, 1930, 1926, 1923, 1922
16648 VALLEY VIS	2017, 2014, 2009, 2008, 2004, 2003, 2002, 1999, 1996, 1995, 1994, 1990, 1985, 1981, 1980, 1975, 1970, 1965, 1964, 1961, 1960, 1956, 1955, 1951, 1950, 1949, 1946, 1945, 1942, 1941, 1940, 1938, 1936, 1934, 1931, 1930, 1926, 1923, 1922
16649 VA LEY	2017, 2014, 2009, 2008, 2004, 2003, 2002, 1999, 1996, 1995, 1994, 1991, 1990, 1985, 1981, 1980, 1975, 1965, 1964, 1961, 1960, 1956, 1955, 1951, 1950, 1949, 1946, 1945, 1942, 1941, 1940, 1938, 1936, 1934, 1931, 1930, 1926, 1923, 1922
16649 VALLEY	2017, 2014, 2009, 2008, 2004, 2003, 2002, 1999, 1996, 1995, 1994, 1991, 1990, 1985, 1981, 1980, 1965, 1964, 1961, 1960, 1956, 1955, 1951, 1950, 1949, 1946, 1945, 1942, 1941, 1940, 1938, 1936, 1934, 1931, 1930, 1926, 1923, 1922
16649 VALLEY BLVD	2017, 2014, 2009, 2008, 2004, 2002, 1999, 1996, 1995, 1994, 1991, 1990, 1985, 1981, 1980, 1975, 1970, 1964, 1961, 1960, 1956, 1955, 1951, 1950, 1949, 1946, 1945, 1942, 1941, 1940, 1938, 1936, 1934, 1931, 1930, 1926, 1923, 1922
16655 VALLEY BLVD	2017, 2014, 2009, 2008, 2004, 2002, 1999, 1996, 1995, 1994, 1991, 1990, 1985, 1981, 1980, 1975, 1970, 1964, 1961, 1960, 1956, 1955, 1951, 1950, 1949, 1946, 1945, 1942, 1941, 1940, 1938, 1936, 1934, 1931, 1930, 1926, 1923, 1922
16666 WASHINGTON DR	2017, 2014, 2009, 2008, 2004, 2002, 1999, 1996, 1995, 1994, 1991, 1990, 1985, 1981, 1980, 1975, 1964, 1961, 1956, 1955, 1951, 1950, 1949, 1946, 1945, 1942, 1941, 1940, 1938, 1936, 1934, 1931, 1930, 1926, 1923, 1922
16676 VALLEY BLVD	2017, 2014, 2009, 2008, 2003, 2002, 1999, 1996, 1995, 1994, 1991, 1990, 1985, 1981, 1980, 1975, 1970, 1965, 1964, 1961, 1960, 1956, 1955, 1951, 1950, 1949, 1946, 1945, 1942, 1941, 1940, 1938, 1936, 1934, 1931, 1930, 1926, 1923, 1922
16680 VALLEY	2017, 2014, 2009, 2008, 2004, 2003, 2002, 1999, 1996, 1995, 1994, 1991, 1990, 1985, 1981, 1980, 1975, 1970, 1965, 1964, 1961, 1960, 1956, 1951, 1950, 1949, 1946, 1945, 1942, 1941, 1940, 1938, 1936, 1934, 1931, 1930, 1926, 1923, 1922

FINDINGS

Address Researched	Address Not Identified in Research Source
16701 VALLEY BLVD	2017, 2014, 2009, 2004, 1999, 1995, 1994, 1991, 1990, 1985, 1981, 1980, 1975, 1970, 1965, 1964, 1961, 1960, 1956, 1955, 1951, 1950, 1949, 1946, 1945, 1942, 1941, 1940, 1938, 1936, 1934, 1931, 1930, 1926, 1923, 1922
16701 VALLEY BLVD	2008, 2003, 2002, 1996, 1995, 1991, 1990, 1985, 1981, 1980, 1975, 1970, 1965, 1964, 1961, 1960, 1956, 1955, 1951, 1950, 1949, 1946, 1945, 1942, 1941, 1940, 1938, 1936, 1934, 1931, 1930, 1926, 1923, 1922
16711 VALLEY BLVD	2008, 2003, 2002, 1996, 1995, 1991, 1990, 1985, 1981, 1980, 1975, 1970, 1965, 1964, 1961, 1960, 1956, 1955, 1951, 1950, 1949, 1946, 1945, 1942, 1941, 1940, 1938, 1936, 1934, 1931, 1930, 1926, 1923, 1922
16711 VALLEY BLVD	2017, 2014, 2009, 2004, 1999, 1995, 1994, 1991, 1990, 1985, 1981, 1980, 1975, 1970, 1965, 1964, 1961, 1960, 1956, 1955, 1951, 1950, 1949, 1946, 1945, 1942, 1941, 1940, 1938, 1936, 1934, 1931, 1930, 1926, 1923, 1922
16716 WASHINGTON DR	2017, 2014, 2009, 2008, 2004, 2003, 2002, 1999, 1996, 1995, 1994, 1991, 1990, 1985, 1981, 1980, 1975, 1970, 1964, 1961, 1960, 1956, 1955, 1951, 1950, 1949, 1946, 1945, 1942, 1941, 1940, 1938, 1936, 1934, 1931, 1930, 1926, 1923, 1922
16718 VALLEY	2017, 2014, 2009, 2008, 2004, 2003, 2002, 1999, 1996, 1995, 1994, 1991, 1990, 1985, 1981, 1980, 1970, 1965, 1964, 1961, 1960, 1956, 1955, 1951, 1950, 1949, 1946, 1945, 1942, 1941, 1940, 1938, 1936, 1934, 1931, 1930, 1926, 1923, 1922
16718 VALLEY BLVD	2017, 2014, 2009, 2004, 1999, 1995, 1994, 1991, 1985, 1981, 1980, 1975, 1970, 1965, 1964, 1961, 1960, 1956, 1955, 1951, 1950, 1949, 1946, 1945, 1942, 1941, 1940, 1938, 1936, 1934, 1931, 1930, 1926, 1923, 1922
16718 VALLEY BLVD	2009, 2008, 2003, 2002, 1996, 1995, 1991, 1990, 1985, 1981, 1980, 1975, 1970, 1965, 1964, 1961, 1960, 1956, 1955, 1951, 1950, 1949, 1946, 1945, 1942, 1941, 1940, 1938, 1936, 1934, 1931, 1930, 1926, 1923, 1922
16721 VALLEY BLVD	2017, 2014, 2009, 2004, 1999, 1996, 1995, 1994, 1991, 1990, 1985, 1981, 1980, 1975, 1970, 1965, 1964, 1961, 1960, 1956, 1955, 1951, 1950, 1949, 1946, 1945, 1942, 1941, 1940, 1938, 1936, 1934, 1931, 1930, 1926, 1923, 1922
16721 VALLEY BLVD	2008, 2003, 2002, 1996, 1995, 1991, 1990, 1985, 1981, 1980, 1975, 1970, 1965, 1964, 1961, 1960, 1956, 1955, 1951, 1950, 1949, 1946, 1945, 1942, 1941, 1940, 1938, 1936, 1934, 1931, 1930, 1926, 1923, 1922
16737 VALLEY	2017, 2014, 2009, 2008, 2004, 2003, 2002, 1999, 1996, 1995, 1994, 1991, 1990, 1985, 1981, 1980, 1975, 1965, 1964, 1961, 1960, 1956, 1951, 1950, 1949, 1946, 1945, 1942, 1941, 1940, 1938, 1936, 1934, 1931, 1930, 1926, 1923, 1922
16737 VALLEY BLVD	2017, 2014, 2009, 2008, 2004, 2002, 1999, 1996, 1995, 1994, 1991, 1990, 1985, 1981, 1980, 1975, 1970, 1964, 1961, 1960, 1956, 1955, 1951, 1950, 1949, 1946, 1945, 1942, 1941, 1940, 1938, 1936, 1934, 1931, 1930, 1926, 1923, 1922
16741 VALLEY BLVD	2017, 2014, 2009, 2004, 2002, 1999, 1995, 1994, 1991, 1990, 1985, 1981, 1980, 1975, 1970, 1965, 1964, 1961, 1960, 1956, 1955, 1951, 1950, 1949, 1946, 1945, 1942, 1941, 1940, 1938, 1936, 1934, 1931, 1930, 1926, 1923, 1922
16741 VALLEY BLVD	2009, 2008, 2004, 2003, 2002, 1996, 1995, 1991, 1990, 1985, 1981, 1980, 1975, 1970, 1965, 1964, 1961, 1960, 1956, 1955, 1951, 1950, 1949, 1946, 1945, 1942, 1941, 1940, 1938, 1936, 1934, 1931, 1930, 1926, 1923, 1922
2 16718 VALLEY	2017, 2014, 2009, 2008, 2004, 2003, 2002, 1999, 1996, 1995, 1994, 1991, 1990, 1985, 1981, 1980, 1975, 1965, 1964, 1961, 1960, 1956, 1955, 1951, 1950, 1949, 1946, 1945, 1942, 1941, 1940, 1938, 1936, 1934, 1931, 1930, 1926, 1923, 1922

TARGET PROPERTY: ADDRESS NOT IDENTIFIED IN RESEARCH SOURCE

The following Target Property addresses were researched for this report, and the addresses were not identified in the research source.

Address Researched	Address Not Identified in Research Source
SW of The Intersection Juniper Ave and Valley Blvd	2017, 2014, 2009, 2008, 2004, 2003, 2002, 1999, 1996, 1995, 1994, 1991, 1990, 1985, 1981, 1980, 1975, 1970, 1965, 1964, 1961, 1960, 1956, 1955, 1951, 1950, 1949, 1946, 1945, 1942, 1941, 1940, 1938, 1936, 1934, 1931, 1930, 1926, 1923, 1922

APPENDIX G

GBA GEOENVIRONMENTAL REPORT

Important Information about This

Geoenvironmental Report

Geoenvironmental studies are commissioned to gain information about environmental conditions on and beneath the surface of a site. The more comprehensive the study, the more reliable the assessment is likely to be. But remember: Any such assessment is to a greater or lesser extent based on professional opinions about conditions that cannot be seen or tested. Accordingly, no matter how many data are developed, risks created by unanticipated conditions will always remain. *Have realistic expectations.* Work with your geoenvironmental consultant to manage known and unknown risks. Part of that process should already have been accomplished, through the risk allocation provisions you and your geoenvironmental professional discussed and included in your contract's general terms and conditions. This document is intended to explain some of the concepts that may be included in your agreement, and to pass along information and suggestions to help you manage your risk.

Beware of Change; Keep Your Geoenvironmental Professional Advised

The design of a geoenvironmental study considers a variety of factors that are subject to change. Changes can undermine the applicability of a report's findings, conclusions, and recommendations. *Advise your geoenvironmental professional about any changes you become aware of.* Geoenvironmental professionals cannot accept responsibility or liability for problems that occur because a report fails to consider conditions that did not exist when the study was designed. Ask your geoenvironmental professional about the types of changes you should be particularly alert to. Some of the most common include:

- modification of the proposed development or ownership group,
- sale or other property transfer,
- replacement of or additions to the financing entity,
- amendment of existing regulations or introduction of new ones, or
- changes in the use or condition of adjacent property.

Should you become aware of any change, *do not rely on a geoenvironmental report.* Advise your geoenvironmental professional immediately; follow the professional's advice.

Recognize the Impact of Time

A geoenvironmental professional's findings, recommendations, and conclusions cannot remain valid indefinitely. The more time that passes, the more likely it is that important latent changes will occur. *Do not rely on a geoenvironmental report if too much time has elapsed since it was completed.* Ask your environmental professional to define "too much time." In the case of Phase I Environmental Site Assessments (ESAs), for example, more than 180 days after submission is generally considered "too much."

Prepare To Deal with Unanticipated Conditions

The findings, recommendations, and conclusions of a Phase I ESA report typically are based on a review of historical information, interviews, a site "walkover," and other forms of noninvasive research. When site subsurface conditions are not sampled in any way, the risk of unanticipated conditions is higher than it would otherwise be.

While borings, installation of monitoring wells, and similar invasive test methods can help reduce the risk of unanticipated conditions, *do not overvalue the effectiveness of testing.* Testing provides information about actual conditions only at the precise locations where samples are taken, and only when they are taken. Your geoenvironmental

professional has applied that specific information to develop a general opinion about environmental conditions. *Actual conditions in areas not sampled may differ (sometimes sharply) from those predicted in a report.* For example, a site may contain an unregistered underground storage tank that shows no surface trace of its existence. *Even conditions in areas that were tested can change*, sometimes suddenly, due to any number of events, not the least of which include occurrences at adjacent sites. Recognize, too, that *even some conditions in tested areas may go undiscovered,* because the tests or analytical methods used were designed to detect only those conditions assumed to exist.

Manage your risks by retaining your geoenvironmental professional to work with you as the project proceeds. Establish a contingency fund or other means to enable your geoenvironmental professional to respond rapidly, in order to limit the impact of unforeseen conditions. And to help prevent any misunderstanding, identify those empowered to authorize changes and the administrative procedures that should be followed.

Do Not Permit Any Other Party To Rely on the Report

Geoenvironmental professionals design their studies and prepare their reports to meet the specific needs of the clients who retain them, in light of the risk management methods that the client and geoenvironmental professional agree to, and the statutory, regulatory, or other requirements that apply. The study designed for a developer may differ sharply from one designed for a lender, insurer, public agency...or even another developer. *Unless the report specifically states otherwise, it was developed for you and only you.* Do not unilaterally permit any other party to rely on it. The report and the study underlying it may not be adequate for another party's needs, and you could be held liable for shortcomings your geoenvironmental professional was powerless to prevent or anticipate. Inform your geoenvironmental professional when you know or expect that someone else—a third-party—will want to use or rely on the report. *Do not permit third-party use or reliance until you first confer with the geoenvironmental professional who prepared the report.* Additional testing, analysis, or study may be required and, in any event, appropriate terms and conditions should be agreed to so both you and your geoenvironmental professional are protected from third-party risks. *Any party who relies on a geoenvironmental report without the express written permission of the professional who prepared it and the client for whom it was prepared may be solely liable for any problems that arise.*

Avoid Misinterpretation of the Report

Design professionals and other parties may want to rely on the report in developing plans and specifications. They need to be advised, in writing, that their needs may not have been considered when the study's scope was developed, and, even if their needs were considered, they might misinterpret geoenvironmental findings, conclusions, and recommendations. *Commission your geoenvironmental professional to explain pertinent elements of the report to others who are permitted to rely on it, and to review any plans, specifications or other instruments of professional service that incorporate any of the report's findings, conclusions, or recommendations.* Your geoenvironmental professional has the best understanding of the issues involved, including the fundamental assumptions that underpinned the study's scope.

Give Contractors Access to the Report

Reduce the risk of delays, claims, and disputes by giving contractors access to the full report, *providing that it is accompanied by a letter of transmittal that can protect you* by making it unquestionably clear that: 1) the study was not conducted and the report was not prepared for purposes of bid development, and 2) the findings, conclusions, and recommendations included in the report are based on a variety of opinions, inferences, and assumptions and are subject to interpretation. Use the letter to also advise contractors to consult with your geoenvironmental professional to obtain clarifications, interpretations, and guidance (a fee may be required for this service), and that—in any event—they should conduct additional studies to obtain the specific type and extent of information each prefers for preparing a bid or cost estimate. Providing access to the full report, with the appropriate caveats, helps prevent formation of adversarial attitudes and claims of concealed or differing conditions. If a contractor elects to ignore the warnings and advice in the letter of transmittal, it would do so at its own risk. Your geoenvironmental professional should be able to help you prepare an effective letter.

Do Not Separate Documentation from the Report

Geoenvironmental reports often include supplemental documentation, such as maps and copies of regulatory files, permits, registrations, citations, and correspondence with regulatory agencies. If subsurface explorations were performed, the report may contain final boring logs and copies of laboratory data. If remediation activities occurred on site, the report may include: copies of daily field reports; waste manifests; and information about the disturbance of subsurface materials, the type and thickness of any fill placed on site, and fill placement practices, among other types of documentation. *Do not separate supplemental documentation from the report. Do not, and do not permit any other party to redraw or modify any of the supplemental documentation for incorporation into other professionals' instruments of service.*

Understand the Role of Standards

Unless they are incorporated into statutes or regulations, standard practices and standard guides developed by the American Society for Testing and Materials (ASTM) and other recognized standards-developing organizations (SDOs) are little more than aspirational methods agreed to by a consensus of a committee. The committees that develop standards may not comprise those best-qualified to establish methods and, no matter what, no standard method can possibly consider the infinite client- and project-specific variables that fly in the face of the theoretical "standard conditions" to which standard practices and standard guides apply. In fact, these variables can be so pronounced that geoenvironmental professionals who comply with every directive of an ASTM or other standard procedure could run afoul of local custom and practice, thus violating the standard of care. Accordingly, when geoenvironmental professionals indicate in their reports that they have performed a service "in general compliance" with one standard or another, it means they have applied professional judgement in creating and implementing a scope of service designed for the specific client and project involved, and which follows some of the general precepts laid out in the referenced standard. To the extent that a report indicates "general compliance" with a standard, you may wish to speak with your geoenvironmental professional to learn more about what was and was not done. *Do not assume a given standard was followed to the letter.* Research indicates that that seldom is the case.

Realize That Recommendations May Not Be Final

The technical recommendations included in a geoenvironmental report are based on assumptions about actual conditions, and so are preliminary or tentative. Final recommendations can be prepared only by observing actual conditions as they are exposed. For that reason, you should retain the geoenvironmental professional of record to observe construction and/or remediation activities on site, to permit rapid response to unanticipated conditions. *The geoenvironmental professional who prepared the report cannot assume responsibility or liability for the report's recommendations if that professional is not retained to observe relevant site operations.*

Understand That Geotechnical Issues Have Not Been Addressed

Unless geotechnical engineering was specifically included in the scope of professional service, a report is not likely to relate any findings, conclusions, or recommendations about the suitability of subsurface materials for construction purposes, especially when site remediation has been accomplished through the removal, replacement, encapsulation, or chemical treatment of on-site soils. The equipment, techniques, and testing used by geotechnical engineers differ markedly from those used by geoenvironmental professionals; their education, training, and experience are also significantly different. If you plan to build on the subject site, but have not yet had a geotechnical engineering study conducted, your geoenvironmental professional should be able to provide guidance about the next steps you should take. The same firm may provide the services you need.

Read Responsibility Provisions Closely

Geoenvironmental studies cannot be exact; they are based on professional judgement and opinion. Nonetheless, some clients, contractors, and others assume geoenvironmental reports are or certainly should be unerringly precise. Such assumptions have created unrealistic expectations that have led to wholly unwarranted claims and disputes. To help prevent such problems, geoenvironmental professionals have developed a number of report provisions and contract terms that explain who is responsible for what, and how risks are to be allocated. Some people mistake these for "exculpatory clauses," that is, provisions whose purpose is to transfer one party's rightful responsibilities and liabilities to someone else. Read the responsibility provisions included in a report and in the contract you and your geoenvironmental professional agreed to. *Responsibility provisions are not "boilerplate."* They are important.

Rely on Your Geoenvironmental Professional for Additional Assistance

Membership in the Geoprofessional Business Association exposes geoenvironmental professionals to a wide array of risk management techniques that can be of genuine benefit for everyone involved with a geoenvironmental project. Confer with your GBA-member geoenvironmental professional for more information.

GEOPROFESSIONAL BUSINESS ASSOCIATION

8811 Colesville Road/Suite G106, Silver Spring, MD 20910
Telephone: 301/565-2733 Facsimile: 301/589-2017
e-mail: info@geoprofessional.org www.geoprofessional.org

Copyright 2015 by the Geoprofessional Business Association (GBA). Duplication, reproduction, copying, or storage of this document, in whole or in part, by any means whatsoever, is strictly prohibited, except with GBA's specific written permission. Excerpting, quoting, or otherwise extracting wording from this document is permitted only with the express written permission of GBA, and only for purposes of scholarly research or book review. Only GBA-Member Firms may use this document as a complement to or as an element of a geoenvironmental report. Any other firm, individual, or entity that so uses this document without being a GBA-Member Firm could be committing negligent or intentional (fraudulent) misrepresentation.

Appendix F-2
Limited Phase II ESA

LIMITED PHASE II ENVIRONMENTAL SITE ASSESSMENT PROPOSED FONTANA RESIDENTIAL DEVELOPMENT, SOUTHWEST OF THE INTERSECTION OF JUNIPER AVENUE AND VALLEY BOULEVARD, FONTANA, CALIFORNIA

Prepared For: **JPI REAL ESTATE ACQUISITION, INC.**
11988 El Camino Real, Suite 200
San Diego, California 92130

Prepared By: **LEIGHTON AND ASSOCIATES, INC.**
10532 Acacia Street, Suite B-6
Rancho Cucamonga, California 91730

Project No. 13584.002

July 14, 2022

July 14, 2022

Project No. 13584.002

JPI Real Estate Acquisition, Inc.
11988 El Camino Real, Suite 200
San Diego, California 92130

Attention: Mr. Jay Adamowitz

Subject: **Limited Phase II Environmental Site Assessment**
Proposed Fontana Residential Development
Southwest of the Intersection of Juniper Avenue and Valley Boulevard
Fontana, California

INTRODUCTION

Leighton and Associates, Inc. (Leighton) presents this report summarizing the results of a Limited Phase II Environmental Site Assessment (ESA) conducted at the proposed Fontana residential development, located southwest of the intersection of Juniper Avenue and Valley Boulevard, Fontana, California, herein referred to as the Site (see Site Location Map – **Figure 1**). The San Bernardino County Assessor's Office identifies the Site as Assessor Parcel Numbers (APNs) 0251-321-35; 0251-321-17, -18, -19, -20, -21, -22, -23, -24, -25, -26, and -27; and 0251-171-19.

SCOPE AND BACKGROUND

The scope of the Phase II ESA was based on findings and recommendations in our Phase I ESA, dated July 6, 2022 (Leighton, 2022). Key findings and recommendations presented in the draft Phase I ESA included the following:

- Former Agricultural Usage: Based on historical Site usage for agriculture, the presence of residual organochlorine pesticides (OCPs) and metals are an environmental concern for future residential use. Soil sampling for OCPs and arsenic is recommended throughout the Site to assess for residual impacts from former agriculture use on the Site.

- Tar Container: A container filled with what appeared to be a tar-like material was observed dumped in the east of center portion of the Site. While some of this tar-like material appeared to have spilled outside of the container, there was no noticeable staining in the underlying soil. This condition is considered a REC and soil sampling is recommended beneath the container to assess for total petroleum hydrocarbons (TPH) and semi-volatile organic compounds (SVOCs). The tar/container

itself may not be a REC; however, its proper disposal is an environmental liability, and its removal from the Site is recommended.

- Soil Stockpile: A soil pile mixed with demolition debris (i.e. concrete and asphalt fragments) was observed east of center. Dumped soil from an unknown source is considered a REC, and a soil sample is recommended to assess for potential contaminants such as TPH, metals, OCPs, and SVOCs.

- Soil Staining: Stained soil was observed in the northwestern and southeastern portions of the Site. These are considered a REC, and soil sampling is recommended to assess for potential contaminants such as TPH, metals, OCPs, and SVOCs.

OBJECTIVES

The objectives of this limited Phase II ESA were as follows:

- To investigate the shallow soil at the Site for residual pesticides such as arsenic and OCPs;
- To investigate the soil beneath the tar container for TPH and SVOCs;
- To investigate the soil and debris stockpile on eastern portion of the Site for TPH, Title 22 Metals, OCPs and SVOCs; and
- To investigate the soil staining on the northwestern and southeastern portions of the Site for TPH, Title 22 metals, OCPs, and SVOCs.

PRE-FIELD ACTIVITIES

A site-specific Health and Safety Plan (HSP) was prepared for work performed at the Site. The HSP was prepared in compliance with the Occupational Safety and Health Administration (OSHA) regulation 29 CFR 1910.120. The document was kept onsite at all times during the field activities. Onsite personnel signed the HSP acknowledging acceptance.

Underground Service Alert (USA) was contacted at least 72 hours prior to the commencement of fieldwork to mark for underground utility locations. The proposed sampling areas were marked in white paint prior to contacting USA.

FIELD ACTIVITIES

On June 24, 2022, Leighton staff mobilized to the Site to perform soil sampling activities. All samples were collected using a hand auger with the exception of the soil and debris stockpile which was obtained using a stainless steel hand trowel.

Sampling for Residual Pesticides

Six hand auger borings (HA1 through HA6) were advanced to 1.5 feet bgs across the Site to investigate for soil impacts related to former agricultural use (**Figure 2)**. Soil samples were collected at depths of approximately 0.5 and 1.5 feet below ground surface (bgs) at each location. Soil samples were collected from the tip of the hand auger and retained in laboratory-supplied 4-ounce glass jars with Teflon®-lined lids.

Sampling Beneath the Tar Container

One hand auger boring (TR1) was advanced to 1.5 feet bgs adjacent to the tar container in the east of center portion of the Site (**Figure 2**). Soil samples were collected at depths of approximately 0.5 and 1.5 feet bgs. Soil samples were collected from the tip of the hand auger and retained in laboratory-supplied 4-ounce glass jars with Teflon®-lined lids.

Stockpile Sample

One soil stockpile sample (SP1) was collected from the small soil and construction debris stockpile on the central-eastern portion of the Site (**Figure 2**). The sample was collected from approximately 6 inches below the surface of the stockpile. The soil sample was collected in a laboratory-supplied 4-ounce glass jar with a Teflon®-lined lid. The soil stockpile sampling location is shown on **Figure 2**.

Stained Soil Samples

Two hand auger borings (SS1 and SS2) were advanced to 2.0 feet bgs in areas of stained soil on the northwestern and southeastern corners of the Site (**Figure 2**). Soil samples were collected at depths of approximately 0.5 and 2.0 feet bgs. Soil samples were collected from the tip of the hand auger and retained in laboratory-supplied 4-ounce glass jars with Teflon®-lined lids.

General Sampling Procedures

All soil sample containers were clearly marked with sample identification number, date, and time of collection, and placed in an ice-cooled chest for temporary storage. Samples were transported under chain of custody protocols to Enviro-Chem Laboratories, Inc. (Enviro-Chem) in Pomona, California for analyses. Enviro-Chem has California Environmental Laboratory Accreditation Program (ELAP) certifications for the analyses completed.

All sampling equipment was decontaminated between samples by washing in a solution of non-phosphate detergent and water, rinsing with potable water, and a final rinsing with distilled water.

ANALYTICAL METHODS – SOIL SAMPLES

Soil samples collected for residual pesticides were analyzed for the following constituents:

- Arsenic by EPA Method 6010B; and

- OCPs by EPA Method 8081A.

Soil samples collected from beneath the tar container were analyzed for the following constituents:

- TPH by EPA Method 8015M; and
- SVOCs by EPA Method 8270C.

The soil sample collected from the soil and construction debris stockpile was analyzed for the following constituents:

- Title 22 Metals by EPA Methods 6010B and 7471A;
- OCPs by EPA Method 8081A;
- TPH by EPA Method 8015M; and
- SVOCs by EPA Method 8270C.

Soil samples collected from the stained soil areas were analyzed for the following constituents:

- Title 22 Metals by EPA Methods 6010B and 7471A;
- OCPs by EPA Method 8081A;
- TPH by EPA Method 8015M; and
- SVOCs by EPA Method 8270C.

ANALYTICAL RESULTS

Soil sample analytical results are summarized on **Tables 1 through 3**. The laboratory analytical reports are included in **Appendix B**. The results indicate the following:

- Title 22 Metals – Title 22 metals were not reported at concentrations exceeding the US EPA Residential Screening Levels (US EPA RSLs) or DTSC Modified Screening Levels (DTSC-Modified SLs) for residential land use, with the exception of arsenic. However, arsenic concentrations were all below the more appropriately applied DTSC Human Health Risk Assessment (HHRA) Note 11 Southern California Ambient Arsenic Screening Level of 12 milligrams per kilogram (mg/kg) (DTSC, 2020b) (**Table 3**).
- OCPs – OCPs were not reported at concentrations exceeding the residential US EPA RSLs or DTSC-Modified SLs (**Table 1**).
- TPH – Gasoline-range TPH was not reported in any of the samples analyzed. Diesel-range TPH, exceeding the residential US EPA RSLs and DTSC-Modified SLs, was reported in surficial soil samples SS1-0.5 and SS2-0.5. Oil-range TPH, exceeding the residential US EPA RSLs and DTSC-Modified SLs, was also reported in sample SS2-0.5. All of above-mentioned samples are underlain by a deeper 2.0 foot bgs sample reported to contain no detected TPH (gasoline, diesel or oil range), indicating shallow soil impacts (i.e. between 0.5 and 2.0 feet bgs) in these sampled areas. Other reported detections of TPH were all below US EPA RSLs or DTSC-Modified SLs (**Table 2**).

- SVOCs – SVOCs were not reported at concentrations exceeding the laboratory method detection limits in any of the soil samples analyzed (**Table 2**).

CONCLUSIONS

Former Agricultural Usage: Based on the analytical results of the samples collected in the former agricultural areas of the Site (HA1-0.5 through HA6-0.5), the Site does not appear to have been impacted with OCPs or arsenic at concentrations exceeding residential soil screening levels.

Tar Container: Based on the analytical results of the sample collected near the tar container (TR1-0.5), the underlying soil does not appear to have been impacted with TPH or SVOCs as a result the presence of, or a release from, the tar container.

Stockpiled Soils: Based on the analytical results of the sample collected from the soil stockpile (SP1), the stockpiled soils do not appear to be impacted with Title 22 metals, OCPs, SVOCs, or TPH exceeding residential soil screening levels.

Soil Staining: Diesel-range TPH impacts exceeding US EPA RSLs and DTSC-Modified SLs for residential land use were reported in samples collected from the northwestern (SS1-0.5) and southeastern (SS2-0.5) areas of soil staining. Additionally, the sample from the southeastern stained area also contained oil-range TPH in excess of the US EPA RSLs and the DTSC-Modified SLs for residential land use. TPH was not detected in the underlying deeper soil samples from approximately 2.0 feet, indicating shallow soil impacts (i.e. between 0.5 and 2.0 feet bgs) in these sampled areas. No SVOCs were reported in samples of the stained soil.

The areas of stained soil are each 10 feet by 10 feet or less.

RECOMMENDATIONS

Based on the results of this Phase II ESA, Leighton recommends the following actions be taken prior to Site development:

- The tar container and its contents should be removed by a licensed hazardous materials disposal contractor, and disposed of in accordance with applicable regulations;

- The visually stained soils on the northwestern and southeastern portions of the Site should be remediated. The most feasible method is excavation and off-site disposal. Additional waste characterization testing of the TPH-impacted soil may be required by the disposal facility prior to acceptance.

In general, as with all sites, observations should be made during future development activities for features of concern or areas of possible contamination such as, but not limited to, the presence of underground facilities, buried debris, waste drums, tanks, soil staining or odorous soils. Further investigation and analysis may be necessary, should such materials be encountered during grading and/or construction activities.

Should you have any questions regarding this report, please contact the undersigned at (909) 527-8782.

Respectfully submitted,

LEIGHTON AND ASSOCIATES, INC.

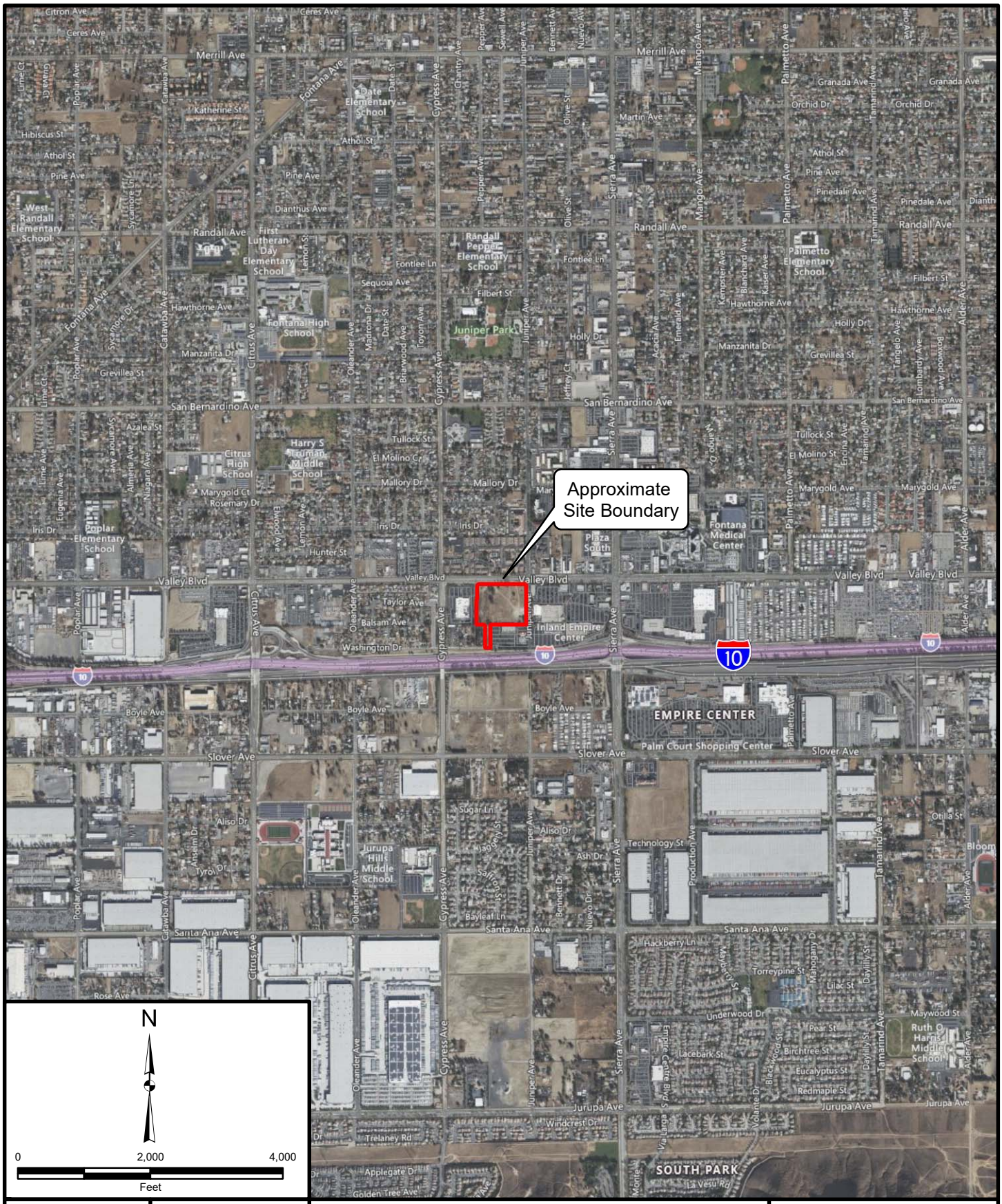
James P. Cunneen JD, PE
Managing Director / Principal Engineer

Tracy Roberts
Staff Geologist

TMR/JPC/rsm

Attachments: Figure 1 - Site Location Map
Figure 2 - Sample Location Map
Table 1 - Summary of OCPs in Soils
Table 2 - Summary of TPH, and SVOCs in Soil
Table 3 - Summary of Title 22 Metals in Soil
Appendix A - References
Appendix B - Laboratory Reports and Chain of Custody Documentation
Appendix C - GBA Important Information About Geoenvironmental Reports

Distribution: Addressee



Project: 13584.002	Eng/Geol: RBH
Scale:1 " = 2,000 '	Date: July 2022

Reference: © 2022 Microsoft Corporation © 2022 Maxar ©CNES (2022) Distribution Airbus

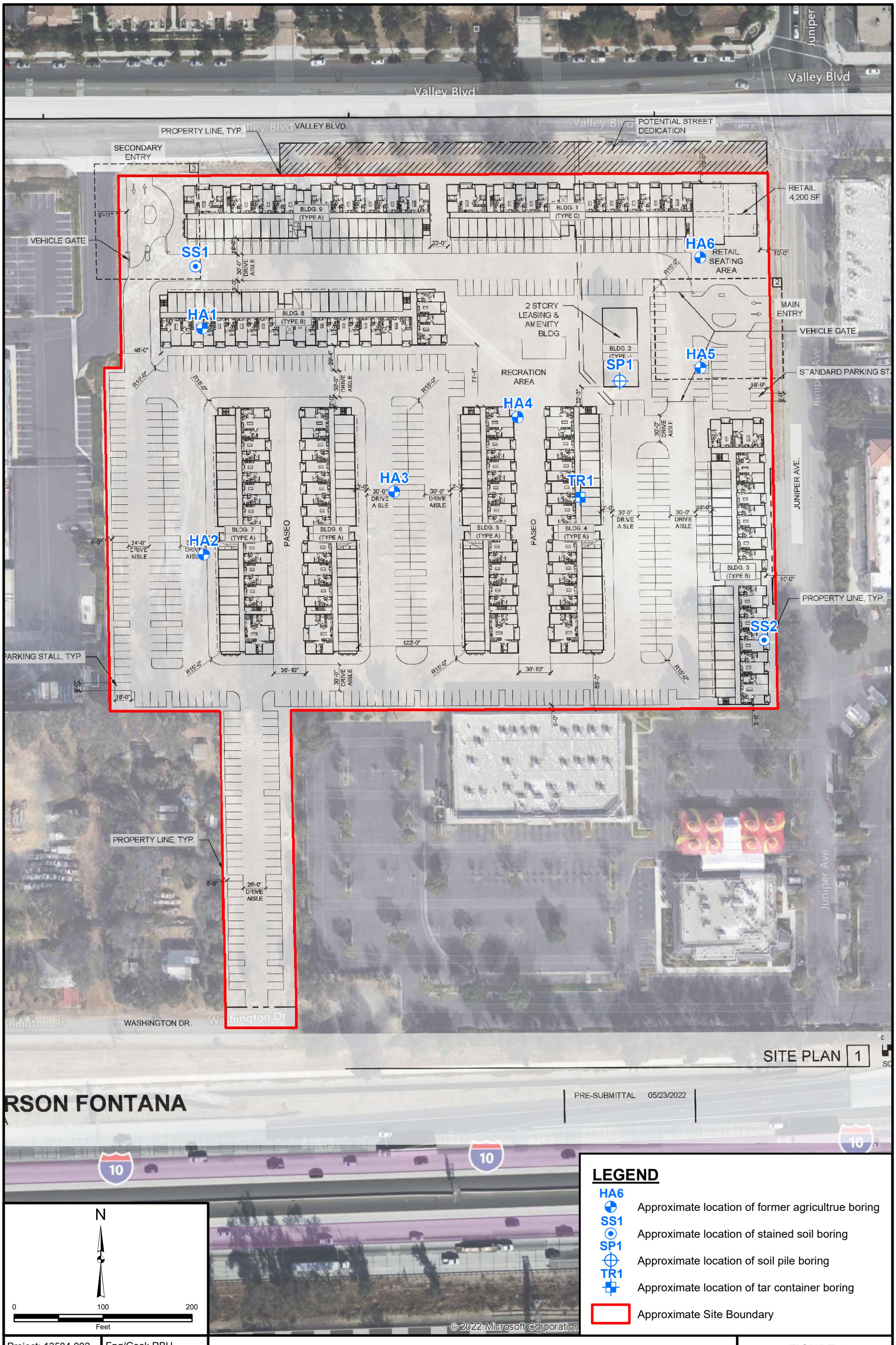
SITE LOCATION MAP

Proposed Fontana Mixed-use Residential Development Southwest of the Intersection of Juniper Avenue and Valley Boulevard Fontana, California

FIGURE 1

Leighton

Map Saved as J:\Drafting\13584\002\Maps\13584-002_F01_SLM_2022-07-07.mxd on 7/7/2022 10:50:28 AM Author: KVM (btran)



N

0 100 200

Feet

LEGEND

- HA6 — Approximate location of former agricultrue boring
- SS1 — Approximate location of stained soil boring
- SP1 — Approximate location of soil pile boring
- TR1 — Approximate location of tar container boring
- Approximate Site Boundary

Project: 13584.002	Eng/Geol: RBH
Scale: 1 " = 100 '	Date: July 2022

Base Map: Site Plan, Sheet A1.0, dated 05/23/2022 by Architecture Design Collaborative (ADC)

Author: (btran)

SAMPLE LOCATION MAP

Proposed Fontana Mixed-use Residential Development Southwest of the Intersection of Juniper Avenue and Valley Boulevard Fontana, California

FIGURE 2

Leighton

Map Saved as J:\Drafting\13584\002\Maps\13584-002_F02_SP_2022-07-07.mxd on 7/7/2022 5:08:19 PM

Table 1
Summary of OCPs in Soil
Proposed Jefferson Fontana Mixed Use Residential Development
Fontana, California

Sample ID Number	Depth (ft bgs)	Date Sampled	alpha-Chlordane	gamma-Chlordane	Technical Chlordane	4,4'- DDE	All Other OCPs (mg/kg)	Dilution Factor
Samples for Stained Soil								
SS1-0.5	0.0-0.5	6/24/2022	ND>0.0020	ND>0.0010	ND>0.0050	ND>0.0030	ND>0.0010 - 0.1000	10
SS1-2.0	1.5-2.0	6/24/2022	-	-	-	-	-	
SS2-0.5	0.0-0.5	6/24/2022	ND>0.0002	ND>0.0001	ND>0.0005	0.003	ND>0.0001 - 0.0100	1
SS2-2.0	1.5-2.0	6/24/2022	-	-	-	-	-	-
Stockpile Sample								
SP1	N/A	6/24/2022	0.014	0.004	0.031	0.005	ND>0.0001 - 0.0100	1
Samples for Residual Pesticides								
HA1-0.5	0.0-0.5	6/24/2022	ND>0.0002	ND>0.0001	ND>0.0005	ND>0.0003	ND>0.0001 - 0.0100	1
HA1-1.5	1.0-1.5	6/24/2022	-	-	-	-	-	-
HA2-0.5	0.0-0.5	6/24/2022	0.001	0.0006J	0.004J	ND>0.0003	ND>0.0001 - 0.0100	1
HA2-1.5	1.0-1.5	6/24/2022	-	-	-	-	-	-
HA3-0.5	0.0-0.5	6/24/2022	ND>0.0002	ND>0.0001	ND>0.0005	ND>0.0003	ND>0.0001 - 0.0100	1
HA3-1.5	1.0-1.5	6/24/2022	-	-	-	-	-	-
HA4-0.5	0.0-0.5	6/24/2022	ND>0.0002	ND>0.0001	ND>0.0005	ND>0.0003	ND>0.0001 - 0.0100	1
HA4-1.5	1.0-1.5	6/24/2022	-	-	-	-	-	-
HA5-0.5	0.0-0.5	6/24/2022	0.036	0.011	0.106	0.035	ND>0.0010 - 0.1000	10
HA5-1.5	1.0-1.5	6/24/2022	-	-	-	-	-	-
HA6-0.5	0.0-0.5	6/24/2022	0.006	0.002	0.020	0.011	ND>0.0002 - 0.0200	2
HA6-1.5	1.0-1.5	6/24/2022	-	-	-	-	-	-
US EPA Residential RSLs			36	36	1.7	2	Various	-
DTSC Modified Residential SLs			NL	NL	1.7	2	Various	-

Notes:
All samples analyzed by US EPA Method 8081A
ft bgs = feet below ground surface
mg/kg = milligrams per kilogram
<0.0001 = concentration is less thanthe specified laboratory method detection limit
NL = Screening level not listed
US EPA Residential RSL = United States Environmental Protection Agency Residential Regional Screening Level (November 2021)
DTSC Modified Residential SLs = Department of Toxic Substances Control Human Health Risk Assessment Note 3 Screening Levels for residential land use (June 2020)
- =Not Analyzed

Table 2
Summary of TPH and SVOCs in Soil
Proposed Jefferson Fontana Mixed Use Residential Development
Fontana, California

Sample ID Number	Depth (ft bgs)	Date Sampled	TPH C4-C10 (mg/kg)	TPH C10-C28 (mg/kg)	TPH C28-C35 (mg/kg)	Dilution Factor	SVOCs (mg/kg)	Dilution Factor
Samples for Stained Soil								
SS1-0.5	0-0.5	6/24/2022	ND>10	138	196	2	ALL ND>0.028-0..774	2
SS1-2.0	1.5-2.0	6/24/2022	ND>5	ND>5	ND>25	1	-	-
SS2-0.5	0-0.5	6/24/2022	ND>250	1,550	15,800	50	ALL ND>0.028-0.774	2
SS2-2.0	1.5-2.0	6/24/2022	ND>5	ND>5	ND>25	1	-	-
Samples for Tar-Like Container								
TR1-0.5	0.0-0.5	6/24/2022	ND>5	17.1	71.7	1	ALL ND>0.028-0.314	2
TR1-1.5	1.0-1.5	6/24/2022	-	-	-	-	-	-
Stockpile Sample								
SP1	0.0-0.5	6/24/2022	ND>5	10.2	124	1	ALL ND>0.028-0.314	2
US EPA Residential RSLs			82	96	2400	-	Various	-
DTSC Modified Residential SLs			NL	97	2400	-	Various	-

Notes:
All TPH sample analyses performed using US EPA Method 8015M
All SVOC sample analyses performed using US EPA Method 8270C
ft bgs = feet below ground surface
mg/kg = milligrams per kilogram
<0.014 = concentration is less than the specified laboratory method detection limit
NL = Screening level not listed
US EPA Residential RSL = United States Environmental Protection Agency Residential Regional Screening Level (November 2021)
SVOCs = Semi-Volatile organic compounds
TPH = Total petroleum hydrocarbons
DTSC Modified Residential SLs = Department of Toxic Substances Control Human Health Risk Assessment Note 3 Screening Levels for residential land use (June 2020)
- = Not Analyzed
Detection above Screening Level

Table 3
Summary of Title 22 Metals in Soil
Proposed Jefferson Fontana Mixed Use Residential Development
Fontana, California

Sample ID Number	Depth (ft bgs)	Date Sampled	Antimony (mg/kg)	Arsenic (mg/kg)	Barium (mg/kg)	Beryllium (mg/kg)	Cadmium (mg/kg)	Total Chromium (mg/kg)	Cobalt (mg/kg)	Copper (mg/kg)	Lead (mg/kg)	Mercury (mg/kg)	Molybdenum (mg/kg)	Nickel (mg/kg)	Selenium (mg/kg)	Silver (mg/kg)	Thallium (mg/kg)	Vanadium (mg/kg)	Zinc (mg/kg)	Dilution Factor
Samples for Stained Soil																				
SS1-0.5	0-0.5	6/24/2022	<0.250	5.75	43.2	<0.180	<0.119	31.0	7.51	10.5	7.34	<0.0062	<0.274	5.66	<0.234	<0.414	<0.432	29.8	37.4	1
SS1-2.0	1.5-2.0	6/24/2022	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SS2-0.5	0-0.5	6/24/2022	<0.250	3.62	41.8	<0.180	<0.119	32.2	7.02	11.6	13.6	0.021	<0.274	6.22	<0.234	<0.414	<0.432	28.9	59.8	1
SS2-2.0	1.5-2.0	6/24/2022	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Stockpile Sample																				
SP1	0.0-0.5	6/24/2022	<0.250	6.79	49.0	<0.180	0.596	36.2	8.15	15.1	26.5	0.027	<0.274	7.68	<0.234	<0.414	<0.432	32.5	102	1
Samples for Residual Pesticides																				
HA1-0.5	0.0-0.5	6/24/2022	-	3.48	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
HA1-1.5	1.0-1.5	6/24/2022	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
HA2-0.5	0.0-0.5	6/24/2022	-	3.86	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
HA2-1.5	1.0-1.5	6/24/2022	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
HA3-0.5	0.0-0.5	6/24/2022	-	3.77	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
HA3-1.5	1.0-1.5	6/24/2022	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
HA4-0.5	0.0-0.5	6/24/2022	-	4.04	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
HA4-1.5	1.0-1.5	6/24/2022	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
HA5-0.5	0.0-0.5	6/24/2022	-	4.17	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
HA5-1.5	1.0-1.5	6/24/2022	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
HA6-0.5	0.0-0.5	6/24/2022	-	4.98	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
HA6-1.5	1.0-1.5	6/24/2022	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
US EPA Residential RSLs			31	0.68	15,000	160	7.1	120,000	23	3,100	400	11	390	1,500	390	390	0.78	390	23,000	-
DTSC Modified Residential SLs			NL	0.11	NL	16	71	NL	NL	NL	80	1	NL	820	NL	NL	NL	NL	NL	-
DTSC Ambient As Screening Level			-	12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Notes:
All samples analyzed by US EPA Method 6010B, mercury analyses were performed using US EPA Method 7471A
ft bgs = feet below ground surface
mg/kg = milligrams per kilograms
<0.274 = concentration is less than laboratory method detection limit of 0.274 mg/kg
NL = Screening level not listed
US EPA Residential RSL = United States Environmental Protection Agency Residential Regional Screening Level (November 2021)
DTSC Modified Residential SLs = Department of Toxic Substances Control Human Health Risk Assessment Note 3 Screening Levels for residential land use (June 2020)
DTSC Ambient As Screening Level = Department of Toxic Substances Control Human Health Risk Assessment Note 11 Ambient Arsenic Screening Level (December 2020)
- = Not analyzed

APPENDIX A

REFERENCES

APPENDIX A

References

DTSC, 2022, Human Health Risk Assessment Note 3 DTSC-Modified Screening Levels, dated May 2022.

DTSC, 2020, Human Health Risk Assessment Note 11 Southern California Ambient Arsenic Screening Levels, dated December 2020.

Leighton and Associates, Inc., 2022, Draft Phase I Environmental Site Assessment Jefferson Fontana Residential Development, Southwest of the Intersection of Jurupa Avenue and Valley Boulevard Fontana, California, Project No. 13584001, dated July 6, 2022.

US EPA (United States Environmental Protection Agency), 2021, Regional Screening Levels (RSLs) Summary Table, http://www.epa.gov/reg3hwmd/risk/human/rb-concentration_table/Generic_Tables/docs/master_sl_table_run_MAY2014.pdf, November 2021.

APPENDIX B

Laboratory Analytical Reports and Chain of Custody Documentation

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

Date: July 1, 2022

Mr. Robert Hansen
Leighton & Associates, Inc.
10532 Acacia, Suite B-6
Rancho Cucamonga, CA 91730
Tel:(909)202-1662 E-Mail: RHansen@LeightonGroup.com

Project: **Proposed Jefferson Fontana Mixed Use Residential Development**
Project No.: **13584.002**
Lab I.D.: **220624-24 through -42**

Dear Mr. Hansen:

The **analytical results** for the soil samples, received by our lab on June 24, 2022, are attached. The samples were received chilled, intact and with chain of custody record.

Trace concentrations between the MDL and the PQL have been reported with a "J" flag indicator.

Enviro-Chem appreciates the opportunity to provide you and your company this and other services. Please do not hesitate to call us if you have any questions.

Sincerely,

Curtis Desilets
Vice President

Pearl Wong
Quality Manager

This data package has been reviewed for technical correctness and completeness. Release of this data has been authorized by the Laboratory Manager or Manager's Designee, as verified by the above signature which applies to this PDF File as well as any associated electronic data deliverable files. The results contained in this report meet all requirements of ELAP and pertain only to those samples which were submitted for analysis. This report may be reproduced only in its entirety.

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

CUSTOMER: Leighton & Associates, Inc.
10532 Acacia, Suite B-6, Rancho Cucamonga, CA 91730
Tel:(909)202-1662 E-Mail: RHansen@LeightonGroup.com

PROJECT: Proposed Jefferson Fontana Mixed Use Residential Development
PROJECT NO.: 13584.002

MATRIX:SOIL
SAMPLING DATE:06/24/22
REPORT TO:Mr. ROBERT HANSEN

DATE RECEIVED:06/24/22
DATE EXTRACTED:06/27/22
DATE ANALYZED:06/27/22
DATE REPORTED:07/01/22

TOTAL PETROLEUM HYDROCARBONS(TPH) - CARBON CHAIN ANALYSIS
METHOD: EPA 8015B
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

SAMPLE I.D.	LAB I.D.	C4-C10	C10-C28	C28-C35	DF
SS1-0.5'	220624-36	ND	138 *	196	2
SS2-0.5'	220624-38	ND	1550 *	15800	50
TR1-0.5'	220624-40	ND	17.1 *	71.7	1
SP1	220624-42	ND	10.2 *	124	1
METHOD BLANK		ND	ND	ND	1
	MDL	5	5	25	
	PQL	10	10	50	

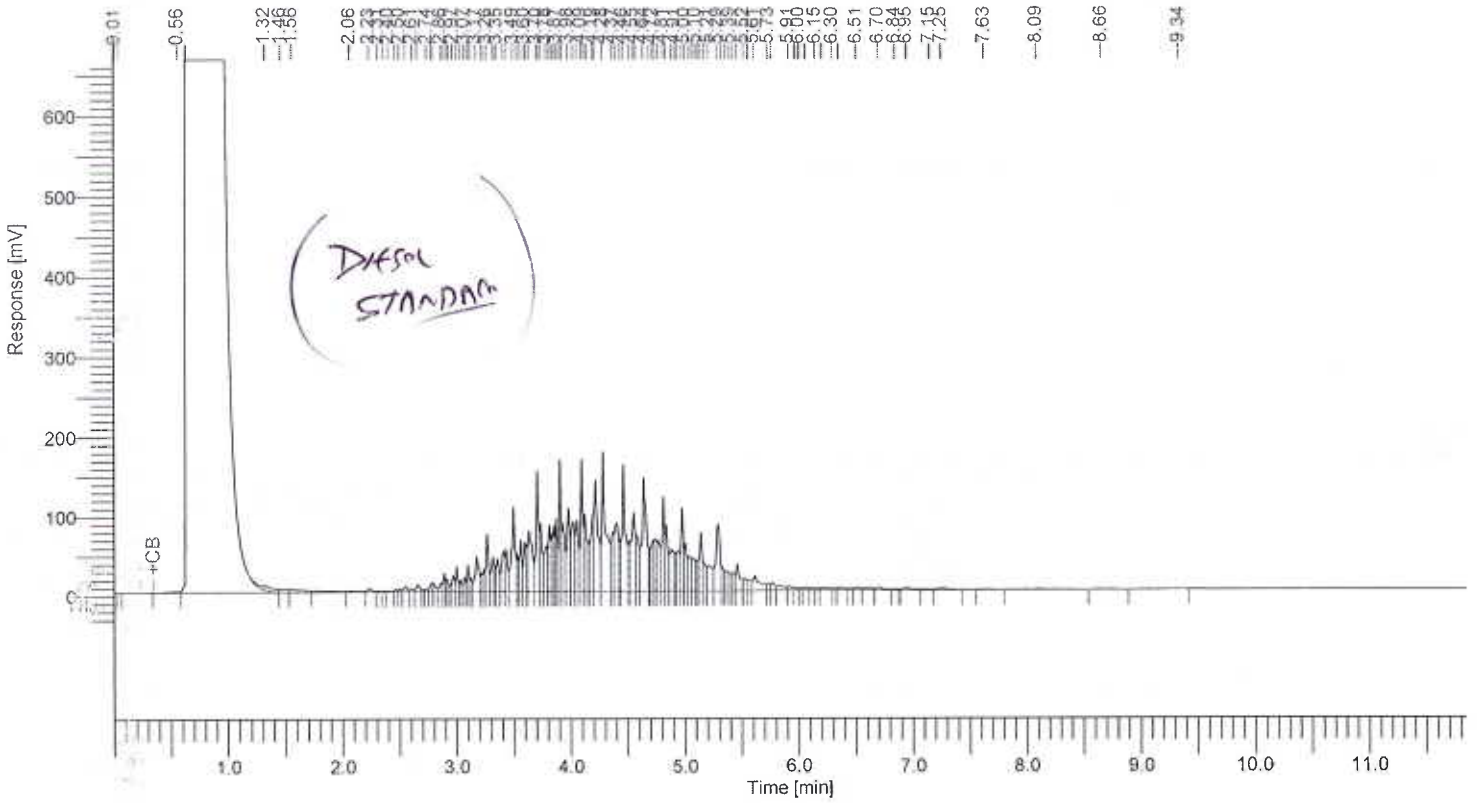
COMMENTS
C4-C10 = GASOLINE RANGE
C10-C28 = DIESEL RANGE
C28-C35 = MOTOR OIL RANGE
DF = DILUTION FACTOR
MDL = Method Detection Limit
PQL = Practical Quantitation Limit
J = Trace Concentration between MDL and PQL
ACTUAL DETECTION LIMIT = DF X PQL
ND = NON-DETECTED OR BELOW THE ACTUAL DETECTION LIMIT
* = PEAKS IN DIESEL RANGE BUT CHROMATOGRAM DOES NOT MATCH THAT OF DIESEL STANDARD

DATA REVIEWED AND APPROVED BY: 
CAL-DHS ELAP CERTIFICATE No.: 1555

Software Version : 6.3.4.0700
Sample Name : DIESEL CCV 2000 PPM (GC4049)
Instrument Name : GC-I
Rack/Vial : 0/3
Sample Amount : 1.000000
Cycle : 4

Date : 6/28/2022 8:51:44 AM
Data Acquisition Time : 6/27/2022 9:19:40 AM
Channel : A
Operator : Administrator
Dilution Factor : 1.000000

Result File : E:\GC DATA\GC-I\I2022\I2206\I220627\A004.rst
Sequence File : E:\GC DATA\GC-I\I2022\I2206\I220627\I220627.seq



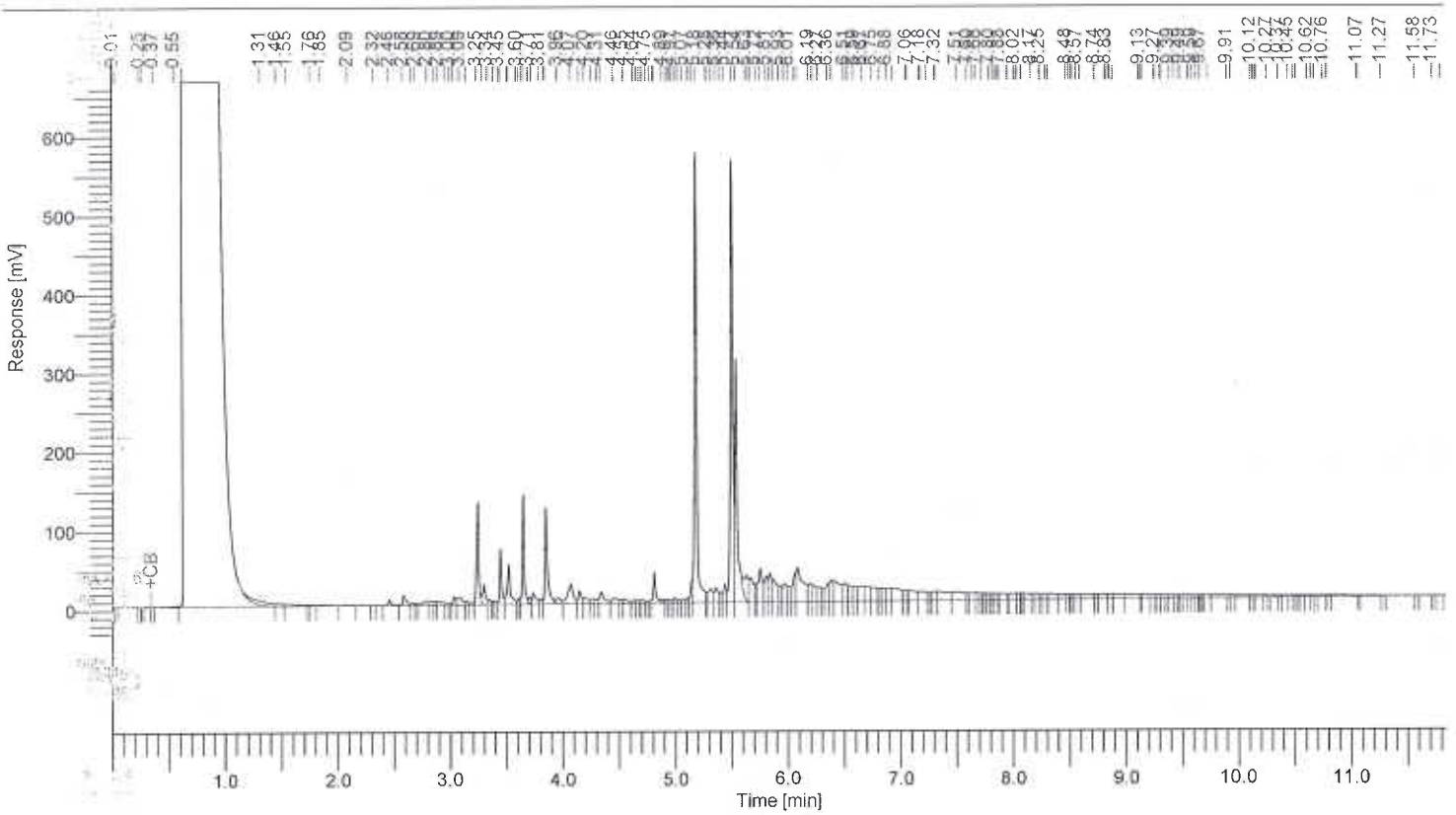
8015 Results

Component Name	Area [uV*sec]	Adjusted Amount
C10~C28	8611224	2120.9
	8611224	2120.9

Software Version : C.3.4.0700
Sample Name : 220624-36 20% RE
Instrument Name : GC-I
Rack/Vial : 0/20
Sample Amount : 1.000000
Cycle : 24

Date : 6/28/2022 8:53:18 AM
Data Acquisition Time : 6/27/2022 2:30:42 PM
Channel : A
Operator : Administrator
Dilution Factor : 1.000000

Result File : E:\GC DATA\GC-I\I2022\I2206\I220627\A024.rst
Sequence File : E:\GC DATA\GC-I\I2022\I2206\I220627\I220627.seq



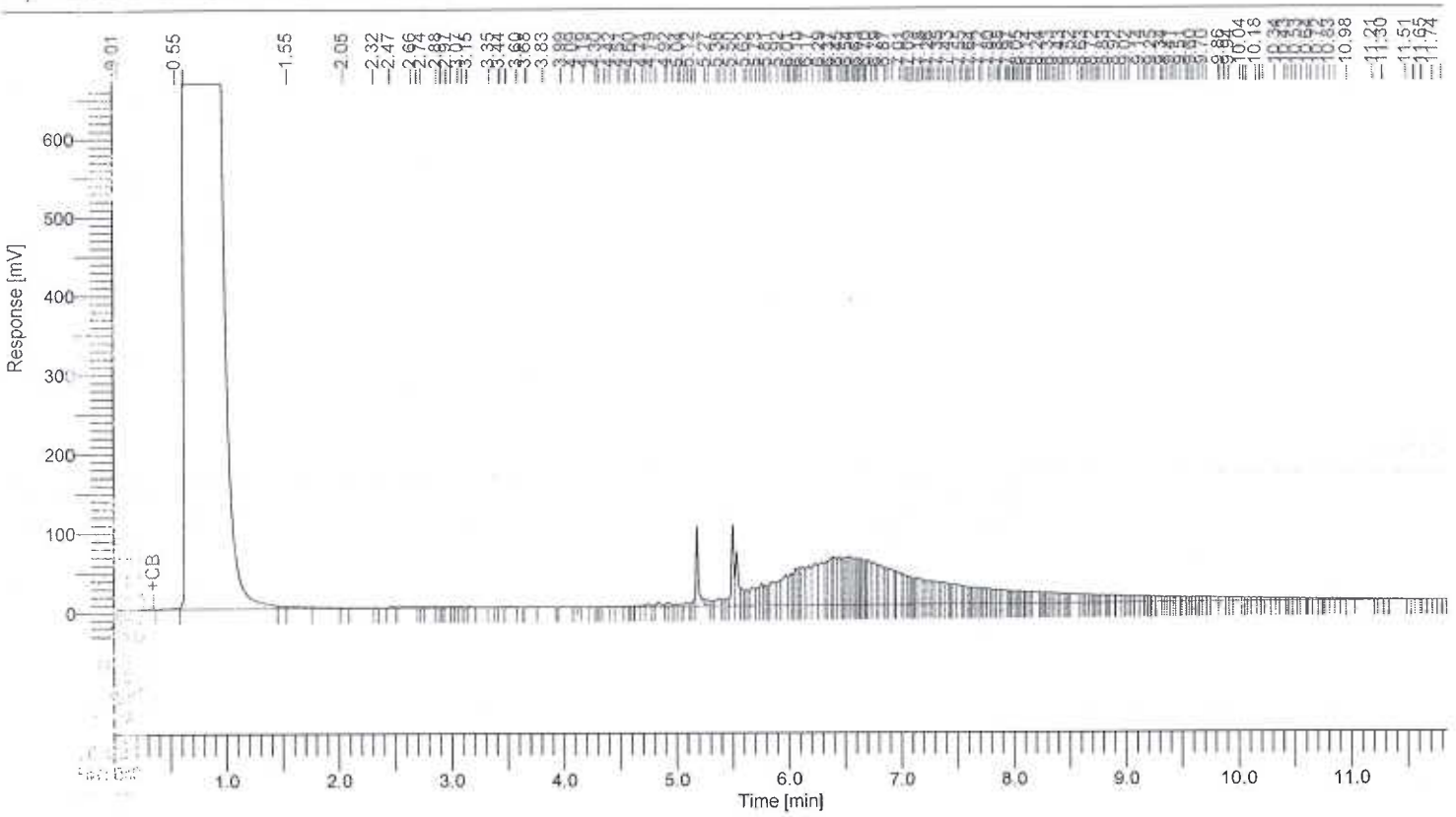
8015 Results

Component Name	Area [uV*sec]	Adjusted Amount
C4~C10	222399	-68.8
C10~C28	4873088	689.9
C28~C35	1198733	978.9
	6294219	1600.0

Software Version : 8.3.4.0703
Sample Name : 220624-38 20/100 RE
Instrument Name : GC-I
Rack/Vial : 0/19
Sample Amount : 1.000000
Cycle : 23

Date : 6/28/2022 8:53:14 AM
Data Acquisition Time : 6/27/2022 2:15:03 PM
Channel : A
Operator : Administrator
Dilution Factor : 1.000000

Result File : E:\GC DATA\GC-I\I2022\I2206\I220627\A023.rst
Sequence File : E:\GC DATA\GC-I\I2022\I2206\I220627\I220627.seq



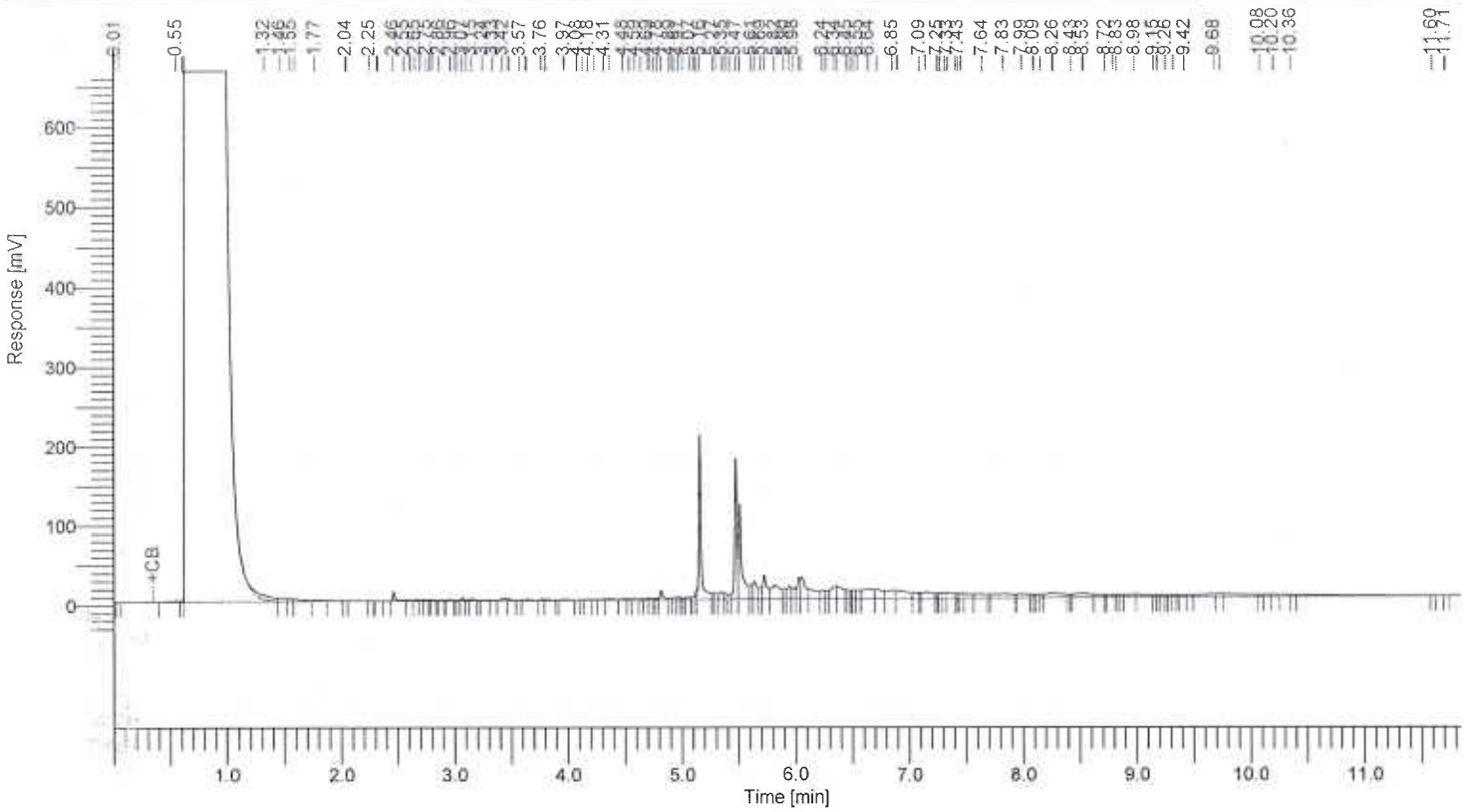
8015 Results

Component Name	Area [µV*sec]	Adjusted Amount
C4~C10	[illegible]	-159.7
C10~C28	[illegible]	309.5
C28~C35	3671356	3162.4
	6487597	3312.2

Software Version : 6.3.4.0706
Sample Name : 220624-40 20/2 RE
Instrument Name : GC-I
Rack/Vial : 0/17
Sample Amount : 1.000000
Cycle : 21

Date : 6/28/2022 8:53:05 AM
Data Acquisition Time : 6/27/2022 1:43:49 PM
Channel : A
Operator : Administrator
Dilution Factor : 1.000000

Result File : E:\GC DATA\GC-I\I2022\I2206\I220627\A021.rst
Sequence File : E:\GC DATA\GC-I\I2022\I2206\I220627\I220627.seq



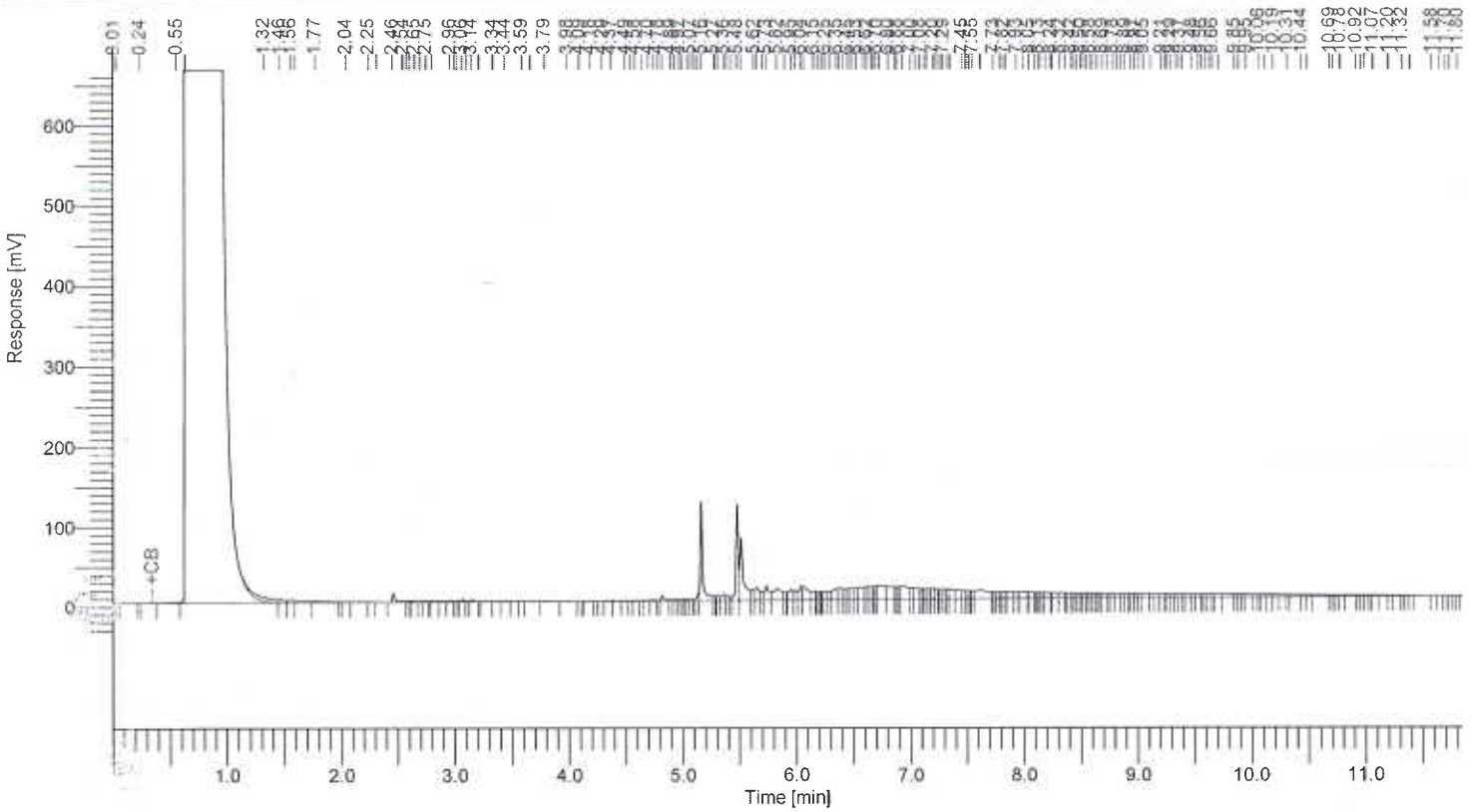
8015 Results

Component Name	Area [uV*sec]	Adjusted Amount
C4~C10	171541	-99.6
C10~C28	1692026	170.9
C28~C35	878346	717.4
	2741914	788.7

Software Version : 6.3.4.0700
Sample Name : 220624-42 20/2 RE
Instrument Name : GC-I
Rack/Vial : 0/18
Sample Amount : 1.000000
Cycle : 22

Date : 6/28/2022 8:53:09 AM
Data Acquisition Time : 6/27/2022 1:59:26 PM
Channel : A
Operator : Administrator
Dilution Factor : 1.000000

Result File : E:\GC DATA\GC-I\I2022\I2206\I220627\A022.rst
Sequence File : E:\GC DATA\GC-I\I2022\I2206\I220627\I220627.seq



8015 Results

Component Name	Area [uV*sec]	Adjusted Amount
C4~C10	192997	-87.8
C10~C28	1273702	102.1
C28~C35	1513109	1238.9
	2979809	1253.1

Enviro Chem, Inc

1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909)590-5905 Fax (909)590-5907

8015B QA/QC Report

Date Analyzed: 6/27/2022 **Units:** mg/Kg (ppm)

Matrix: **Soil/Solid/Sludge/Liquid**

Matrix Spike (MS)/Matrix Spike Duplicate (MSD)

Spiked Sample Lab I.D.: 220627-LCS 1/2

Analyte	SR	spk conc	MS	%MS	MSD	%MSD	%RPD	ACP %MS	ACP RPD
C10~C28 Range	0.00	200	193	**97%**	195	**98%**	**1%**	**75-125**	**0-20%**

LCS STD RECOVERY:

Analyte	spk conc	LCS	%REC	ACP
C10~C28 Range	200	152	**76%**	**75-125**

Analyzed and Reviewed By: KL

Final Reviewer:

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

CUSTOMER: **Leighton & Associates, Inc.**
10532 Acacia, Suite B-6, Rancho Cucamonga, CA 91730
Tel: (909) 202-1662 E-Mail: RHansen@LeightonGroup.com

PROJECT: **Proposed Jefferson Fontana Mixed Use Residential Development**
PROJECT NO.: **13584.002**
MATRIX: SOIL
SAMPLING DATE: 06/24/22
REPORT TO: Mr. ROBERT HANSEN

DATE RECEIVED: 06/24/22
DATE ANALYZED: 06/27/22
DATE REPORTED: 07/01/22

EPA 6010B FOR TTLC-ARSENIC
UNITS: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

SAMPLE I.D.	LAB I.D.	ARSENIC RESULT	DF
HA1-0.5'	220624-24	3.48	1
HA2-0.5'	220624-26	3.86	1
HA3-0.5'	220624-28	3.77	1
HA4-0.5'	220624-30	4.04	1
HA5-0.5'	220624-32	4.17	1
HA6-0.5'	220624-34	4.98	1
Method Blank	---	ND	1
	MDL	0.248	
	PQL	0.50	

COMMENTS:
DF = Dilution Factor
MDL = Method Detection Limit
PQL = Practical Quantitation Limit
J = Trace Concentration between MDL and PQL
Actual Detection Limit = DF X PQL
ND = Non-Detected or below the Actual Detection Limit
TTLC = Total Threshold Limit Concentration
STLC = Soluble Threshold Limit Concentration
STLC Limit for Arsenic = 5 PPM
* = STLC analysis is recommended (if marked)
*** = The concentration exceeds the TTLC Limit @ 500 PPM, therefore the sample is defined as hazardous waste as per CCR-TITLE 22 (if marked)

DATA REVIEWED AND APPROVED BY: _____
CAL-DHS ELAP CERTIFICATE No.: 1555

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

CUSTOMER: **Leighton & Associates, Inc.**
10532 Acacia, Suite B-6, Rancho Cucamonga, CA 91730
Tel:(909)202-1662 E-Mail: RHansen@LeightonGroup.com

PROJECT: **Proposed Jefferson Fontana Mixed Use Residential Development**
PROJECT NO.: **13584.002**
MATRIX:SOIL DATE RECEIVED:06/24/22
SAMPLING DATE:06/24/22 DATE ANALYZED:06/27/22
REPORT TO:Mr. ROBERT HANSEN DATE REPORTED:07/01/22

SAMPLE I.D.: **SS1-0.5'** LAB I.D.: 220624-36

TOTAL THRESHOLD LIMIT CONCENTRATION ANALYSIS
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

ELEMENT ANALYZED	SAMPLE RESULT	PQL	MDL	DF	TTLC LIMIT	STLC LIMIT	EPA METHOD
Antimony(Sb)	ND	1.0	0.250	1	500	15	6010B
Arsenic(As)	5.75	0.5	0.248	1	500	5.0	6010B
Barium(Ba)	43.2	5.0	0.143	1	10,000	100	6010B
Beryllium(Be)	ND	0.5	0.180	1	75	0.75	6010B
Cadmium(Cd)	ND	0.5	0.119	1	100	1.0	6010B
Chromium Total(Cr)	31.0	0.5	0.138	1	2,500	560/5@	6010B
Chromium VI (Cr6)	--	0.2	0.0156	1	500	5.0	7196A
Cobalt(Co)	7.51	1.0	0.156	1	8,000	80	6010B
Copper(Cu)	10.5	1.0	0.203	1	2,500	25	6010B
Lead(Pb)	7.34	0.5	0.192	1	1,000	5.0	6010B
Mercury(Hg)	ND	0.01	0.0062	1	20	0.2	7471A
Molybdenum(Mo)	ND	5.0	0.274	1	3,500	350	6010B
Nickel(Ni)	5.66	2.5	0.165	1	2,000	20	6010B
Selenium(Se)	ND	1.0	0.234	1	100	1.0	6010B
Silver(Ag)	ND	1.0	0.414	1	500	5.0	6010B
Thallium(Tl)	ND	1.0	0.432	1	700	7.0	6010B
Vanadium(V)	29.8	5.0	0.171	1	2,400	24	6010B
Zinc(Zn)	37.4	0.5	0.131	1	5,000	250	6010B

COMMENTS
DF = Dilution Factor
MDL = Method Detection Limit
PQL = Practical Quantitation Limit
J = Trace Concentration between MDL and PQL
Actual Detection Limit = PQL X DF
ND = Below the Actual Detection Limit or non-detected
TTLC = Total Threshold Limit Concentration
STLC = Soluble Threshold Limit Concentration
@ = Must meet both the STLC Limit at 560 and EPA-TCLP Limit at 5
* = STLC analysis for the metal is recommended (if marked)
** = Additional Analysis required, please call to discuss (if marked)
*** = The concentration exceeds the TTLC Limit, and the sample is defined as hazardous waste as per CCR-TITLE 22 (if marked)
-- = Not analyzed/not requested

DATA REVIEWED AND APPROVED BY: _____
CAL-DHS ELAP CERTIFICATE No.: 1555

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

CUSTOMER: **Leighton Consulting, Inc.**
10532 Acacia, Suite B-6, Rancho Cucamonga, CA 91730
Tel:(909)202-1662 E-Mail: RHansen@LeightonGroup.com

PROJECT: **Proposed Jefferson Fontana Mixed Use Residential Development**
PROJECT NO.: **13584.002**
MATRIX: SOIL — DATE RECEIVED: 06/24/22
SAMPLING DATE: 06/24/22 — DATE ANALYZED: 06/27/22
REPORT TO: Mr. ROBERT HANSEN — DATE REPORTED: 07/01/22

SAMPLE I.D.: **SS2-0.5'** LAB I.D.: 220624-38

TOTAL THRESHOLD LIMIT CONCENTRATION ANALYSIS
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

ELEMENT ANALYZED	SAMPLE RESULT	PQL	MDL	DF	TTLC LIMIT	STLC LIMIT	EPA METHOD
Antimony(Sb)	ND	1.0	0.250	1	500	15	6010B
Arsenic(As)	3.62	0.5	0.248	1	500	5.0	6010B
Barium(Ba)	41.8	5.0	0.143	1	10,000	100	6010B
Beryllium(Be)	ND	0.5	0.180	1	75	0.75	6010B
Cadmium(Cd)	ND	0.5	0.119	1	100	1.0	6010B
Chromium Total(Cr)	32.2	0.5	0.138	1	2,500	560/5@	6010B
Chromium VI (Cr6)	--	0.2	0.0156	1	500	5.0	7196A
Cobalt(Co)	7.02	1.0	0.156	1	8,000	80	6010B
Copper(Cu)	11.6	1.0	0.203	1	2,500	25	6010B
Lead(Pb)	13.6	0.5	0.192	1	1,000	5.0	6010B
Mercury(Hg)	0.021	0.01	0.0062	1	20	0.2	7471A
Molybdenum(Mo)	ND	5.0	0.274	1	3,500	350	6010B
Nickel(Ni)	6.22	2.5	0.165	1	2,000	20	6010B
Selenium(Se)	ND	1.0	0.234	1	100	1.0	6010B
Silver(Ag)	ND	1.0	0.414	1	500	5.0	6010B
Thallium(Tl)	ND	1.0	0.432	1	700	7.0	6010B
Vanadium(V)	28.9	5.0	0.171	1	2,400	24	6010B
Zinc(Zn)	59.8	0.5	0.131	1	5,000	250	6010B

COMMENTS
DF = Dilution Factor
MDL = Method Detection Limit
PQL = Practical Quantitation Limit
J = Trace Concentration between MDL and PQL
Actual Detection Limit = PQL X DF
ND = Below the Actual Detection Limit or non-detected
TTLC = Total Threshold Limit Concentration
STLC = Soluble Threshold Limit Concentration
@ = Must meet both the STLC Limit at 560 and EPA-TCLP Limit at 5
* = STLC analysis for the metal is recommended (if marked)
** = Additional Analysis required, please call to discuss (if marked)
*** = The concentration exceeds the TTLC Limit, and the sample is defined as hazardous waste as per CCR-TITLE 22 (if marked)
-- = Not analyzed/not requested

DATA REVIEWED AND APPROVED BY: _____
CAL-DHS ELAP CERTIFICATE No.: 1555

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

CUSTOMER: **Leighton Consulting, Inc.**
10532 Acacia, Suite B-6, Rancho Cucamonga, CA 91730
Tel:(909)202-1662 E-Mail: RHansen@LeightonGroup.com

PROJECT: **Proposed Jefferson Fontana Mixed Use Residential Development**
PROJECT NO.: **13584.002**
MATRIX:SOIL DATE RECEIVED:06/24/22
SAMPLING DATE:06/24/22 DATE ANALYZED:06/27/22
REPORT TO:Mr. ROBERT HANSEN DATE REPORTED:07/01/22

SAMPLE I.D.: **SP1** LAB I.D.: 220624-42

TOTAL THRESHOLD LIMIT CONCENTRATION ANALYSIS
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

ELEMENT ANALYZED	SAMPLE RESULT	PQL	MDL	DF	TTLC LIMIT	STLC LIMIT	EPA METHOD
Antimony(Sb)	ND	1.0	0.250	1	500	15	6010B
Arsenic(As)	6.79	0.5	0.248	1	500	5.0	6010B
Barium(Ba)	49.0	5.0	0.143	1	10,000	100	6010B
Beryllium(Be)	ND	0.5	0.180	1	75	0.75	6010B
Cadmium(Cd)	0.596	0.5	0.119	1	100	1.0	6010B
Chromium Total(Cr)	36.2	0.5	0.138	1	2,500	560/5@	6010B
Chromium VI (Cr6)	--	0.2	0.0156	1	500	5.0	7196A
Cobalt(Co)	8.15	1.0	0.156	1	8,000	80	6010B
Copper(Cu)	15.1	1.0	0.203	1	2,500	25	6010B
Lead(Pb)	26.5	0.5	0.192	1	1,000	5.0	6010B
Mercury(Hg)	0.027	0.01	0.0062	1	20	0.2	7471A
Molybdenum(Mo)	ND	5.0	0.274	1	3,500	350	6010B
Nickel(Ni)	7.68	2.5	0.165	1	2,000	20	6010B
Selenium(Se)	ND	1.0	0.234	1	100	1.0	6010B
Silver(Ag)	ND	1.0	0.414	1	500	5.0	6010B
Thallium(Tl)	ND	1.0	0.432	1	700	7.0	6010B
Vanadium(V)	32.5	5.0	0.171	1	2,400	24	6010B
Zinc(Zn)	102	0.5	0.131	1	5,000	250	6010B

COMMENTS
DF = Dilution Factor
MDL = Method Detection Limit
PQL = Practical Quantitation Limit
J = Trace Concentration between MDL and PQL
Actual Detection Limit = PQL X DF
ND = Below the Actual Detection Limit or non-detected
TTLC = Total Threshold Limit Concentration
STLC = Soluble Threshold Limit Concentration
@ = Must meet both the STLC Limit at 560 and EPA-TCLP Limit at 5
* = STLC analysis for the metal is recommended (if marked)
** = Additional Analysis required, please call to discuss (if marked)
*** = The concentration exceeds the TTLC Limit, and the sample is defined as hazardous waste as per CCR-TITLE 22 (if marked)
-- = Not analyzed/not requested

DATA REVIEWED AND APPROVED BY: _____
CAL-DHS ELAP CERTIFICATE No.: 1555

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

METHOD BLANK REPORT

CUSTOMER: **Leighton Consulting, Inc.**
10532 Acacia, Suite B-6, Rancho Cucamonga, CA 91730
Tel:(909)202-1662 E-Mail: RHansen@LeightonGroup.com

PROJECT: **Proposed Jefferson Fontana Mixed Use Residential Development**
PROJECT NO.: **13584.002**
MATRIX:SOIL DATE RECEIVED:06/24/22
SAMPLING DATE:06/24/22 DATE ANALYZED:06/27/22
REPORT TO:Mr. ROBERT HANSEN DATE REPORTED:07/01/22

METHOD BLANK FOR LAB I.D.: 220624-36, -38, -42

TOTAL THRESHOLD LIMIT CONCENTRATION ANALYSIS
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

ELEMENT ANALYZED	SAMPLE RESULT	PQL	MDL	DF	TTLC LIMIT	STLC LIMIT	EPA METHOD
Antimony(Sb)	ND	1.0	0.250	1	500	15	6010B
Arsenic(As)	ND	0.3	0.248	1	500	5.0	6010B
Barium(Ba)	ND	5.0	0.143	1	10,000	100	6010B
Beryllium(Be)	ND	0.5	0.180	1	75	0.75	6010B
Cadmium(Cd)	ND	0.5	0.119	1	100	1.0	6010B
Chromium Total(Cr)	ND	0.5	0.138	1	2,500	560/5@	6010B
Chromium VI (Cr6)	--	0.2	0.0156	1	500	5.0	7196A
Cobalt(Co)	ND	1.0	0.156	1	8,000	80	6010B
Copper(Cu)	ND	1.0	0.203	1	2,500	25	6010B
Lead(Pb)	ND	0.5	0.192	1	1,000	5.0	6010B
Mercury(Hg)	ND	0.01	0.0062	1	20	0.2	7471A
Molybdenum(Mo)	ND	5.0	0.274	1	3,500	350	6010B
Nickel(Ni)	ND	2.5	0.165	1	2,000	20	6010B
Selenium(Se)	ND	1.0	0.234	1	100	1.0	6010B
Silver(Ag)	ND	1.0	0.414	1	500	5.0	6010B
Thallium(Tl)	ND	1.0	0.432	1	700	7.0	6010B
Vanadium(V)	ND	5.0	0.171	1	2,400	24	6010B
Zinc(Zn)	ND	0.5	0.131	1	5,000	250	6010B

COMMENTS
DF = Dilution Factor
MDL = Method Detection Limit
PQL = Practical Quantitation Limit
J = Trace Concentration between MDL and PQL
Actual Detection Limit = PQL X DF
ND = Below the Actual Detection Limit or non-detected
TTLC = Total Threshold Limit Concentration
STLC = Soluble Threshold Limit Concentration
@ = Must meet both the STLC Limit at 560 and EPA-TCLP Limit at 5
* = STLC analysis for the metal is recommended (if marked)
** = Additional Analysis required, please call to discuss (if marked)
*** = The concentration exceeds the TTLC Limit, and the sample is defined as hazardous waste as per CCR-TITLE 22 (if marked)
-- = Not analyzed/not requested

DATA REVIEWED AND APPROVED BY: _____
CAL-DHS ELAP CERTIFICATE No.: 1555

QA/QC for Metals Analysis --TTLC--SOLID/SOIL MATRIX

Matrix Spike/ Matrix Spike Duplicate/ LCS :

Metals Analysis Date : 6/27/2022
Mercury Analysis Date : 6/27/2022

Unit : mg/Kg(ppm)

Analysis	Spk.Sample ID	LCS CONC.	LCS %Rec.	LCS STATUS	Sample Result	Spike Conc.	MS	% Rec MS	MSD	% Rec MSD	% RPD
Antimony (Sb)	220624-13	50.0	93	PASS	0	50	38.9	78%	38.5	77%	1%
Arsenic (As)	220624-13	50.0	97	PASS	1.70	50	41.8	80%	41.8	80%	0%
Barium (Ba)	220624-13	50.0	96	PASS	52.1	50	83.8	63%*	83.0	62%*	1%
Beryllium (Be)	220624-13	50.0	97	PASS	0	50	40.4	81%	39.9	80%	1%
Cadmium (Cd)	220624-13	50.0	99	PASS	0	50	40.8	82%	40.4	81%	1%
Chromium (Cr)	220624-13	50.0	97	PASS	17.3	50	53.3	72%*	52.5	70%*	2%
Cobalt (Co)	220624-13	50.0	95	PASS	3.20	50	41.1	76%	40.6	75%	1%
Copper (Cu)	220624-13	50.0	97	PASS	5.53	50	45.4	80%	45.0	79%	1%
Lead (Pb)	220624-13	50.0	96	PASS	3.16	50	45.2	84%	46.1	86%	2%
Mercury (Hg)	220415-49	0.125	96	PASS	0	0.125	0.111	89%	0.104	83%	7%
Molybdenum(Mo)	220624-13	50.0	96	PASS	0	50	40.7	81%	40.5	81%	0%
Nickel (Ni)	220624-13	50.0	97	PASS	3.41	50	42.4	78%	42.2	78%	0%
Selenium (Se)	220624-13	50.0	98	PASS	0	50	39.0	78%	38.1	76%	2%
Silver (Ag)	220624-13	5.0	93	PASS	0	5.0	3.77	75%	3.70	74%	1%
Thallium (Tl)	220624-13	50.0	95	PASS	0	50	57.6	115%	53.3	107%	8%
Vanadium (V)	220624-13	50.0	93	PASS	18.0	50	55.1	74%*	54.3	73%	1%
Zinc (Zn)	220624-13	50.0	96	PASS	17.9	50	55.1	74%*	54.6	73%	1%

*=Fail due to matrix interference
Note:LCS is in control therefore results are in control

ANALYST: _____

FINAL REVIEWER: _____

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

CUSTOMER: **Leighton Consulting, Inc.**
10532 Acacia, Suite B-6, Rancho Cucamonga, CA 91730
Tel: (909) 202-1662 E-Mail: RHansen@LeightonGroup.com

PROJECT: **Proposed Jefferson Fontana Mixed Use Residential Development**
PROJECT NO.: **13584.002**

MATRIX: SOIL
SAMPLING DATE: 06/24/22
REPORT TO: Mr. ROBERT HANSEN

DATE RECEIVED: 06/24/22
DATE EXTRACTED: 06/27/22
DATE ANALYZED: 06/27/22
DATE REPORTED: 07/01/22

SAMPLE I.D.: **HA1-0.5'** LAB I.D.: 220624-24

Organochlorine Pesticides Analysis
method: EPA 8081A
Unit: mg/Kg = Milligram Per Kilogram = PPM

PARAMETER	SAMPLE RESULT	PQL	MDL	DF
Aldrin	ND	0.001	0.0001	1
alpha-BHC	ND	0.001	0.0002	1
beta-BHC	ND	0.001	0.0001	1
gamma-BHC (Lindane)	ND	0.001	0.0001	1
delta-BHC	ND	0.001	0.0002	1
alpha-Chlordane	ND	0.001	0.0002	1
gamma-Chlordane	ND	0.001	0.0001	1
Technical Chlordane	ND	0.005	0.0005	1
4,4'-DDD	ND	0.001	0.0003	1
4,4'-DDE	ND	0.001	0.0003	1
4,4'-DDT	ND	0.001	0.0001	1
Dieldrin	ND	0.001	0.0003	1
Endosulfan I	ND	0.001	0.0002	1
Endosulfan II	ND	0.001	0.0001	1
Endosulfan Sulfate	ND	0.001	0.0001	1
Endrin	ND	0.001	0.0004	1
Endrin Aldehyde	ND	0.001	0.0001	1
Endrin Ketone	ND	0.001	0.0001	1
Heptachlor Epoxide	ND	0.001	0.0003	1
Heptachlor	ND	0.001	0.0001	1
Methoxyclor	ND	0.001	0.0001	1
Toxaphene	ND	0.020	0.0100	1

COMMENTS:
DF = Dilution Factor
MDL = Method Detection Limit
PQL = Practical Quantitation Limit
Actual Detection Limit = PQL X DF
J = Trace Concentration between MDL and PQL
ND = Below the Actual Detection Limit or non-detected

DATA REVIEWED AND APPROVED BY: _____
CAL-DHS ELAP CERTIFICATE No.: 1555

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

CUSTOMER: **Leighton Consulting, Inc.**
10532 Acacia, Suite B-6, Rancho Cucamonga, CA 91730
Tel:(909)202-1662 E-Mail: RHansen@LeightonGroup.com

PROJECT: **Proposed Jefferson Fontana Mixed Use Residential Development**
PROJECT NO.: **13584.002**

MATRIX:SOIL
SAMPLING DATE:06/24/22
REPORT TO:Mr. ROBERT HANSEN

DATE RECEIVED:06/24/22
DATE EXTRACTED:06/27/22
DATE ANALYZED:06/27/22
DATE REPORTED:07/01/22

SAMPLE I.D.: **HA2-0.5'** LAB I.D.: 220624-26

Organochlorine Pesticides Analysis
method: EPA 8081A
Unit: mg/Kg = Milligram Per Kilogram = PPM

PARAMETER	SAMPLE RESULT	PQL	MDL	DF
Aldrin	ND	0.001	0.0001	1
alpha-BHC	ND	0.001	0.0002	1
beta-BHC	ND	0.001	0.0001	1
gamma-BHC (Lindane)	ND	0.001	0.0001	1
delta-BHC	ND	0.001	0.0002	1
alpha-Chlordane	0.001	0.001	0.0002	1
gamma-Chlordane	0.0006J	0.001	0.0001	1
Technical Chlordane	0.004J	0.005	0.0005	1
4,4'-DDD	ND	0.001	0.0003	1
4,4'-DDE	ND	0.001	0.0003	1
4,4'-DDT	ND	0.001	0.0001	1
Dieldrin	ND	0.001	0.0003	1
Endosulfan I	ND	0.001	0.0002	1
Endosulfan II	ND	0.001	0.0001	1
Endosulfan Sulfate	ND	0.001	0.0001	1
Endrin	ND	0.001	0.0004	1
Endrin Aldehyde	ND	0.001	0.0001	1
Endrin Ketone	ND	0.001	0.0001	1
Heptachlor Epoxide	ND	0.001	0.0003	1
Heptachlor	ND	0.001	0.0001	1
Methoxyclor	ND	0.001	0.0001	1
Toxaphene	ND	0.020	0.0100	1

COMMENTS:
DF = Dilution Factor
MDL = Method Detection Limit
PQL = Practical Quantitation Limit
Actual Detection Limit = PQL X DF
J = Trace Concentration between MDL and PQL
ND = Below the Actual Detection Limit or non-detected

DATA REVIEWED AND APPROVED BY: _____
CAL-DHS ELAP CERTIFICATE No.: 1555

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

CUSTOMER: **Leighton Consulting, Inc.**
10532 Acacia, Suite B-6, Rancho Cucamonga, CA 91730
Tel:(909)202-1662 E-Mail: RHansen@LeightonGroup.com

PROJECT: **Proposed Jefferson Fontana Mixed Use Residential Development**
PROJECT NO.: **13584.002**

MATRIX:SOIL
SAMPLING DATE:06/24/22
REPORT TO:Mr. ROBERT HANSEN

DATE RECEIVED:06/24/22
DATE EXTRACTED:06/27/22
DATE ANALYZED:06/27/22
DATE REPORTED:07/01/22

SAMPLE I.D.: **HA3-0.5'** LAB I.D.: 220624-28

Organochlorine Pesticides Analysis
method: EPA 8081A
Unit: mg/Kg = Milligram Per Kilogram = PPM

PARAMETER	SAMPLE RESULT	PQL	MDL	DF
Aldrin	ND	0.001	0.0001	1
alpha-BHC	ND	0.001	0.0002	1
beta-BHC	ND	0.001	0.0001	1
gamma-BHC (Lindane)	ND	0.001	0.0001	1
delta-BHC	ND	0.001	0.0002	1
alpha-Chlordane	ND	0.001	0.0002	1
gamma-Chlordane	ND	0.001	0.0001	1
Technical Chlordane	ND	0.005	0.0005	1
4,4'-DDD	ND	0.001	0.0003	1
4,4'-DDE	ND	0.001	0.0003	1
4,4'-DDT	ND	0.001	0.0001	1
Dieldrin	ND	0.001	0.0003	1
Endosulfan I	ND	0.001	0.0002	1
Endosulfan II	ND	0.001	0.0001	1
Endosulfan Sulfate	ND	0.001	0.0001	1
Endrin	ND	0.001	0.0004	1
Endrin Aldehyde	ND	0.001	0.0001	1
Endrin Ketone	ND	0.001	0.0001	1
Heptachlor Epoxide	ND	0.001	0.0003	1
Heptachlor	ND	0.001	0.0001	1
Methoxyclor	ND	0.001	0.0001	1
Toxaphene	ND	0.020	0.0100	1

COMMENTS:
DF = Dilution Factor
MDL = Method Detection Limit
PQL = Practical Quantitation Limit
Actual Detection Limit = PQL X DF
J = Trace Concentration between MDL and PQL
ND = Below the Actual Detection Limit or non-detected

DATA REVIEWED AND APPROVED BY: _____
CAL-DHS ELAP CERTIFICATE No.: 1555

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

CUSTOMER: **Leighton Consulting, Inc.**
10532 Acacia, Suite B-6, Rancho Cucamonga, CA 91730
Tel:(909)202-1662 E-Mail: RHansen@LeightonGroup.com

PROJECT: **Proposed Jefferson Fontana Mixed Use Residential Development**
PROJECT NO.: **13584.002**

MATRIX:SOIL
SAMPLING DATE:06/24/22
REPORT TO:Mr. ROBERT HANSEN

DATE RECEIVED:06/24/22
DATE EXTRACTED:06/27/22
DATE ANALYZED:06/27/22
DATE REPORTED:07/01/22

SAMPLE I.D.: **HA4-0.5'** LAB I.D.: 220624-30

Organochlorine Pesticides Analysis
method: EPA 8081A
Unit: mg/Kg = Milligram Per Kilogram = PPM

PARAMETER	SAMPLE RESULT	PQL	MDL	DF
Aldrin	ND	0.001	0.0001	1
alpha-BHC	ND	0.001	0.0002	1
beta-BHC	ND	0.001	0.0001	1
gamma-BHC (Lindane)	ND	0.001	0.0001	1
delta-BHC	ND	0.001	0.0002	1
alpha-Chlordane	ND	0.001	0.0002	1
gamma-Chlordane	ND	0.001	0.0001	1
Technical Chlordane	ND	0.005	0.0005	1
4,4'-DDD	ND	0.001	0.0003	1
4,4'-DDE	ND	0.001	0.0003	1
4,4'-DDT	ND	0.001	0.0001	1
Dieldrin	ND	0.001	0.0003	1
Endosulfan I	ND	0.001	0.0002	1
Endosulfan II	ND	0.001	0.0001	1
Endosulfan Sulfate	ND	0.001	0.0001	1
Endrin	ND	0.001	0.0004	1
Endrin Aldehyde	ND	0.001	0.0001	1
Endrin Ketone	ND	0.001	0.0001	1
Heptachlor Epoxide	ND	0.001	0.0003	1
Heptachlor	ND	0.001	0.0001	1
Methoxyclor	ND	0.001	0.0001	1
Toxaphene	ND	0.020	0.0100	1

COMMENTS:
DF = Dilution Factor
MDL = Method Detection Limit
PQL = Practical Quantitation Limit
Actual Detection Limit = PQL X DF
J = Trace Concentration between MDL and PQL
ND = Below the Actual Detection Limit or non-detected

DATA REVIEWED AND APPROVED BY:_____
CAL-DHS ELAP CERTIFICATE No.: 1555

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

CUSTOMER: **Leighton Consulting, Inc.**
10532 Acacia, Suite B-6, Rancho Cucamonga, CA 91730
Tel:(909)202-1662 E-Mail: RHansen@LeightonGroup.com

PROJECT: **Proposed Jefferson Fontana Mixed Use Residential Development**
PROJECT NO.: **13584.002**

MATRIX:SOIL
SAMPLING DATE:06/24/22
REPORT TO:Mr. ROBERT HANSEN

DATE RECEIVED:06/24/22
DATE EXTRACTED:06/27/22
DATE ANALYZED:06/27/22
DATE REPORTED:07/01/22

SAMPLE I.D.: **HA5-0.5'** LAB I.D.: 220624-32

Organochlorine Pesticides Analysis
method: EPA 8081A
Unit: mg/Kg = Milligram Per Kilogram = PPM

PARAMETER	SAMPLE RESULT	PQL	MDL	DF
Aldrin	ND	0.001	0.0001	10
alpha-BHC	ND	0.001	0.0002	10
beta-BHC	ND	0.001	0.0001	10
gamma-BHC (Lindane)	ND	0.001	0.0001	10
delta-BHC	ND	0.001	0.0002	10
alpha-Chlordane	0.036	0.001	0.0002	10
gamma-Chlordane	0.011	0.001	0.0001	10
Technical Chlordane	0.106	0.005	0.0005	10
4,4'-DDD	ND	0.001	0.0003	10
4,4'-DDE	0.035	0.001	0.0003	10
4,4'-DDT	ND	0.001	0.0001	10
Dieldrin	ND	0.001	0.0003	10
Endosulfan I	ND	0.001	0.0002	10
Endosulfan II	ND	0.001	0.0001	10
Endosulfan Sulfate	ND	0.001	0.0001	10
Endrin	ND	0.001	0.0004	10
Endrin Aldehyde	ND	0.001	0.0001	10
Endrin Ketone	ND	0.001	0.0001	10
Heptachlor Epoxide	ND	0.001	0.0003	10
Heptachlor	ND	0.001	0.0001	10
Methoxyclor	ND	0.001	0.0001	10
Toxaphene	ND	0.020	0.0100	10

COMMENTS:
DF = Dilution Factor
MDL = Method Detection Limit
PQL = Practical Quantitation Limit
Actual Detection Limit = PQL X DF
J = Trace Concentration between MDL and PQL
ND = Below the Actual Detection Limit or non-detected

DATA REVIEWED AND APPROVED BY:_____
CAL-DHS ELAP CERTIFICATE No.: 1555

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

CUSTOMER: **Leighton Consulting, Inc.**
10532 Acacia, Suite B-6, Rancho Cucamonga, CA 91730
Tel:(909)202-1662 E-Mail: RHansen@LeightonGroup.com

PROJECT: **Proposed Jefferson Fontana Mixed Use Residential Development**
PROJECT NO.: **13584.002**

MATRIX:SOIL
SAMPLING DATE:06/24/22
REPORT TO:Mr. ROBERT HANSEN

DATE RECEIVED:06/24/22
DATE EXTRACTED:06/27/22
DATE ANALYZED:06/27/22
DATE REPORTED:07/01/22

SAMPLE I.D.: **HA6-0.5'** LAB I.D.: 220624-34

Organochlorine Pesticides Analysis
method: EPA 8081A
Unit: mg/Kg = Milligram Per Kilogram = PPM

PARAMETER	SAMPLE RESULT	PQL	MDL	DF
Aldrin	ND	0.001	0.0001	2
alpha-BHC	ND	0.001	0.0002	2
beta-BHC	ND	0.001	0.0001	2
gamma-BHC (Lindane)	ND	0.001	0.0001	2
delta-BHC	ND	0.001	0.0002	2
alpha-Chlordane	0.006	0.001	0.0002	2
gamma-Chlordane	0.002	0.001	0.0001	2
Technical Chlordane	0.020	0.005	0.0005	2
4,4'-DDD	ND	0.001	0.0003	2
4,4'-DDE	0.011	0.001	0.0003	2
4,4'-DDT	ND	0.001	0.0001	2
Dieldrin	ND	0.001	0.0003	2
Endosulfan I	ND	0.001	0.0002	2
Endosulfan II	ND	0.001	0.0001	2
Endosulfan Sulfate	ND	0.001	0.0001	2
Endrin	ND	0.001	0.0004	2
Endrin Aldehyde	ND	0.001	0.0001	2
Endrin Ketone	ND	0.001	0.0001	2
Heptachlor Epoxide	ND	0.001	0.0003	2
Heptachlor	ND	0.001	0.0001	2
Methoxyclor	ND	0.001	0.0001	2
Toxaphene	ND	0.020	0.0100	2

COMMENTS:
DF = Dilution Factor
MDL = Method Detection Limit
PQL = Practical Quantitation Limit
Actual Detection Limit = PQL X DF
J = Trace Concentration between MDL and PQL
ND = Below the Actual Detection Limit or non-detected

DATA REVIEWED AND APPROVED BY: _____
CAL-DHS ELAP CERTIFICATE No.: 1555

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

CUSTOMER: **Leighton Consulting, Inc.**
10532 Acacia, Suite B-6, Rancho Cucamonga, CA 91730
Tel:(909)202-1662 E-Mail: RHansen@LeightonGroup.com

PROJECT: **Proposed Jefferson Fontana Mixed Use Residential Development**
PROJECT NO.: **13584.002**

MATRIX:SOIL
SAMPLING DATE:06/24/22
REPORT TO:Mr. ROBERT HANSEN

DATE RECEIVED:06/24/22
DATE EXTRACTED:06/27/22
DATE ANALYZED:06/27/22
DATE REPORTED:07/01/22

SAMPLE I.D.: **SS1-0.5'** LAB I.D.: 220624-36

Organochlorine Pesticides Analysis
method: EPA 8081A
Unit: mg/Kg = Milligram Per Kilogram = PPM

PARAMETER	SAMPLE RESULT	PQL	MDL	DF
Aldrin	ND	0.001	0.0001	10*
alpha-BHC	ND	0.001	0.0002	10*
beta-BHC	ND	0.001	0.0001	10*
gamma-BHC (Lindane)	ND	0.001	0.0001	10*
delta-BHC	ND	0.001	0.0002	10*
alpha-Chlordane	ND	0.001	0.0002	10*
gamma-Chlordane	ND	0.001	0.0001	10*
Technical Chlordane	ND	0.005	0.0005	10*
4,4'-DDD	ND	0.001	0.0003	10*
4,4'-DDE	ND	0.001	0.0003	10*
4,4'-DDT	ND	0.001	0.0001	10*
Dieldrin	ND	0.001	0.0003	10*
Endosulfan I	ND	0.001	0.0002	10*
Endosulfan II	ND	0.001	0.0001	10*
Endosulfan Sulfate	ND	0.001	0.0001	10*
Endrin	ND	0.001	0.0004	10*
Endrin Aldehyde	ND	0.001	0.0001	10*
Endrin Ketone	ND	0.001	0.0001	10*
Heptachlor Epoxide	ND	0.001	0.0003	10*
Heptachlor	ND	0.001	0.0001	10*
Methoxyclor	ND	0.001	0.0001	10*
Toxaphene	ND	0.020	0.0100	10*

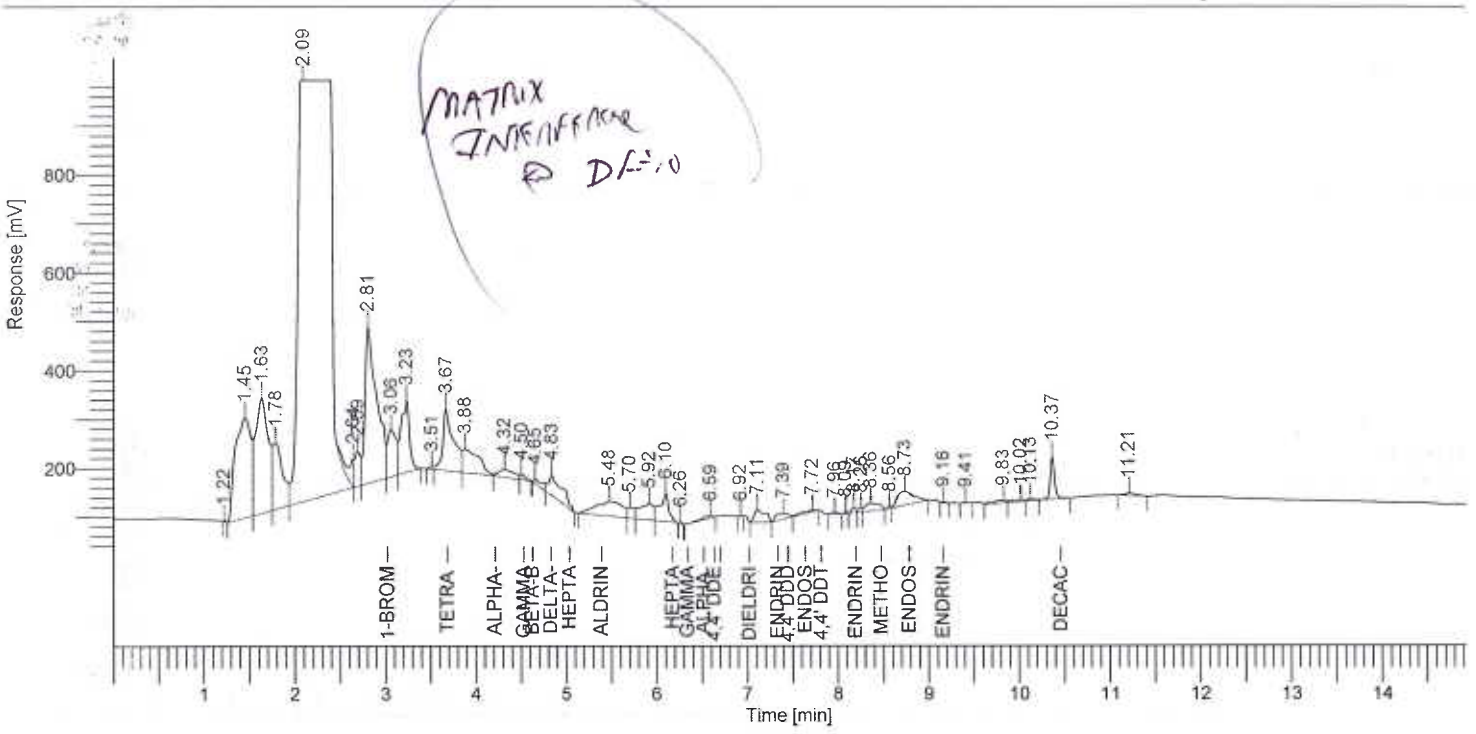
COMMENTS:
DF = Dilution Factor
MDL = Method Detection Limit
PQL = Practical Quantitation Limit
Actual Detection Limit = PQL X DF
J = Trace Concentration between MDL and PQL
ND = Below the Actual Detection Limit or non-detected
* = Actual Detection Limit raised due to matrix interference

DATA REVIEWED AND APPROVED BY: _____
CAL-DHS ELAP CERTIFICATE No.: 1555

Software Version : 6.3.4.0700
Sample Name : 220624-36 20/20
Instrument Name : GC-E
Rack/Vial : 0/13
Sample Amount : 1.000000
Cycle : 15

Date : 6/28/2022 4:44:45 PM
Data Acquisition Time : 6/27/2022 1:12:57 PM
Channel : A
Operator : Administrator
Dilution Factor : 1.000000

Result File : E:\GC DATA\GC-E\E02022\E2206\E220627\A015.rst
Sequence File : E:\GC DATA\GC-E\E02022\E2206\E220627\E220627.seq



Results

Component Name	Time [min]	Area [uV*sec]	Height [uV]	Adjusted Amount
1-Bromo-2-Nitrobenze	3.06	628823	96746	
Tetra chloro-meta-xy	3.67	1044398	126490	237.1431
Alpha-BHC	4.32	192126	16076	0.0168
Gamma-BHC	4.50	49754	10724	0.0052
Beta-BHC	4.65	81413	7902	0.0159
Delta-BHC	4.83	465877	41134	0.0423
Aldrin	5.48	629867	30654	0.0543
4,4' DDE	6.59	47715	3878	0.0058
Dieldrin	7.11	221413	26672	0.0225
4,4' DDD	7.39	124112	12101	0.0215
Endosulfan II	7.72	52431	3123	0.0061
4,4' DDT	7.96	18490	3151	0.0043
Endrin Aldhyde	8.17	39927	10753	0.0059
Methoxychlor	8.56	12789	4662	0.0018
Endosulfan Sulfate	8.73	372880	29220	0.0488
Endrin Ketone	9.16	7719	2065	0.0001
Decachlorobiphenyl	10.37	291896	85351	52.9082
		4281630	510700	290.3025

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

CUSTOMER: **Leighton Consulting, Inc.**
10532 Acacia, Suite B-6, Rancho Cucamonga, CA 91730
Tel:(909)202-1662 E-Mail: RHansen@LeightonGroup.com

PROJECT: **Proposed Jefferson Fontana Mixed Use Residential Development**
PROJECT NO.: **13584.002**

MATRIX:SOIL
SAMPLING DATE:06/24/22
REPORT TO:Mr. ROBERT HANSEN

DATE RECEIVED:06/24/22
DATE EXTRACTED:06/27/22
DATE ANALYZED:06/28/22
DATE REPORTED:07/01/22

SAMPLE I.D.: **SS2-0.5'** LAB I.D.: 220624-38

Organochlorine Pesticides Analysis
method: EPA 8081A
Unit: mg/Kg = Milligram Per Kilogram = PPM

PARAMETER	SAMPLE RESULT	PQL	MDL	DF
Aldrin	ND	0.001	0.0001	1
alpha-BHC	ND	0.001	0.0002	1
beta-BHC	ND	0.001	0.0001	1
gamma-BHC (Lindane)	ND	0.001	0.0001	1
delta-BHC	ND	0.001	0.0002	1
alpha-Chlordane	ND	0.001	0.0002	1
gamma-Chlordane	ND	0.001	0.0001	1
Technical Chlordane	ND	0.005	0.0005	1
4,4'-DDD	ND	0.001	0.0003	1
4,4'-DDE	0.003	0.001	0.0003	1
4,4'-DDT	ND	0.001	0.0001	1
Dieldrin	ND	0.001	0.0003	1
Endosulfan I	ND	0.001	0.0002	1
Endosulfan II	ND	0.001	0.0001	1
Endosulfan Sulfate	ND	0.001	0.0001	1
Endrin	ND	0.001	0.0004	1
Endrin Aldehyde	ND	0.001	0.0001	1
Endrin Ketone	ND	0.001	0.0001	1
Heptachlor Epoxide	ND	0.001	0.0003	1
Heptachlor	ND	0.001	0.0001	1
Methoxyclor	ND	0.001	0.0001	1
Toxaphene	ND	0.020	0.0100	1

COMMENTS:
DF = Dilution Factor
MDL = Method Detection Limit
PQL = Practical Quantitation Limit
Actual Detection Limit = PQL X DF
J = Trace Concentration between MDL and PQL
ND = Below the Actual Detection Limit or non-detected

DATA REVIEWED AND APPROVED BY: _____
CAL-DHS ELAP CERTIFICATE No.: 1555

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

CUSTOMER: **Leighton Consulting, Inc.**
10532 Acacia, Suite B-6, Rancho Cucamonga, CA 91730
Tel: (909) 202-1662 E-Mail: RHansen@LeightonGroup.com

PROJECT: **Proposed Jefferson Fontana Mixed Use Residential Development**
PROJECT NO.: **13584.002**

MATRIX: SOIL
SAMPLING DATE: 06/24/22
REPORT TO: Mr. ROBERT HANSEN

DATE RECEIVED: 06/24/22
DATE EXTRACTED: 06/27/22
DATE ANALYZED: 06/28/22
DATE REPORTED: 07/01/22

SAMPLE I.D.: **SP1** LAB I.D.: 220624-42

Organochlorine Pesticides Analysis
method: EPA 8081A
Unit: mg/Kg = Milligram Per Kilogram = PPM

PARAMETER	SAMPLE RESULT	PQL	MDL	DF
Aldrin	ND	0.001	0.0001	2
alpha-BHC	ND	0.001	0.0002	2
beta-BHC	ND	0.001	0.0001	2
gamma-BHC (Lindane)	ND	0.001	0.0001	2
delta-BHC	ND	0.001	0.0002	2
alpha-Chlordane	0.014	0.001	0.0002	2
gamma-Chlordane	0.004	0.001	0.0001	2
Technical Chlordane	0.031	0.005	0.0005	2
4,4'-DDD	ND	0.001	0.0003	2
4,4'-DDE	0.005	0.001	0.0003	2
4,4'-DDT	ND	0.001	0.0001	2
Dieldrin	ND	0.001	0.0003	2
Endosulfan I	ND	0.001	0.0002	2
Endosulfan II	ND	0.001	0.0001	2
Endosulfan Sulfate	ND	0.001	0.0001	2
Endrin	ND	0.001	0.0004	2
Endrin Aldehyde	ND	0.001	0.0001	2
Endrin Ketone	ND	0.001	0.0001	2
Heptachlor Epoxide	ND	0.001	0.0003	2
Heptachlor	ND	0.001	0.0001	2
Methoxyclor	ND	0.001	0.0001	2
Toxaphene	ND	0.020	0.0100	2

COMMENTS:
DF = Dilution Factor
MDL = Method Detection Limit
PQL = Practical Quantitation Limit
Actual Detection Limit = PQL X DF
J = Trace Concentration between MDL and PQL
ND = Below the Actual Detection Limit or non-detected

DATA REVIEWED AND APPROVED BY: _____
CAL-DHS ELAP CERTIFICATE No.: 1555

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

METHOD BLANK REPORT

CUSTOMER: Leighton Consulting, Inc.
10532 Acacia, Suite B-6, Rancho Cucamonga, CA 91730
Tel: (909) 202-1662 E-Mail: RHansen@LeightonGroup.com

PROJECT: Proposed Jefferson Fontana Mixed Use Residential Development
PROJECT NO.: 13584.002

MATRIX: SOIL
SAMPLING DATE: 06/24/22
REPORT TO: Mr. ROBERT HANSEN

DATE RECEIVED: 06/24/22
DATE EXTRACTED: 06/27/22
DATE ANALYZED: 06/27/22
DATE REPORTED: 07/01/22

METHOD BLANK FOR LAB I.D.:
220624-24, -26, -28, -30, -32, -34, -36, -38, -42

Organochlorine Pesticides Analysis
method: EPA 8081A
Unit: mg/Kg = Milligram Per Kilogram = PPM

PARAMETER	SAMPLE RESULT	PQL	MDL	DF
Aldrin	ND	0.001	0.0001	1
alpha-BHC	ND	0.001	0.0002	1
beta-BHC	ND	0.001	0.0001	1
gamma-BHC (Lindane)	ND	0.001	0.0001	1
delta-BHC	ND	0.001	0.0002	1
alpha-Chlordane	ND	0.001	0.0002	1
gamma-Chlordane	ND	0.001	0.0001	1
Technical Chlordane	ND	0.005	0.0005	1
4,4'-DDD	ND	0.001	0.0003	1
4,4'-DDE	ND	0.001	0.0003	1
4,4'-DDT	ND	0.001	0.0001	1
Dieldrin	ND	0.001	0.0003	1
Endosulfan I	ND	0.001	0.0002	1
Endosulfan II	ND	0.001	0.0001	1
Endosulfan Sulfate	ND	0.001	0.0001	1
Endrin	ND	0.001	0.0004	1
Endrin Aldehyde	ND	0.001	0.0001	1
Endrin Ketone	ND	0.001	0.0001	1
Heptachlor Epoxide	ND	0.001	0.0003	1
Heptachlor	ND	0.001	0.0001	1
Methoxyclor	ND	0.001	0.0001	1
Toxaphene	ND	0.020	0.0100	1

COMMENTS:
DF = Dilution Factor
MDL = Method Detection Limit
PQL = Practical Quantitation Limit
Actual Detection Limit = PQL X DF
J = Trace Concentration between MDL and PQL
ND = Below the Actual Detection Limit or non-detected

DATA REVIEWED AND APPROVED BY: _____
CAL-DHS ELAP CERTIFICATE No.: 1555

Enviro-Chem, Inc.

1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909)590-5905 Fax (909)590-5907

EPA 8081A QA/QC Report

Matrix: **Soil/Solid/Liquid(Oil)** Date Analyzed: **6/27~28/2022**

Unit: **mg/Kg (ppm)**

Matrix Spike (MS)/Matrix Spike Duplicate (MSD)

Spiked Sample Lab I.D.: **220627-LCS 1/2**

Analyte	S.R.	spk conc	MS	%REC	MSD	%REC	%RPD	ACP %RPD	ACP %REC
Gamma-BHC	0.000	0.00500	0.00591	**118%**	0.00555	**111%**	**6%**	**0-20%**	**70-130**
Aldrin	0.000	0.00500	0.00558	**112%**	0.00524	**105%**	**6%**	**0-20%**	**70-130**
4,4-DDE	0.000	0.00500	0.00470	**94%**	0.00425	**85%**	**10%**	**0-20%**	**70-130**

Lab Control Spike (LCS) Recovery:

Analyte	spk conc	LCS	% REC	ACP %REC
Gamma-BHC	0.00500	0.00462	**92%**	**75-125**
Aldrin	0.00500	0.00554	**111%**	**75-125**
4,4-DDE	0.00500	0.00442	**88%**	**75-125**
Dieldrin	0.00500	0.00598	**120%**	**75-125**

Surrogate Recovery	ACP%	%REC	%REC	%REC	%REC	%REC	%REC	%REC
Sample I.D.		MB	220624-24	220624-26	220624-28	220624-30	220624-32	220624-34
Tetra-chloro-meta-xylene	50-150	123%	93%	126%	93%	81%	99%	129%
Decachlorobiphenyl	50-150	80%	58%	69%	75%	55%	54%	53%

Surrogate Recovery	ACP%	%REC	%REC	%REC	%REC	%REC	%REC	%REC
Sample I.D.		220624-36	220624-38	220624-42				
Tetra-chloro-meta-xylene	50-150	237*%	128%	118%				
Decachlorobiphenyl	50-150	53%	115%	138%				

Surrogate Recovery	ACP%	%REC	%REC	%REC	%REC	%REC	%REC	%REC
Sample I.D.								
Tetra-chloro-meta-xylene	50-150							
Decachlorobiphenyl	50-150							

S.R. = Sample Result

spk conc = Spike Concentration

%REC = Percent Recovery

ACP %RPD = Acceptable Percent RPD Range

ACP %REC = Acceptable Percent Recovery Range

** = Surrogate fail due to matrix interference (If Marked)*

Note: *LCS, MS, MSD are in control therefore results are in control.*

Analyzed and Reviewed By: KL

Final Reviewer:

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

CUSTOMER: **Leighton Consulting, Inc.**
10532 Acacia, Suite B-6, Rancho Cucamonga, CA 91730
Tel:(909)202-1662 E-Mail: RHansen@LeightonGroup.com

PROJECT: **Proposed Jefferson Fontana Mixed Use Residential Development**
PROJECT NO.: **13584.002**

MATRIX:SOIL
SAMPLING DATE:06/24/22
REPORT TO:Mr. ROBERT HANSEN

DATE RECEIVED:06/24/22
DATE EXTRACTED:06/27/22
DATE ANALYZED:06/27/22
DATE REPORTED:07/01/22

SAMPLE I.D.: **SS1-0.5'** LAB I.D.: 220624-36

SEMI-VOLATILE ORGANICS, EPA 8270C, PAGE 1 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL	MDL	DF
Acenaphthene	ND	0.50	0.017	2*
Acenaphthylene	ND	0.50	0.028	2*
Anthracene	ND	0.50	0.028	2*
Benzo(a)anthracene	ND	0.50	0.080	2*
Benzo(b)fluoranthene	ND	0.50	0.104	2*
Benzo(a)pyrene	ND	0.50	0.049	2*
Benzo(g,h,i)perylene	ND	0.50	0.044	2*
Benzo(k)fluoranthene	ND	0.50	0.150	2*
Benzoic Acid	ND	0.50	0.387	2*
Benzyl Alcohol	ND	0.50	0.021	2*
Bis(2-Chloroethoxy)methane	ND	0.50	0.026	2*
Bis(2-Chloroethyl)ether	ND	0.50	0.015	2*
Bis(2-Chloroisopropyl)ether	ND	0.50	0.044	2*
Bis(2-Ethylhexyl)Phthalate	ND	0.50	0.037	2*
4-Bromophenyl Phenyl Ether	ND	0.50	0.061	2*
Butylbenzylphthalate	ND	0.50	0.031	2*
4-Chloro-3-Methylphenol	ND	0.50	0.035	2*
4-Chloroaniline	ND	0.50	0.043	2*
2-Chloronaphthalene	ND	0.50	0.038	2*
2-Chlorophenol	ND	0.50	0.024	2*
4-Chlorophenyl Phenyl Ether	ND	0.50	0.027	2*
Chrysene	ND	0.50	0.036	2*
Di-n-butylphthalate	ND	0.50	0.028	2*
Di-n-octylphthalate	ND	0.50	0.037	2*
Dibenzo(a,h)anthracene	ND	0.50	0.047	2*
Dibenzofuran	ND	0.50	0.041	2*
1,2-Dichlorobenzene	ND	0.50	0.039	2*
1,3-Dichlorobenzene	ND	0.50	0.039	2*
1,4-Dichlorobenzene	ND	0.50	0.029	2*
3,3-Dichlorobenzidine	ND	0.50	0.075	2*
2,4-Dichlorophenol	ND	0.50	0.028	2*
Diethyl Phthalate	ND	0.50	0.029	2*
2,4-Dimethylphenol	ND	0.50	0.023	2*
Dimethyl Phthalate	ND	0.50	0.018	2*

----- TO BE CONTINUED ON PAGE #2 -----

DATA REVIEWED AND APPROVED BY: _____

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

CUSTOMER: **Leighton Consulting, Inc.**
10532 Acacia, Suite B-6, Rancho Cucamonga, CA 91730
Tel:(909)202-1662 E-Mail: RHansen@LeightonGroup.com

PROJECT: **Proposed Jefferson Fontana Mixed Use Residential Development**
PROJECT NO.: **13584.002**

MATRIX:SOIL
SAMPLING DATE:06/24/22
REPORT TO:Mr. ROBERT HANSEN

DATE RECEIVED:06/24/22
DATE EXTRACTED:06/27/22
DATE ANALYZED:06/27/22
DATE REPORTED:07/01/22

SAMPLE I.D.: **SS1-0.5'** LAB I.D.: 220624-36

SEMI-VOLATILE ORGANICS, EPA 8270C, PAGE 2 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL	MDL	DF
4,6-Dinitro-2-methylphenol	ND	0.50	0.045	2*
2,4-Dinitrophenol	ND	0.50	0.047	2*
2,4-Dinitrotoluene	ND	0.50	0.024	2*
2,6-Dinitrotoluene	ND	0.50	0.050	2*
Fluoranthene	ND	0.50	0.022	2*
Fluorene	ND	0.50	0.026	2*
Hexachlorobenzene	ND	0.50	0.031	2*
Hexachlorobutadiene	ND	0.50	0.022	2*
Hexachlorocyclopentadiene	ND	0.50	0.041	2*
Hexachloroethane	ND	0.50	0.030	2*
Indeno(1,2,3-cd)pyrene	ND	0.50	0.046	2*
Isophorone	ND	0.50	0.026	2*
2-Methyl Phenol	ND	0.50	0.042	2*
3/4-Methyl Phenol	ND	0.50	0.037	2*
2-Methylnaphthalene	ND	0.50	0.036	2*
N-Nitroso-di-n-dipropylamine	ND	0.50	0.024	2*
N-Nitrosodimethylamine	ND	0.50	0.015	2*
N-Nitrosodiphenylamine	ND	0.50	0.042	2*
Naphthalene	ND	0.50	0.014	2*
2-Nitroaniline	ND	0.50	0.026	2*
3-Nitroaniline	ND	0.50	0.043	2*
4-Nitroaniline	ND	0.50	0.052	2*
Nitrobenzene	ND	0.50	0.157	2*
2-Nitrophenol	ND	0.50	0.031	2*
4-Nitrophenol	ND	0.50	0.040	2*
Pentachlorophenol	ND	0.50	0.048	2*
Phenanthrene	ND	0.50	0.036	2*
Phenol	ND	0.50	0.031	2*
Pyrene	ND	0.50	0.043	2*
1,2,4-Trichlorobenzene	ND	0.50	0.030	2*
2,4,5-Trichlorophenol	ND	0.50	0.054	2*
2,4,6-Trichlorophenol	ND	0.50	0.041	2*

COMMENTS DF = DILUTION FACTOR
MDL = METHOD DETECTION LIMIT / PQL = PRACTICAL QUANTITATION LIMIT
J = TRACE CONCENTRATION BETWEEN MDL AND PQL
ACTUAL DETECTION LIMIT = PQL X DF
ND = NON-DETECTED OR BELOW THE ACTUAL DETECTION LIMIT
* = ACTUAL DETECTION LIMIT RAISED DUE TO MATRIX INTERFERENCE
DATA REVIEWED AND APPROVED BY: _____
CAL-DHS ELAP CERTIFICATE No.: 1555

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

CUSTOMER: **Leighton Consulting, Inc.**
10532 Acacia, Suite B-6, Rancho Cucamonga, CA 91730
Tel:(909)202-1662 E-Mail: RHansen@LeightonGroup.com

PROJECT: **Proposed Jefferson Fontana Mixed Use Residential Development**
PROJECT NO.: **13584.002**

MATRIX:SOIL
SAMPLING DATE:06/24/22
REPORT TO:Mr. ROBERT HANSEN

DATE RECEIVED:06/24/22
DATE EXTRACTED:06/27/22
DATE ANALYZED:06/27/22
DATE REPORTED:07/01/22

SAMPLE I.D.: **SS2-0.5'** LAB I.D.: 220624-38

SEMI-VOLATILE ORGANICS, EPA 8270C, PAGE 1 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL	MDL	DF
Acenaphthene	ND	0.50	0.017	2*
Acenaphthylene	ND	0.50	0.028	2*
Anthracene	ND	0.50	0.028	2*
Benzo(a)anthracene	ND	0.50	0.080	2*
Benzo(b)fluoranthene	ND	0.50	0.104	2*
Benzo(a)pyrene	ND	0.50	0.049	2*
Benzo(g,h,i)perylene	ND	0.50	0.044	2*
Benzo(k)fluoranthene	ND	0.50	0.150	2*
Benzoic Acid	ND	0.50	0.387	2*
Benzyl Alcohol	ND	0.50	0.021	2*
Bis(2-Chloroethoxy)methane	ND	0.50	0.026	2*
Bis(2-Chloroethyl)ether	ND	0.50	0.015	2*
Bis(2-Chloroisopropyl)ether	ND	0.50	0.044	2*
Bis(2-Ethylhexyl)Phthalate	ND	0.50	0.037	2*
4-Bromophenyl Phenyl Ether	ND	0.50	0.061	2*
Butylbenzylphthalate	ND	0.50	0.031	2*
4-Chloro-3-Methylphenol	ND	0.50	0.035	2*
4-Chloroaniline	ND	0.50	0.043	2*
2-Chloronaphthalene	ND	0.50	0.038	2*
2-Chlorophenol	ND	0.50	0.024	2*
4-Chlorophenyl Phenyl Ether	ND	0.50	0.027	2*
Chrysene	ND	0.50	0.036	2*
Di-n-butylphthalate	ND	0.50	0.028	2*
Di-n-octylphthalate	ND	0.50	0.037	2*
Dibenzo(a,h)anthracene	ND	0.50	0.047	2*
Dibenzofuran	ND	0.50	0.041	2*
1,2-Dichlorobenzene	ND	0.50	0.039	2*
1,3-Dichlorobenzene	ND	0.50	0.039	2*
1,4-Dichlorobenzene	ND	0.50	0.029	2*
3,3-Dichlorobenzidine	ND	0.50	0.075	2*
2,4-Dichlorophenol	ND	0.50	0.028	2*
Diethyl Phthalate	ND	0.50	0.029	2*
2,4-Dimethylphenol	ND	0.50	0.023	2*
Dimethyl Phthalate	ND	0.50	0.018	2*

----- TO BE CONTINUED ON PAGE #2 -----

DATA REVIEWED AND APPROVED BY: _____

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

CUSTOMER: **Leighton Consulting, Inc.**
10532 Acacia, Suite B-6, Rancho Cucamonga, CA 91730
Tel:(909)202-1662 E-Mail: RHansen@LeightonGroup.com

PROJECT: **Proposed Jefferson Fontana Mixed Use Residential Development**
PROJECT NO.: **13584.002**

MATRIX:SOIL
SAMPLING DATE:06/24/22
REPORT TO:Mr. ROBERT HANSEN

DATE RECEIVED:06/24/22
DATE EXTRACTED:06/27/22
DATE ANALYZED:06/27/22
DATE REPORTED:07/01/22

SAMPLE I.D.: **SS2-0.5'** LAB I.D.: 220624-38

SEMI-VOLATILE ORGANICS, EPA 8270C, PAGE 2 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL	MDL	DF
4,6-Dinitro-2-methylphenol	ND	0.50	0.045	2*
2,4-Dinitrophenol	ND	0.50	0.047	2*
2,4-Dinitrotoluene	ND	0.50	0.024	2*
2,6-Dinitrotoluene	ND	0.50	0.050	2*
Fluoranthene	ND	0.50	0.022	2*
Fluorene	ND	0.50	0.026	2*
Hexachlorobenzene	ND	0.50	0.031	2*
Hexachlorobutadiene	ND	0.50	0.022	2*
Hexachlorocyclopentadiene	ND	0.50	0.041	2*
Hexachloroethane	ND	0.50	0.030	2*
Indeno(1,2,3-cd)pyrene	ND	0.50	0.046	2*
Isophorone	ND	0.50	0.026	2*
2-Methyl Phenol	ND	0.50	0.042	2*
3/4-Methyl Phenol	ND	0.50	0.037	2*
2-Methylnaphthalene	ND	0.50	0.036	2*
N-Nitroso-di-n-dipropylamine	ND	0.50	0.024	2*
N-Nitrosodimethylamine	ND	0.50	0.015	2*
N-Nitrosodiphenylamine	ND	0.50	0.042	2*
Naphthalene	ND	0.50	0.014	2*
2-Nitroaniline	ND	0.50	0.026	2*
3-Nitroaniline	ND	0.50	0.043	2*
4-Nitroaniline	ND	0.50	0.052	2*
Nitrobenzene	ND	0.50	0.157	2*
2-Nitrophenol	ND	0.50	0.031	2*
4-Nitrophenol	ND	0.50	0.040	2*
Pentachlorophenol	ND	0.50	0.048	2*
Phenanthrene	ND	0.50	0.036	2*
Phenol	ND	0.50	0.031	2*
Pyrene	ND	0.50	0.043	2*
1,2,4-Trichlorobenzene	ND	0.50	0.030	2*
2,4,5-Trichlorophenol	ND	0.50	0.054	2*
2,4,6-Trichlorophenol	ND	0.50	0.041	2*

COMMENTS DF = DILUTION FACTOR
MDL = METHOD DETECTION LIMIT / PQL = PRACTICAL QUANTITATION LIMIT
J = TRACE CONCENTRATION BETWEEN MDL AND PQL
ACTUAL DETECTION LIMIT = PQL X DF
ND = NON-DETECTED OR BELOW THE ACTUAL DETECTION LIMIT
* = ACTUAL DETECTION LIMIT RAISED DUE TO MATRIX INTERFERENCE
DATA REVIEWED AND APPROVED BY: _____
CAL-DHS ELAP CERTIFICATE No.: 1555

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

CUSTOMER: **Leighton Consulting, Inc.**
10532 Acacia, Suite B-6, Rancho Cucamonga, CA 91730
Tel:(909)202-1662 E-Mail: RHansen@LeightonGroup.com

PROJECT: **Proposed Jefferson Fontana Mixed Use Residential Development**
PROJECT NO.: **13584.002**

MATRIX:SOIL
SAMPLING DATE:06/24/22
REPORT TO:Mr. ROBERT HANSEN

DATE RECEIVED:06/24/22
DATE EXTRACTED:06/27/22
DATE ANALYZED:06/27/22
DATE REPORTED:07/01/22

SAMPLE I.D.: **TR1-0.5'** LAB I.D.: 220624-40

SEMI-VOLATILE ORGANICS, EPA 8270C, PAGE 1 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL	MDL	DF
Acenaphthene	ND	0.50	0.017	2*
Acenaphthylene	ND	0.50	0.028	2*
Anthracene	ND	0.50	0.028	2*
Benzo(a)anthracene	ND	0.50	0.080	2*
Benzo(b)fluoranthene	ND	0.50	0.104	2*
Benzo(a)pyrene	ND	0.50	0.049	2*
Benzo(g,h,i)perylene	ND	0.50	0.044	2*
Benzo(k)fluoranthene	ND	0.50	0.150	2*
Benzoic Acid	ND	0.50	0.387	2*
Benzyl Alcohol	ND	0.50	0.021	2*
Bis(2-Chloroethoxy)methane	ND	0.50	0.026	2*
Bis(2-Chloroethyl)ether	ND	0.50	0.015	2*
Bis(2-Chloroisopropyl)ether	ND	0.50	0.044	2*
Bis(2-Ethylhexyl)Phthalate	ND	0.50	0.037	2*
4-Bromophenyl Phenyl Ether	ND	0.50	0.061	2*
Butylbenzylphthalate	ND	0.50	0.031	2*
4-Chloro-3-Methylphenol	ND	0.50	0.035	2*
4-Chloroaniline	ND	0.50	0.043	2*
2-Chloronaphthalene	ND	0.50	0.038	2*
2-Chlorophenol	ND	0.50	0.024	2*
4-Chlorophenyl Phenyl Ether	ND	0.50	0.027	2*
Chrysene	ND	0.50	0.036	2*
Di-n-butylphthalate	ND	0.50	0.028	2*
Di-n-octylphthalate	ND	0.50	0.037	2*
Dibenzo(a,h)anthracene	ND	0.50	0.047	2*
Dibenzofuran	ND	0.50	0.041	2*
1,2-Dichlorobenzene	ND	0.50	0.039	2*
1,3-Dichlorobenzene	ND	0.50	0.039	2*
1,4-Dichlorobenzene	ND	0.50	0.029	2*
3,3-Dichlorobenzidine	ND	0.50	0.075	2*
2,4-Dichlorophenol	ND	0.50	0.028	2*
Diethyl Phthalate	ND	0.50	0.029	2*
2,4-Dimethylphenol	ND	0.50	0.023	2*
Dimethyl Phthalate	ND	0.50	0.018	2*

----- TO BE CONTINUED ON PAGE #2 -----

DATA REVIEWED AND APPROVED BY: _____

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

CUSTOMER: **Leighton Consulting, Inc.**
10532 Acacia, Suite B-6, Rancho Cucamonga, CA 91730
Tel:(909)202-1662 E-Mail: RHansen@LeightonGroup.com

PROJECT: **Proposed Jefferson Fontana Mixed Use Residential Development**
PROJECT NO.: **13584.002**

MATRIX:SOIL
SAMPLING DATE:06/24/22
REPORT TO:Mr. ROBERT HANSEN

DATE RECEIVED:06/24/22
DATE EXTRACTED:06/27/22
DATE ANALYZED:06/27/22
DATE REPORTED:07/01/22

SAMPLE I.D.: **TR1-0.5'**
LAB I.D.: 220624-40

SEMI-VOLATILE ORGANICS, EPA 8270C, PAGE 2 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL	MDL	DF
4,6-Dinitro-2-methylphenol	ND	0.50	0.045	2*
2,4-Dinitrophenol	ND	0.50	0.047	2*
2,4-Dinitrotoluene	ND	0.50	0.024	2*
2,6-Dinitrotoluene	ND	0.50	0.050	2*
Fluoranthene	ND	0.50	0.022	2*
Fluorene	ND	0.50	0.026	2*
Hexachlorobenzene	ND	0.50	0.031	2*
Hexachlorobutadiene	ND	0.50	0.022	2*
Hexachlorocyclopentadiene	ND	0.50	0.041	2*
Hexachloroethane	ND	0.50	0.030	2*
Indeno(1,2,3-cd)pyrene	ND	0.50	0.046	2*
Isophorone	ND	0.50	0.026	2*
2-Methyl Phenol	ND	0.50	0.042	2*
3/4-Methyl Phenol	ND	0.50	0.037	2*
2-Methylnaphthalene	ND	0.50	0.036	2*
N-Nitroso-di-n-dipropylamine	ND	0.50	0.024	2*
N-Nitrosodimethylamine	ND	0.50	0.015	2*
N-Nitrosodiphenylamine	ND	0.50	0.042	2*
Naphthalene	ND	0.50	0.014	2*
2-Nitroaniline	ND	0.50	0.026	2*
3-Nitroaniline	ND	0.50	0.043	2*
4-Nitroaniline	ND	0.50	0.052	2*
Nitrobenzene	ND	0.50	0.157	2*
2-Nitrophenol	ND	0.50	0.031	2*
4-Nitrophenol	ND	0.50	0.040	2*
Pentachlorophenol	ND	0.50	0.048	2*
Phenanthrene	ND	0.50	0.036	2*
Phenol	ND	0.50	0.031	2*
Pyrene	ND	0.50	0.043	2*
1,2,4-Trichlorobenzene	ND	0.50	0.030	2*
2,4,5-Trichlorophenol	ND	0.50	0.054	2*
2,4,6-Trichlorophenol	ND	0.50	0.041	2*

COMMENTS DF = DILUTION FACTOR
MDL = METHOD DETECTION LIMIT / PQL = PRACTICAL QUANTITATION LIMIT
J = TRACE CONCENTRATION BETWEEN MDL AND PQL
ACTUAL DETECTION LIMIT = PQL X DF
ND = NON-DETECTED OR BELOW THE ACTUAL DETECTION LIMIT
* = ACTUAL DETECTION LIMIT RAISED DUE TO MATRIX INTERFERENCE
DATA REVIEWED AND APPROVED BY: _____
CAL-DHS ELAP CERTIFICATE No.: 1555

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

CUSTOMER: **Leighton Consulting, Inc.**
10532 Acacia, Suite B-6, Rancho Cucamonga, CA 91730
Tel:(909)202-1662 E-Mail: RHansen@LeightonGroup.com

PROJECT: **Proposed Jefferson Fontana Mixed Use Residential Development**
PROJECT NO.: **13584.002**

MATRIX:SOIL
SAMPLING DATE:06/24/22
REPORT TO:Mr. ROBERT HANSEN

DATE RECEIVED:06/24/22
DATE EXTRACTED:06/27/22
DATE ANALYZED:06/27/22
DATE REPORTED:07/01/22

SAMPLE I.D.: **SP1** LAB I.D.: 220624-42

SEMI-VOLATILE ORGANICS, EPA 8270C, PAGE 1 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL	MDL	DF
Acenaphthene	ND	0.50	0.017	2*
Acenaphthylene	ND	0.50	0.028	2*
Anthracene	ND	0.50	0.028	2*
Benzo(a)anthracene	ND	0.50	0.080	2*
Benzo(b)fluoranthene	ND	0.50	0.104	2*
Benzo(a)pyrene	ND	0.50	0.049	2*
Benzo(g,h,i)perylene	ND	0.50	0.044	2*
Benzo(k)fluoranthene	ND	0.50	0.150	2*
Benzoic Acid	ND	0.50	0.387	2*
Benzyl Alcohol	ND	0.50	0.021	2*
Bis(2-Chloroethoxy)methane	ND	0.50	0.026	2*
Bis(2-Chloroethyl)ether	ND	0.50	0.015	2*
Bis(2-Chloroisopropyl)ether	ND	0.50	0.044	2*
Bis(2-Ethylhexyl)Phthalate	ND	0.50	0.037	2*
4-Bromophenyl Phenyl Ether	ND	0.50	0.061	2*
Butylbenzylphthalate	ND	0.50	0.031	2*
4-Chloro-3-Methylphenol	ND	0.50	0.035	2*
4-Chloroaniline	ND	0.50	0.043	2*
2-Chloronaphthalene	ND	0.50	0.038	2*
2-Chlorophenol	ND	0.50	0.024	2*
4-Chlorophenyl Phenyl Ether	ND	0.50	0.027	2*
Chrysene	ND	0.50	0.036	2*
Di-n-butylphthalate	ND	0.50	0.028	2*
Di-n-octylphthalate	ND	0.50	0.037	2*
Dibenzo(a,h)anthracene	ND	0.50	0.047	2*
Dibenzofuran	ND	0.50	0.041	2*
1,2-Dichlorobenzene	ND	0.50	0.039	2*
1,3-Dichlorobenzene	ND	0.50	0.039	2*
1,4-Dichlorobenzene	ND	0.50	0.029	2*
3,3-Dichlorobenzidine	ND	0.50	0.075	2*
2,4-Dichlorophenol	ND	0.50	0.028	2*
Diethyl Phthalate	ND	0.50	0.029	2*
2,4-Dimethylphenol	ND	0.50	0.023	2*
Dimethyl Phthalate	ND	0.50	0.018	2*

----- TO BE CONTINUED ON PAGE #2 -----

DATA REVIEWED AND APPROVED BY: _____

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

CUSTOMER: **Leighton Consulting, Inc.**
10532 Acacia, Suite B-6, Rancho Cucamonga, CA 91730
Tel:(909)202-1662 E-Mail: RHansen@LeightonGroup.com

PROJECT: **Proposed Jefferson Fontana Mixed Use Residential Development**
PROJECT NO.: **13584.002**

MATRIX:SOIL
SAMPLING DATE:06/24/22
REPORT TO:Mr. ROBERT HANSEN

DATE RECEIVED:06/24/22
DATE EXTRACTED:06/27/22
DATE ANALYZED:06/27/22
DATE REPORTED:07/01/22

SAMPLE I.D.: **SP1** LAB I.D.: 220624-42

SEMI-VOLATILE ORGANICS, EPA 8270C, PAGE 2 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL	MDL	DF
4,6-Dinitro-2-methylphenol	ND	0.50	0.045	2*
2,4-Dinitrophenol	ND	0.50	0.047	2*
2,4-Dinitrotoluene	ND	0.50	0.024	2*
2,6-Dinitrotoluene	ND	0.50	0.050	2*
Fluoranthene	ND	0.50	0.022	2*
Fluorene	ND	0.50	0.026	2*
Hexachlorobenzene	ND	0.50	0.031	2*
Hexachlorobutadiene	ND	0.50	0.022	2*
Hexachlorocyclopentadiene	ND	0.50	0.041	2*
Hexachloroethane	ND	0.50	0.030	2*
Indeno(1,2,3-cd)pyrene	ND	0.50	0.046	2*
Isophorone	ND	0.50	0.026	2*
2-Methyl Phenol	ND	0.50	0.042	2*
3/4-Methyl Phenol	ND	0.50	0.037	2*
2-Methylnaphthalene	ND	0.50	0.036	2*
N-Nitroso-di-n-dipropylamine	ND	0.50	0.024	2*
N-Nitrosodimethylamine	ND	0.50	0.015	2*
N-Nitrosodiphenylamine	ND	0.50	0.042	2*
Naphthalene	ND	0.50	0.014	2*
2-Nitroaniline	ND	0.50	0.026	2*
3-Nitroaniline	ND	0.50	0.043	2*
4-Nitroaniline	ND	0.50	0.052	2*
Nitrobenzene	ND	0.50	0.157	2*
2-Nitrophenol	ND	0.50	0.031	2*
4-Nitrophenol	ND	0.50	0.040	2*
Pentachlorophenol	ND	0.50	0.048	2*
Phenanthrene	ND	0.50	0.036	2*
Phenol	ND	0.50	0.031	2*
Pyrene	ND	0.50	0.043	2*
1,2,4-Trichlorobenzene	ND	0.50	0.030	2*
2,4,5-Trichlorophenol	ND	0.50	0.054	2*
2,4,6-Trichlorophenol	ND	0.50	0.041	2*

COMMENTS DF = DILUTION FACTOR
MDL = METHOD DETECTION LIMIT / PQL = PRACTICAL QUANTITATION LIMIT
J = TRACE CONCENTRATION BETWEEN MDL AND PQL
ACTUAL DETECTION LIMIT = PQL X DF
ND = NON-DETECTED OR BELOW THE ACTUAL DETECTION LIMIT
* = ACTUAL DETECTION LIMIT RAISED DUE TO MATRIX INTERFERENCE
DATA REVIEWED AND APPROVED BY: _____
CAL-DHS ELAP CERTIFICATE No.: 1555

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

METHOD BLANK REPORT

CUSTOMER: **Leighton Consulting, Inc.**
10532 Acacia, Suite B-6, Rancho Cucamonga, CA 91730
Tel:(909)202-1662 E-Mail: RHansen@LeightonGroup.com

PROJECT: **Proposed Jefferson Fontana Mixed Use Residential Development**
PROJECT NO.: **13584.002**

MATRIX:SOIL
SAMPLING DATE:06/24/22
REPORT TO:Mr. ROBERT HANSEN

DATE RECEIVED:06/24/22
DATE EXTRACTED:06/27/22
DATE ANALYZED:06/27/22
DATE REPORTED:07/01/22

METHOD BLANK FOR LAB I.D.: 220624-36, -38, -40, -42

SEMI-VOLATILE ORGANICS, EPA 8270C, PAGE 1 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL	MDL	DF
Acenaphthene	ND	0.50	0.017	1
Acenaphthylene	ND	0.50	0.028	1
Anthracene	ND	0.50	0.028	1
Benzo(a)anthracene	ND	0.50	0.080	1
Benzo(b)fluoranthene	ND	0.50	0.104	1
Benzo(a)pyrene	ND	0.50	0.049	1
Benzo(g,h,i)perylene	ND	0.50	0.044	1
Benzo(k)fluoranthene	ND	0.50	0.150	1
Benzoic Acid	ND	0.50	0.387	1
Benzyl Alcohol	ND	0.50	0.021	1
Bis(2-Chloroethoxy)methane	ND	0.50	0.026	1
Bis(2-Chloroethyl)ether	ND	0.50	0.015	1
Bis(2-Chloroisopropyl)ether	ND	0.50	0.044	1
Bis(2-Ethylhexyl)Phthalate	ND	0.50	0.037	1
4-Bromophenyl Phenyl Ether	ND	0.50	0.061	1
Butylbenzylphthalate	ND	0.50	0.031	1
4-Chloro-3-Methylphenol	ND	0.50	0.035	1
4-Chloroaniline	ND	0.50	0.043	1
2-Chloronaphthalene	ND	0.50	0.038	1
2-Chlorophenol	ND	0.50	0.024	1
4-Chlorophenyl Phenyl Ether	ND	0.50	0.027	1
Chrysene	ND	0.50	0.036	1
Di-n-butylphthalate	ND	0.50	0.028	1
Di-n-octylphthalate	ND	0.50	0.037	1
Dibenzo(a,h)anthracene	ND	0.50	0.047	1
Dibenzofuran	ND	0.50	0.041	1
1,2-Dichlorobenzene	ND	0.50	0.039	1
1,3-Dichlorobenzene	ND	0.50	0.039	1
1,4-Dichlorobenzene	ND	0.50	0.029	1
3,3-Dichlorobenzidine	ND	0.50	0.075	1
2,4-Dichlorophenol	ND	0.50	0.028	1
Diethyl Phthalate	ND	0.50	0.029	1
2,4-Dimethylphenol	ND	0.50	0.023	1
Dimethyl Phthalate	ND	0.50	0.018	1

----- TO BE CONTINUED ON PAGE #2 -----

DATA REVIEWED AND APPROVED BY: _____

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

METHOD BLANK REPORT

CUSTOMER: Leighton Consulting, Inc.
10532 Acacia, Suite B-6, Rancho Cucamonga, CA 91730
Tel: (909) 202-1662 E-Mail: RHansen@LeightonGroup.com

PROJECT: Proposed Jefferson Fontana Mixed Use Residential Development
PROJECT NO.: 13584.002

MATRIX: SOIL
SAMPLING DATE: 06/24/22
REPORT TO: Mr. ROBERT HANSEN

DATE RECEIVED: 06/24/22
DATE EXTRACTED: 06/27/22
DATE ANALYZED: 06/27/22
DATE REPORTED: 07/01/22

METHOD BLANK FOR LAB I.D.: 220624-36, -38, -40, -42

SEMI-VOLATILE ORGANICS, EPA 8270C, PAGE 2 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL	MDL	DF
4,6-Dinitro-2-methylphenol	ND	0.50	0.045	1
2,4-Dinitrophenol	ND	0.50	0.047	1
2,4-Dinitrotoluene	ND	0.50	0.024	1
2,6-Dinitrotoluene	ND	0.50	0.050	1
Fluoranthene	ND	0.50	0.022	1
Fluorene	ND	0.50	0.026	1
Hexachlorobenzene	ND	0.50	0.031	1
Hexachlorobutadiene	ND	0.50	0.022	1
Hexachlorocyclopentadiene	ND	0.50	0.041	1
Hexachloroethane	ND	0.50	0.030	1
Indeno(1,2,3-cd)pyrene	ND	0.50	0.046	1
Isophorone	ND	0.50	0.026	1
2-Methyl Phenol	ND	0.50	0.042	1
3/4-Methyl Phenol	ND	0.50	0.037	1
2-Methylnaphthalene	ND	0.50	0.036	1
N-Nitroso-di-n-dipropylamine	ND	0.50	0.024	1
N-Nitrosodimethylamine	ND	0.50	0.015	1
N-Nitrosodiphenylamine	ND	0.50	0.042	1
Naphthalene	ND	0.50	0.014	1
2-Nitroaniline	ND	0.50	0.026	1
3-Nitroaniline	ND	0.50	0.043	1
4-Nitroaniline	ND	0.50	0.052	1
Nitrobenzene	ND	0.50	0.157	1
2-Nitrophenol	ND	0.50	0.031	1
4-Nitrophenol	ND	0.50	0.040	1
Pentachlorophenol	ND	0.50	0.048	1
Phenanthrene	ND	0.50	0.036	1
Phenol	ND	0.50	0.031	1
Pyrene	ND	0.50	0.043	1
1,2,4-Trichlorobenzene	ND	0.50	0.030	1
2,4,5-Trichlorophenol	ND	0.50	0.054	1
2,4,6-Trichlorophenol	ND	0.50	0.041	1

COMMENTS DF = DILUTION FACTOR
MDL = METHOD DETECTION LIMIT / PQL = PRACTICAL QUANTITATION LIMIT
J = TRACE CONCENTRATION BETWEEN MDL AND PQL
ACTUAL DETECTION LIMIT = PQL X DF
ND = NON-DETECTED OR BELOW THE ACTUAL DETECTION LIMIT
DATA REVIEWED AND APPROVED BY: _____
CAL-DHS ELAP CERTIFICATE No.: 1555

Enviro-Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909)590-5905 Fax (909)590-5907

8270C QA/QC Report

Matrix: **Soil/Solid/Sludge/Oil** Unit: mg/Kg (PPM)

Date Analyzed: 6/27/2022

Matrix Spike (MS)/Matrix Spike Duplicate (MSD)

Spiked Sample Lab I.D.: **220627-5 MS/MSD**

Analyte	SR	spk conc	MS	%MS	MSD	%MSD	%RPD	ACP %MS	ACP RPD
Phenol	0.0	2.00	2.04	**102%**	2.08	**104%**	**2%**	50-150	0-20
Pyrene	0.0	2.00	2.70	**135%**	2.93	**147%**	**8%**	50-150	0-20

Laboratory Control Spike (LCS):

Analyte	spk conc	LCS	% RC	ACP %RC
Phenol	2.00	1.70	**85%**	75-125
1,4-Dichlorobenzene	2.00	2.10	**105%**	75-125
2,4-Dichlorophenol	2.00	2.17	**109%**	75-125
Hexachlorobutadiene	2.00	2.39	**119%**	75-125
4-Chloro-3-methylphenol	2.00	1.93	**96%**	75-125
Fluoranthene	2.00	2.06	**103%**	75-125

Surrogate Recovery	spk conc	ACP%	%RC	%RC	%RC	%RC	%RC	%RC	%RC
Sample I.D.			**MB**	**220627-5**	**220624-18**	**220624-19**	**220624-20**	**220624-36**	**220624-38**
2-Fluorophenol	40	25-121	54%	69%	62%	58%	52%	75%	94%
Phenol-d5	40	24-113	55%	61%	65%	57%	51%	83%	64%
Nitrobenzene-d5	40	23-120	61%	67%	64%	60%	55%	80%	71%
2-Fluorobiphenyl	40	30-115	114%	123*%	119%	122*%	111%	104%	113%
2,4,6-Tribromophenol	40	19-122	84%	68%	114%	76%	62%	154*%	156*%
Terphenyl-d14	40	18-137	109%	120%	111%	118%	104%	98%	115%

Surrogate Recovery	spk conc	ACP%	%RC	%RC	%RC	%RC	%RC	%RC	%RC
Sample I.D.			**220624-40**	**220624-42**					
2-Fluorophenol	40	25-121	94%	64%					
Phenol-d5	40	24-113	63%	59%					
Nitrobenzene-d5	40	23-120	65%	65%					
2-Fluorobiphenyl	40	30-115	106%	112%					
2,4,6-Tribromophenol	40	19-122	132*%	123*%					
Terphenyl-d14	40	18-137	101%	101%					

Surrogate Recovery	spk conc	ACP%	%RC	%RC	%RC	%RC	%RC	%RC	%RC
Sample I.D.									
2-Fluorophenol	40	25-121							
Phenol-d5	40	24-113							
Nitrobenzene-d5	40	23-120							
2-Fluorobiphenyl	40	30-115							
2,4,6-Tribromophenol	40	19-122							
Terphenyl-d14	40	18-137							

** = Surrogate fail due to matrix interference*

Note: *LCS, MS, MSD are in control therefore results are in control.*

Analyzed and Reviewed By: _____

Final Reviewer: _____

Enviro-Chem, Inc. Laboratories
1214 E. Lexington Avenue,
Pomona, CA 91766
Tel: (909) 590-5905 Fax: (909) 590-5907
CA-DHS ELAP CERTIFICATE #1555

Turnaround Time
0 Same Day
0 24 Hours
0 48 Hours
0 72 Hours
X 1 Week (Standard)
Other:

SAMPLE ID	LAB ID	SAMPLING DATE	SAMPLING TIME	MATRIX	No. OF CONTAINERS	TEMPERATURE	PRESERVATION	OCPs	Arsenic								COMMENTS
								Analysis Required									
HA1 - 0.5'	220624-24	12/24/22	0850	Soil	1-8oz jar		Ice	X	X								
HA1 - 1.5'	-25		0855														
HA2 - 0.5'	-26		0904					X	X								
HA2 - 1.5'	-27		0911														
HA3 - 0.5'	-28		1005					X	X								
HA3 - 1.5'	-29		1010														
HA4 - 0.5'	-30		1020					X	X								
HA4 - 1.5'	-31		1025														
HA5 - 0.5'	-32		1115					X	X								
HA5 - 1.5'	-33		1140														
HA6 - 0.5'	-34		1050					X	X								
HA6 - 1.5'	-35		1055														
					8oz jar												

Company Name: Leighton and Associates, Inc.
Address: 10532 Acacia St Ste B1e
City/State/Zip: Rancho Cucamonga CA 91730

Project Contact: Robert Hansen
Tel: (Tracy) TRiggs@leightongroup.com
Fax/Email: rhansen@leightongroup.com

Sampler's Signature:

Project Name/ID: Proposed Jefferson Fontana Mixed-use Residential Development 13584.002

Relinquished by:	Received by: (Curtis Desiree)	Date & Time: 12/24/22	Instructions for Sample Storage After Analysis:
Relinquished by:	Received by:	Date & Time:	O Dispose of O Return to Client O Store (30 Days)
Relinquished by:	Received by:	Date & Time:	O Other:

CHAIN OF CUSTODY RECORD

Date: 12/24/22

WHITE WITH SAMPLE • YELLOW TO CLIENT

Enviro-Chem, Inc. Laboratories
1214 E. Lexington Avenue,
Pomona, CA 91766
Tel: (909) 590-5905 Fax: (909) 590-5907
CA-DHS ELAP CERTIFICATE #1555

Turnaround Time
0 Same Day
0 24 Hours
0 48 Hours
0 72 Hours
X 1 Week (Standard)
Other:

SAMPLE ID	LAB ID	SAMPLING DATE	SAMPLING TIME	MATRIX	No. OF CONTAINERS	TEMPERATURE	PRESERVATION	TPH	SVOCs	Title 22 Metals	OCPs									COMMENTS
								Analysis Required												
SS1-0.5'	2206436	06/24/22	0800	Soil	1 8oz jar		Ice	X	X	X	X									
SS1-2.0'	-37		0830																	
SS2-0.5'	-38		1210					X	X	X	X									
SS2-2.0'	-39		1230																	
TR1-0.5'	-40		0936					X	X											
TR1-1.5'	-41		0943																	
SP1	-42		1037					X	X	X	X									

Company Name: Leighton and Associates, Inc
Address: 10532 Acacia St Ste B&C
City/State/Zip: Rancho Cucamonga, CA 91730

Project Contact: Robert Hansen
Tel:
Fax/Email: rhansen@leightongroup.com

Sampler's Signature:
Project Name/ID: Proposed Jefferson Fontana Mixed Use Residential Development 13584.002

Relinquished by:	Received by: (Curtis Taylor)	Date & Time: 1400
Relinquished by:	Received by:	Date & Time:
Relinquished by:	Received by:	Date & Time:

Instructions for Sample Storage After Analysis:
O Dispose of O Return to Client O Store (30 Days)
O Other:

CHAIN OF CUSTODY RECORD

Date: 06/24/22

WHITE WITH SAMPLE • YELLOW TO CLIENT

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

Date: July 7, 2022

Mr. Robert Hansen
Leighton & Associates, Inc.
10532 Acacia, Suite B-6
Rancho Cucamonga, CA 91730
Tel:(909)202-1662 E-Mail: RHansen@LeightonGroup.com

Project: **Proposed Jefferson Fontana Mixed Use Residential Development**
Project No.: **13584.002**
Lab I.D.: **220624-24 through -42**

Dear Mr. Hansen:

The **additional TPH-CCID results** for the soil samples, received by our lab on June 24, 2022, are attached. The samples were received chilled, intact, accompanying chain of custody and also stored per the EPA protocols.

Trace concentrations between the MDL and the PQL have been reported with a "J" flag indicator.

Enviro-Chem appreciates the opportunity to provide you and your company this and other services. Please do not hesitate to call us if you have any questions.

Sincerely,

Pearl Wong
Quality Manager

This data package has been reviewed for technical correctness and completeness. Release of this data has been authorized by the Laboratory Manager or Manager's Designee, as verified by the above signature which applies to this PDF File as well as any associated electronic data deliverable files. The results contained in this report meet all requirements of ELAP and pertain only to those samples which were submitted for analysis. This report may be reproduced only in its entirety.

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

CUSTOMER: Leighton & Associates, Inc.
10532 Acacia, Suite B-6, Rancho Cucamonga, CA 91730
Tel: (909) 202-1662 E-Mail: RHansen@LeightonGroup.com

PROJECT: Proposed Jefferson Fontana Mixed Use Residential Development
PROJECT NO.: 13584.002

MATRIX: SOIL
SAMPLING DATE: 06/24/22
REPORT TO: Mr. ROBERT HANSEN

DATE RECEIVED: 06/24/22
DATE EXTRACTED: 07/05/22
DATE ANALYZED: 07/06/22
DATE REPORTED: 07/07/22

TOTAL PETROLEUM HYDROCARBONS (TPH) - CARBON CHAIN ANALYSIS
METHOD: EPA 8015B
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

SAMPLE I.D.	LAB I.D.	C4-C10	C10-C28	C28-C35	DF
SS1-2.0'	220624-37	ND	ND	ND	1
SS2-2.0'	220624-39	ND	ND	ND	1
METHOD BLANK		ND	ND	ND	1
	MDL	5	5	25	
	PQL	10	10	50	

COMMENTS
C4-C10 = GASOLINE RANGE
C10-C28 = DIESEL RANGE
C28-C35 = MOTOR OIL RANGE
DF = DILUTION FACTOR
MDL = Method Detection Limit
PQL = Practical Quantitation Limit
J = Trace Concentration between MDL and PQL
ACTUAL DETECTION LIMIT = DF X PQL
ND = NON-DETECTED OR BELOW THE ACTUAL DETECTION LIMIT

DATA REVIEWED AND APPROVED BY: 
CAL-DHS ELAP CERTIFICATE No.: 1555

Enviro Chem, Inc

1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909)590-5905 Fax (909)590-5907

8015B QA/QC Report

Date Analyzed: 7/6/2022 **Units:** mg/Kg (ppm)

Matrix: **Soil/Solid/Sludge/Liquid**

Matrix Spike (MS)/Matrix Spike Duplicate (MSD)

Spiked Sample Lab I.D.: 220624-37 MS/MSD

Analyte	SR	spk conc	MS	%MS	MSD	%MSD	%RPD	ACP %MS	ACP RPD
C10~C28 Range	0.00	200	202	**101%**	221	**111%**	**9%**	**75-125**	**0-20%**

LCS STD RECOVERY:

Analyte	spk conc	LCS	%REC	ACP
C10~C28 Range	200	213	**106%**	**75-125**

Analyzed and Reviewed By: KL

Final Reviewer: 

Gmail **Pearl Wong <pw.envirocheminc@gmail.com>**

13584.002 / Proposed Jefferson Fontana Mixed Use Residential Development

Tracy Roberts <troberts@leightongroup.com> Tue, Jul 5, 2022 at 3:04 PM
To: Pearl Wong <pw.envirocheminc@gmail.com>

Here are the project details for the other project that needs further analysis.

Will the projects be running by you from here forward?

Best,

Leighton 60th Anniversary

TRACY ROBERTS

Staff Environmental Geologist

10532 Acacia Street, Suite B-6

Rancho Cucamonga, CA 91730

o. 909.527.8774

m. 909.222.9018

Celebrate our **60 Years** us by visiting our new website at www.leightongroup.com

From: Tracy Roberts
Sent: Tuesday, July 5, 2022 11:46 AM
To: 'Curtis B. Desilets' <curt.envirocheminc@gmail.com>; Robert Hansen <rhansen@leightongroup.com>
Cc: Jim Cunneen <Jcunneen@leightongroup.com>
Subject: RE: 13584.002 / Proposed Jefferson Fontana Mixed Use Residential Development

Thank you for all of your help Curtis!

Will you please run the following samples on a 48 Hour Rush for TPH C4-C35:

220624-37 (SS1-2.0')

220624-39 (SS2-2.0')

Thank you,

Leighton 60th Anniversary

TRACY ROBERTS

Staff Environmental Geologist

10532 Acacia Street, Suite B-6

Rancho Cucamonga, CA 91730

o. 909.527.8774

m. 909.222.9018

Celebrate our **60 Years** us by visiting our new website at www.leightongroup.com

From: Curtis B. Desilets <curt.envirocheminc@gmail.com>
Sent: Saturday, July 2, 2022 6:09 AM
To: Robert Hansen <rhansen@leightongroup.com>
Cc: Tracy Roberts <troberts@leightongroup.com>
Subject: Re: 13584.002 / Proposed Jefferson Fontana Mixed Use Residential Development

You too Rob and Tracey. Glad to be of service. Contact me with any questions. - Curt

On Fri, Jul 1, 2022 at 4:40 PM Robert Hansen <rhansen@leightongroup.com> wrote:

> Thank you for the call and the lab results. Have a great weekend.
>
> [Quoted text hidden]

[Quoted text hidden]

APPENDIX C

GBA Important Information About Geoenvironmental Reports

Important Information about This

Geoenvironmental Report

Geoenvironmental studies are commissioned to gain information about environmental conditions on and beneath the surface of a site. The more comprehensive the study, the more reliable the assessment is likely to be. But remember: Any such assessment is to a greater or lesser extent based on professional opinions about conditions that cannot be seen or tested. Accordingly, no matter how many data are developed, risks created by unanticipated conditions will always remain. *Have realistic expectations.* Work with your geoenvironmental consultant to manage known and unknown risks. Part of that process should already have been accomplished, through the risk allocation provisions you and your geoenvironmental professional discussed and included in your contract's general terms and conditions. This document is intended to explain some of the concepts that may be included in your agreement, and to pass along information and suggestions to help you manage your risk.

Beware of Change; Keep Your Geoenvironmental Professional Advised

The design of a geoenvironmental study considers a variety of factors that are subject to change. Changes can undermine the applicability of a report's findings, conclusions, and recommendations. *Advise your geoenvironmental professional about any changes you become aware of.* Geoenvironmental professionals cannot accept responsibility or liability for problems that occur because a report fails to consider conditions that did not exist when the study was designed. Ask your geoenvironmental professional about the types of changes you should be particularly alert to. Some of the most common include:

- modification of the proposed development or ownership group,
- sale or other property transfer,
- replacement of or additions to the financing entity,
- amendment of existing regulations or introduction of new ones, or
- changes in the use or condition of adjacent property.

Should you become aware of any change, *do not rely on a geoenvironmental report.* Advise your geoenvironmental professional immediately; follow the professional's advice.

Recognize the Impact of Time

A geoenvironmental professional's findings, recommendations, and conclusions cannot remain valid indefinitely. The more time that passes, the more likely it is that important latent changes will occur. *Do not rely on a geoenvironmental report if too much time has elapsed since it was completed.* Ask your environmental professional to define "too much time." In the case of Phase I Environmental Site Assessments (ESAs), for example, more than 180 days after submission is generally considered "too much."

Prepare To Deal with Unanticipated Conditions

The findings, recommendations, and conclusions of a Phase I ESA report typically are based on a review of historical information, interviews, a site "walkover," and other forms of noninvasive research. When site subsurface conditions are not sampled in any way, the risk of unanticipated conditions is higher than it would otherwise be.

While borings, installation of monitoring wells, and similar invasive test methods can help reduce the risk of unanticipated conditions, *do not overvalue the effectiveness of testing.* Testing provides information about actual conditions only at the precise locations where samples are taken, and only when they are taken. Your geoenvironmental

professional has applied that specific information to develop a general opinion about environmental conditions. *Actual conditions in areas not sampled may differ (sometimes sharply) from those predicted in a report.* For example, a site may contain an unregistered underground storage tank that shows no surface trace of its existence. *Even conditions in areas that were tested can change*, sometimes suddenly, due to any number of events, not the least of which include occurrences at adjacent sites. Recognize, too, that *even some conditions in tested areas may go undiscovered,* because the tests or analytical methods used were designed to detect only those conditions assumed to exist.

Manage your risks by retaining your geoenvironmental professional to work with you as the project proceeds. Establish a contingency fund or other means to enable your geoenvironmental professional to respond rapidly, in order to limit the impact of unforeseen conditions. And to help prevent any misunderstanding, identify those empowered to authorize changes and the administrative procedures that should be followed.

Do Not Permit Any Other Party To Rely on the Report

Geoenvironmental professionals design their studies and prepare their reports to meet the specific needs of the clients who retain them, in light of the risk management methods that the client and geoenvironmental professional agree to, and the statutory, regulatory, or other requirements that apply. The study designed for a developer may differ sharply from one designed for a lender, insurer, public agency...or even another developer. *Unless the report specifically states otherwise, it was developed for you and only you.* Do not unilaterally permit any other party to rely on it. The report and the study underlying it may not be adequate for another party's needs, and you could be held liable for shortcomings your geoenvironmental professional was powerless to prevent or anticipate. Inform your geoenvironmental professional when you know or expect that someone else—a third-party—will want to use or rely on the report. *Do not permit third-party use or reliance until you first confer with the geoenvironmental professional who prepared the report.* Additional testing, analysis, or study may be required and, in any event, appropriate terms and conditions should be agreed to so both you and your geoenvironmental professional are protected from third-party risks. *Any party who relies on a geoenvironmental report without the express written permission of the professional who prepared it and the client for whom it was prepared may be solely liable for any problems that arise.*

Avoid Misinterpretation of the Report

Design professionals and other parties may want to rely on the report in developing plans and specifications. They need to be advised, in writing, that their needs may not have been considered when the study's scope was developed, and, even if their needs were considered, they might misinterpret geoenvironmental findings, conclusions, and recommendations. *Commission your geoenvironmental professional to explain pertinent elements of the report to others who are permitted to rely on it, and to review any plans, specifications or other instruments of professional service that incorporate any of the report's findings, conclusions, or recommendations.* Your geoenvironmental professional has the best understanding of the issues involved, including the fundamental assumptions that underpinned the study's scope.

Give Contractors Access to the Report

Reduce the risk of delays, claims, and disputes by giving contractors access to the full report, *providing that it is accompanied by a letter of transmittal that can protect you* by making it unquestionably clear that: 1) the study was not conducted and the report was not prepared for purposes of bid development, and 2) the findings, conclusions, and recommendations included in the report are based on a variety of opinions, inferences, and assumptions and are subject to interpretation. Use the letter to also advise contractors to consult with your geoenvironmental professional to obtain clarifications, interpretations, and guidance (a fee may be required for this service), and that—in any event—they should conduct additional studies to obtain the specific type and extent of information each prefers for preparing a bid or cost estimate. Providing access to the full report, with the appropriate caveats, helps prevent formation of adversarial attitudes and claims of concealed or differing conditions. If a contractor elects to ignore the warnings and advice in the letter of transmittal, it would do so at its own risk. Your geoenvironmental professional should be able to help you prepare an effective letter.

Do Not Separate Documentation from the Report

Geoenvironmental reports often include supplemental documentation, such as maps and copies of regulatory files, permits, registrations, citations, and correspondence with regulatory agencies. If subsurface explorations were performed, the report may contain final boring logs and copies of laboratory data. If remediation activities occurred on site, the report may include: copies of daily field reports; waste manifests; and information about the disturbance of subsurface materials, the type and thickness of any fill placed on site, and fill placement practices, among other types of documentation. *Do not separate supplemental documentation from the report. Do not, and do not permit any other party to redraw or modify any of the supplemental documentation for incorporation into other professionals' instruments of service.*

Understand the Role of Standards

Unless they are incorporated into statutes or regulations, standard practices and standard guides developed by the American Society for Testing and Materials (ASTM) and other recognized standards-developing organizations (SDOs) are little more than aspirational methods agreed to by a consensus of a committee. The committees that develop standards may not comprise those best-qualified to establish methods and, no matter what, no standard method can possibly consider the infinite client- and project-specific variables that fly in the face of the theoretical "standard conditions" to which standard practices and standard guides apply. In fact, these variables can be so pronounced that geoenvironmental professionals who comply with every directive of an ASTM or other standard procedure could run afoul of local custom and practice, thus violating the standard of care. Accordingly, when geoenvironmental professionals indicate in their reports that they have performed a service "in general compliance" with one standard or another, it means they have applied professional judgement in creating and implementing a scope of service designed for the specific client and project involved, and which follows some of the general precepts laid out in the referenced standard. To the extent that a report indicates "general compliance" with a standard, you may wish to speak with your geoenvironmental professional to learn more about what was and was not done. *Do not assume a given standard was followed to the letter.* Research indicates that that seldom is the case.

Realize That Recommendations May Not Be Final

The technical recommendations included in a geoenvironmental report are based on assumptions about actual conditions, and so are preliminary or tentative. Final recommendations can be prepared only by observing actual conditions as they are exposed. For that reason, you should retain the geoenvironmental professional of record to observe construction and/or remediation activities on site, to permit rapid response to unanticipated conditions. *The geoenvironmental professional who prepared the report cannot assume responsibility or liability for the report's recommendations if that professional is not retained to observe relevant site operations.*

Understand That Geotechnical Issues Have Not Been Addressed

Unless geotechnical engineering was specifically included in the scope of professional service, a report is not likely to relate any findings, conclusions, or recommendations about the suitability of subsurface materials for construction purposes, especially when site remediation has been accomplished through the removal, replacement, encapsulation, or chemical treatment of on-site soils. The equipment, techniques, and testing used by geotechnical engineers differ markedly from those used by geoenvironmental professionals; their education, training, and experience are also significantly different. If you plan to build on the subject site, but have not yet had a geotechnical engineering study conducted, your geoenvironmental professional should be able to provide guidance about the next steps you should take. The same firm may provide the services you need.

Read Responsibility Provisions Closely

Geoenvironmental studies cannot be exact; they are based on professional judgement and opinion. Nonetheless, some clients, contractors, and others assume geoenvironmental reports are or certainly should be unerringly precise. Such assumptions have created unrealistic expectations that have led to wholly unwarranted claims and disputes. To help prevent such problems, geoenvironmental professionals have developed a number of report provisions and contract terms that explain who is responsible for what, and how risks are to be allocated. Some people mistake these for "exculpatory clauses," that is, provisions whose purpose is to transfer one party's rightful responsibilities and liabilities to someone else. Read the responsibility provisions included in a report and in the contract you and your geoenvironmental professional agreed to. *Responsibility provisions are not "boilerplate."* They are important.

Rely on Your Geoenvironmental Professional for Additional Assistance

Membership in the Geoprofessional Business Association exposes geoenvironmental professionals to a wide array of risk management techniques that can be of genuine benefit for everyone involved with a geoenvironmental project. Confer with your GBA-member geoenvironmental professional for more information.

GEOPROFESSIONAL BUSINESS ASSOCIATION

8811 Colesville Road/Suite G106, Silver Spring, MD 20910
Telephone: 301/565-2733 Facsimile: 301/589-2017
e-mail: info@geoprofessional.org www.geoprofessional.org

Copyright 2015 by the Geoprofessional Business Association (GBA). Duplication, reproduction, copying, or storage of this document, in whole or in part, by any means whatsoever, is strictly prohibited, except with GBA's specific written permission. Excerpting, quoting, or otherwise extracting wording from this document is permitted only with the express written permission of GBA, and only for purposes of scholarly research or book review. Only GBA-Member Firms may use this document as a complement to or as an element of a geoenvironmental report. Any other firm, individual, or entity that so uses this document without being a GBA-Member Firm could be committing negligent or intentional (fraudulent) misrepresentation.

Appendix G

Preliminary Water Quality Management Plan



WATER QUALITY MANAGEMENT PLAN (PRELIMINARY)

JEFFERSON FONTANA

PM 19061

Ontario, California

Prepared For
JPI COMPANIES
12250 El Camino Real, Suit380
San Diego, CA 92130

Prepared By

Moyenuddin Sirajee, PE
Fuscoe Engineering, Inc.
2850 Inland Empire Blvd. Building B
Ontario, California, 91764
909.581.0676
www.fuscoe.com

Project Manager:
Luis Figueroa

Date Prepared: October 2022
Date Revised:

Job Number: 557.013

full circle thinking®

Water Quality Management Plan

(Preliminary)

For:

Jefferson Fontana

APN: 0251-171-19, 0251-321-27, 18, 24, 21, 25, 26, 19, 20, 22, 23, 02, 15, 16 & PORTION OF 03, 14, 29

Prepared for:

JPI Companies

12250 El Camino Real, Suite 380

San Diego, CA 92130

805.748.0107

Prepared by:

Fuscoe Engineering

2850 Inland Empire Blvd., Suite B

Ontario, CA 91764

909.581.0676

Submittal Date: 10.31.22

Revision Date: Insert Current Revision Date

Approval Date:_____

Project Owner's Certification

This Water Quality Management Plan (WQMP) has been prepared for JPI Companies by Fuscoe Engineering. The WQMP is intended to comply with the requirements of the Santa Ana Regional Water Quality Control Board and the NPDES Areawide Stormwater Program requiring the preparation of a WQMP. The undersigned, while it owns the subject property, is responsible for the implementation of the provisions of this plan and will ensure that this plan is amended as appropriate to reflect up-to-date conditions on the site consistent with San Bernardino County's Municipal Storm Water Management Program and the intent of the NPDES Permit for San Bernardino County and the incorporated cities of San Bernardino County within the Santa Ana Region. Once the undersigned transfers its interest in the property, its successors in interest and the city/county shall be notified of the transfer. The new owner will be informed of its responsibility under this WQMP. A copy of the approved WQMP shall be available on the subject site in perpetuity.

"I certify under a penalty of law that the provisions (implementation, operation, maintenance, and funding) of the WQMP have been accepted and that the plan will be transferred to future successors."

.

Project Data			
Permit/Application Number(s):	TBD	Grading Permit Number(s):	TBD
Tract/Parcel Map Number(s):	PM 19061	Building Permit Number(s):	TBD
CUP, SUP, and/or APN (Specify Lot Numbers if Portions of Tract):			APN: 0251-171-19, 0251-321-27, 18, 24, 21, 25, 26, 19, 20, 22, 23, 02, 15, 16 & portion of 03, 14, 29

Owner's Signature		
Owner Name: Jay Adamowitz		
Title	Development Manager	
Company	JPI Companies	
Address	12250 El Camino Real, Suite 380, San Diego, CA 92130	
Email	jay.adamowitz@jpi.com	
Telephone #	858.771.9119	
Signature	Date	

Preparer's Certification

Project Data			
Permit/Application Number(s):	TBD	Grading Permit Number(s):	TBD
Tract/Parcel Map Number(s):	PM 19061	Building Permit Number(s):	TBD
CUP, SUP, and/or APN (Specify Lot Numbers if Portions of Tract):			APN: 0251-171-19, 0251-321-27, 18, 24, 21, 25, 26, 19, 20, 22, 23, 02, 15, 16 & portion of 03, 14, 29

"The selection, sizing and design of stormwater treatment and other stormwater quality and quantity control measures in this plan were prepared under my oversight and meet the requirements of Regional Water Quality Control Board Order No. R8-2010-0036."

Engineer: Moyenuddin Sirajee		PE Stamp Below
Title	Senior Engineer	
Company	Fuscoe Engineering	
Address	2850 Inland Empire Blvd., Suite B, Ontario, CA 91764	
Email	msirajee@fuscoe.com	
Telephone #	909.581.0676	
Signature		
Date		



Table of Contents

Section 1 Discretionary Permits 1-1

Section 2 Project Description 2-1

2.1 Project Information 2-1
2.2 Property Ownership / Management 2-2
2.3 Potential Stormwater Pollutants 2-3
2.4 Water Quality Credits 2-4

Section 3 Site and Watershed Description 3-1

Section 4 Best Management Practices 4-1

4.1 Source Control BMP 4-1
4.1.1 Pollution Prevention 4-1
4.1.2 Preventative LID Site Design Practices 4-6
4.2 Project Performance Criteria 4-7
4.3 Project Conformance Analysis 4-12
4.3.1 Site Design Hydrologic Source Control BMP 4-14
4.3.2 Infiltration BMP 4-16
4.3.3 Harvest and Use BMP 4-18
4.3.4 Biotreatment BMP 4.19
4.3.5 Conformance Summary 4-23
4.3.6 Hydromodification Control BMP 4-24
4.4 Alternative Compliance Plan (if applicable) 4-25

Section 5 Inspection & Maintenance Responsibility Post Construction BMPs 5-1

Section 6 Site Plan and Drainage Plan 6-1

6.1. Site Plan and Drainage Plan 6-1
6.2 Electronic Data Submittal 6-1

Forms

Form 1-1 Project Information 1-1
Form 2.1-1 Description of Proposed Project 2-1
Form 2.2-1 Property Ownership/Management 2-2
Form 2.3-1 Pollutants of Concern 2-3
Form 2.4-1 Water Quality Credits 2-4
Form 3-1 Site Location and Hydrologic Features 3-1
Form 3-2 Hydrologic Characteristics 3-2
Form 3-3 Watershed Description 3-3
Form 4.1-1 Non-Structural Source Control BMP 4-2
Form 4.1-2 Structural Source Control BMP 4-4
Form 4.1-3 Site Design Practices Checklist 4-6
Form 4.2-1 LID BMP Performance Criteria for Design Capture Volume 4-7
Form 4.2-2 Summary of HCOC Assessment 4-8
Form 4.2-3 HCOC Assessment for Runoff Volume 4-9
Form 4.2-4 HCOC Assessment for Time of Concentration 4-10

Form 4.2-5 HCOC Assessment for Peak Runoff..... 4-11
Form 4.3-1 Infiltration BMP Feasibility 4-13
Form 4.3-2 Site Design Hydrologic Source Control BMP 4-14
Form 4.3-3 Infiltration LID BMP..... 4-17
Form 4.3-4 Harvest and Use BMP 4-18
Form 4.3-5 Selection and Evaluation of Biotreatment BMP 4-19
Form 4.3-6 Volume Based Biotreatment – Bioretention and Planter Boxes w/Underdrains 4-20
Form 4.3-7 Volume Based Biotreatment- Constructed Wetlands and Extended Detention 4-21
Form 4.3-8 Flow Based Biotreatment 4-22
Form 4.3-9 Conformance Summary and Alternative Compliance Volume Estimate 4-23
Form 4.3-10 Hydromodification Control BMP 4-24
Form 5-1 BMP Inspection and Maintenance 5-1

Appendix A: Project Location, Vicinity Map

Appendix B: Site Plan, WQMP Exhibit, LID Sizing Calc.

Appendix C: Flow Calculation (Pre-Treatment BMP)

Appendix D: Educational Materials, BMP Fact Sheets

Appendix E: Infiltration Test Report

Appendix F: WQMP Cert and MOA

Section 1 Discretionary Permit(s)

Form 1-1 Project Information					
Project Name	Jefferson Fontana				
Project Owner Contact Name:	Jay Adamowitz				
Mailing Address:	12250 El Camino Real, Suite 380, San Diego, CA 92130	E-mail Address:	jay.adamowitz@jpi.com	Telephone:	858.771.9119
Permit/Application Number(s):	TBD		Tract/Parcel Map Number(s):	PM 19061	
Additional Information/ Comments:	None				
Description of Project:	The proposed mixed used development consists of construction of 464 units residential apartment complex and approximately 4,200 square feet of retail space. It will have necessary drive aisle and parking facilities for the access and parking within the site. The development will also include the widening of the existing Valley Blvd. in the north and Juniper Ave. in the east across the width of the project frontage. Drainage Condition: Storm water runoff will be collected by a network of storm drain conveying run-off from the site to the south-easterly side of the site into an underground Infiltration Chamber. It will then convey through a proposed underground storm drain pipe into an existing 48-inch storm drain pipe on Juniper Ave. which then drain into I-10 concrete channel at the end of Juniper Ave. Project DCV is proposed to remain and infiltrate on site through a properly sized underground infiltration chamber. Per County of San Bernardino stormwater Facility Mapping Tool, the site is HCOC exempt.				
Provide summary of Conceptual WQMP conditions (if previously submitted and approved). Attach complete copy.	N/A				

Section 2 Project Description

2.1 Project Information

This section of the WQMP should provide the information listed below. The information provided for Conceptual/ Preliminary WQMP should give sufficient detail to identify the major proposed site design and LID BMPs and other anticipated water quality features that impact site planning. Final Project WQMP must specifically identify all BMP incorporated into the final site design and provide other detailed information as described herein.

The purpose of this information is to help determine the applicable development category, pollutants of concern, watershed description, and long term maintenance responsibilities for the project, and any applicable water quality credits. This information will be used in conjunction with the information in Section 3, Site Description, to establish the performance criteria and to select the LID BMP or other BMP for the project or other alternative programs that the project will participate in, which are described in Section 4.

Form 2.1-1 Description of Proposed Project

1 Development Category (Select all that apply):

☐ Significant re-development involving the addition or replacement of 5,000 ft² or more of impervious surface on an already developed site	☒ New development involving the creation of 10,000 ft² or more of impervious surface collectively over entire site	☐ Automotive repair shops with standard industrial classification (SIC) codes 5013, 5014, 5541, 7532- 7534, 7536-7539	☐ Restaurants (with SIC code 5812) where the land area of development is 5,000 ft² or more
☐ Hillside developments of 5,000 ft² or more which are located on areas with known erosive soil conditions or where the natural slope is 25 percent or more	☐ Developments of 2,500 ft² of impervious surface or more adjacent to (within 200 ft) or discharging directly into environmentally sensitive areas or waterbodies listed on the CWA Section 303(d) list of impaired waters.	☒ Parking lots of 5,000 ft² or more exposed to storm water	☐ Retail gasoline outlets that are either 5,000 ft² or more, or have a projected average daily traffic of 100 or more vehicles per day

☐ Non-Priority / Non-Category Project *May require source control LID BMPs and other LIP requirements. Please consult with local jurisdiction on specific requirements*.

2 Project Area (ft2):	489,399	**3** Number of Dwelling Units:	464	**4** SIC Code:	1521

5 Is Project going to be phased? Yes ☐ No ☒ *If yes, ensure that the WQMP evaluates each phase as a distinct DA, requiring LID BMPs to address runoff at time of completion.*

6 Does Project include roads? Yes ☒ No ☐ *If yes, ensure that applicable requirements for transportation projects are addressed (see Appendix A of TGD for WQMP)*

2.2 Property Ownership/Management

Describe the ownership/management of all portions of the project and site. State whether any infrastructure will transfer to public agencies (City, County, Caltrans, etc.) after project completion. State if a homeowners or property owners association will be formed and be responsible for the long-term maintenance of project stormwater facilities. Describe any lot-level stormwater features that will be the responsibility of individual property owners.

Form 2.2-1 Property Ownership/Management

Describe property ownership/management responsible for long-term maintenance of WQMP stormwater facilities:

Jefferson Fontana consisits of 464 units of appartment building and 4,200 square feet of retail space. Also includes the construction of widening of the existing streets. The proposed facility with all of its onsite WQMP stormwater facilities will be operated and maintained by JPI Companies. Existing widened streets would be designated as public streets. Public streets and the WQMP stormwater facilities will be maintaned by the City of Fonatana, California.

Buildings: JPI Companies
Public Streets: City of Fontana
Private Lanes and Alleys: JPI Companies
Landscaped Areas: JPI Companies
Source Control BMPs On-Site: JPI Companies
Source Control BMPs on Public Streets: City of Fontana
Structural Control BMPs On-Site: JPI Companies
Easements: JPI Companies

The Owner, JPI Companies shall assume all BMP maintenance and inspection responsibilities for the proposed project as mentioned above. This include BMP maintenance, catch basin inspection, storm drain maintenance, efficient irrigation, landscape maintenance, Hydrodynamic Separator, Underground stormwater storage chamber, Flow Control Structure.

2.3 Potential Stormwater Pollutants

Determine and describe expected stormwater pollutants of concern based on land uses and site activities (refer to Table 3-3 in the TGD for WQMP).

Form 2.3-1 Pollutants of Concern			
Pollutant	Please check: E=Expected, N=Not Expected		Additional Information and Comments
Pathogens (Bacterial / Virus)	E ☒	N ☐	Wild birds and pet waste, Garbage
Nutrients - Phosphorous	E ☒	N ☐	Fertilizers, Food waste from garbage
Nutrients - Nitrogen	E ☒	N ☐	Fertilizers, Food waste from garbage
Noxious Aquatic Plants	E ☐	N ☒	N/A
Sediment	E ☒	N ☐	Driveway, Rooftop, Sidewalks, Roads and Landscape Areas
Metals	E ☒	N ☐	Cars
Oil and Grease	E ☒	N ☐	Leaking Vehicles
Trash/Debris	E ☒	N ☐	Poorly manage trash containers and vehicle parkin
Pesticides / Herbicides	E ☒	N ☐	Landscape Areas
Organic Compounds	E ☒	N ☐	Cars, Fertilizers
Other: Total Suspended Solids	E ☒	N ☐	
Other: Oxigen Demanding Compounds	E ☒	N ☐	
Other: Petroleum Hydrocarbons	E ☒	N ☐	
Other:	E ☐	N ☐	
Other:	E ☐	N ☐	

2.4 Water Quality Credits

A water quality credit program is applicable for certain types of development projects if it is not feasible to meet the requirements for on-site LID. Proponents for eligible projects, as described below, can apply for water quality credits that would reduce project obligations for selecting and sizing other treatment BMP or participating in other alternative compliance programs. Refer to Section 6.2 in the TGD for WQMP to determine if water quality credits are applicable for the project.

Form 2.4-1 Water Quality Credits

1 Project Types that Qualify for Water Quality Credits: *Select all that apply*			
☐ Redevelopment projects that reduce the overall impervious footprint of the project site. [Credit = % impervious reduced]	Higher density development projects ☐ Vertical density [20%] ☐ 7 units/ acre [5%]	☐ Mixed use development, (combination of residential, commercial, industrial, office, institutional, or other land uses which incorporate design principles that demonstrate environmental benefits not realized through single use projects) [20%]	☐ Brownfield redevelopment (redevelop real property complicated by presence or potential of hazardous contaminants) [25%]
☐ Redevelopment projects in established historic district, historic preservation area, or similar significant core city center areas [10%]	☐ Transit-oriented developments (mixed use residential or commercial area designed to maximize access to public transportation) [20%]	☐ In-fill projects (conversion of empty lots & other underused spaces < 5 acres, substantially surrounded by urban land uses, into more beneficially used spaces, such as residential or commercial areas) [10%]	☐ Live-Work developments (variety of developments designed to support residential and vocational needs) [20%]
2 Total Credit % *(Total all credit percentages up to a maximum allowable credit of 50 percent)*			
Description of Water Quality Credit Eligibility (if applicable)	N/A		

Section 3 Site and Watershed Description

Describe the project site conditions that will facilitate the selection of BMP through an analysis of the physical conditions and limitations of the site and its receiving waters. Identify distinct drainage areas (DA) that collect flow from a portion of the site and describe how runoff from each DA (and sub-watershed DMAs) is conveyed to the site outlet(s). Refer to Section 3.2 in the TGD for WQMP. The form below is provided as an example. Then complete Forms 3.2 and 3.3 for each DA on the project site. ***If the project has more than one drainage area for stormwater management, then complete additional versions of these forms for each DA / outlet.***

Form 3-1 Site Location and Hydrologic Features

Site coordinates *take GPS measurement at approximate center of site*	Latitude 34.0695°	Longitude -117.4412°	Thomas Bros Map page

1 San Bernardino County climatic region: ☒ Valley ☐ Mountain

2 Does the site have more than one drainage area (DA): Yes☒ No☐ *If no, proceed to Form 3-2. If yes, then use this form to show a conceptual schematic describing DMAs and hydrologic feature connecting DMAs to the site outlet(s). An example is provided below that can be modified for proposed project or a drawing clearly showing DMA and flow routing may be attached*



Example only – modify for project specific WQMP using additional form

Conveyance	Briefly describe on-site drainage features to convey runoff that is not retained within a DMA
DA1 DMA C flows to DA1 DMA A	*Ex. Bioretention overflow to vegetated bioswale with 4' bottom width, 5:1 side slopes and bed slope of 0.01. Conveys runoff for 1000' through DMA 1 to existing catch basin on SE corner of property*
DA1 DMA A to Outlet 1	The entire site is currently undeveloped and sheet flows to the adjacent property and street. There is no stormwater facilities onsite.
DA1 DMA B to Outlet 1	
DA2 to Outlet 2	

Form 3-2 Existing Hydrologic Characteristics for Drainage Area 1

For Drainage Area 1's sub-watershed DMA, provide the following characteristics	DMA A	DMA B	DMA C	DMA D
1 DMA drainage area (ft^2)	149,533	339,866		
2 Existing site impervious area (ft^2)	0	0		
3 Antecedent moisture condition *For desert areas, use http://www.sbcounty.gov/dpw/floodcontrol/pdf/20100412_map.pdf*	1	1		
4 Hydrologic soil group *Refer to Watershed Mapping Tool – http://permitrack.sbcounty.gov/wap/*	A	A		
5 Longest flowpath length (ft)	984	712		
6 Longest flowpath slope (ft/ft)	0.0147	0.0129		
7 Current land cover type(s) *Select from Fig C-3 of Hydrology Manual*	Annual Grass	Annual Grass		
8 Pre-developed pervious area condition: *Based on the extent of wet season vegetated cover good >75%; Fair 50-75%; Poor <50% Attach photos of site to support rating*	Poor	Poor		

Form 3-2 Existing Hydrologic Characteristics for Drainage Area 1 (use only as needed for additional DMA w/in DA 1)				
For Drainage Area 1's sub-watershed DMA, provide the following characteristics	DMA E	DMA F	DMA G	DMA H
1 DMA drainage area (ft^2)				
2 Existing site impervious area (ft^2)				
3 Antecedent moisture condition *For desert areas, use http://www.sbcounty.gov/dpw/floodcontrol/pdf/20100412_map.pdf*				
4 Hydrologic soil group *Refer to Watershed Mapping Tool – http://permitrack.sbcounty.gov/wap/*				
5 Longest flowpath length (ft)				
6 Longest flowpath slope (ft/ft)				
7 Current land cover type(s) *Select from Fig C-3 of Hydrology Manual*				
8 Pre-developed pervious area condition: *Based on the extent of wet season vegetated cover good >75%; Fair 50-75%; Poor <50% Attach photos of site to support rating*				

Form 3-3 Watershed Description for Drainage Area

Receiving waters *Refer to Watershed Mapping Tool - http://permitrack.sbcounty.gov/wap/ See 'Drainage Facilities" link at this website*	The project is located within Santa Ana River Watershed. The site discharges to I-10 channel and then to San Sevaine Channel ultimately to Santa Ana River and then to Pacific Ocean. San Sevaine Channel is identified as the site's "Proximate Receiving Water".
Applicable TMDLs *Refer to Local Implementation Plan*	California 2020-2022 Integrated Report (303(d) List
303(d) listed impairments *Refer to Local Implementation Plan and Watershed Mapping Tool – http://permitrack.sbcounty.gov/wap/ and State Water Resources Control Board website – http://www.waterboards.ca.gov/santaana/water_issues/programs/tmdl/index.shtml*	San Sevaine Channel: Not an impared body, Santa Ana River, Reach 4: Pathogens Santa Ana River, Reach 3: Pathogens , Metals
Environmentally Sensitive Areas (ESA) *Refer to Watershed Mapping Tool – http://permitrack.sbcounty.gov/wap/*	None
Unlined Downstream Water Bodies *Refer to Watershed Mapping Tool – http://permitrack.sbcounty.gov/wap/*	Santa Ana River at Hidden Valley Wild Life area
Hydrologic Conditions of Concern	☐ Yes *Complete Hydrologic Conditions of Concern (HCOC) Assessment. Include Forms 4.2-2 through Form 4.2-5 and Hydromodification BMP Form 4.3-10 in submittal* ☒ No
Watershed–based BMP included in a RWQCB approved WAP	☐ Yes *Attach verification of regional BMP evaluation criteria in WAP* • *More Effective than On-site LID* • *Remaining Capacity for Project DCV* • *Upstream of any Water of the US* • *Operational at Project Completion* • *Long-Term Maintenance Plan* ☒ No

Section 4 Best Management Practices (BMP)

4.1 Source Control BMP

4.1.1 Pollution Prevention

Non-structural and structural source control BMP are required to be incorporated into all new development and significant redevelopment projects. Form 4.1-1 and 4.1-2 are used to describe specific source control BMPs used in the WQMP or to explain why a certain BMP is not applicable. Table 7-3 of the TGD for WQMP provides a list of applicable source control BMP for projects with specific types of potential pollutant sources or activities. The source control BMP in this table must be implemented for projects with these specific types of potential pollutant sources or activities.

The preparers of this WQMP have reviewed the source control BMP requirements for new development and significant redevelopment projects. The preparers have also reviewed the specific BMP required for project as specified in Forms 4.1-1 and 4.1-2. All applicable non-structural and structural source control BMP shall be implemented in the project.

Form 4.1-1 Non-Structural Source Control BMPs

Identifier	Name	Check One		Describe BMP Implementation OR, if not applicable, state reason
		Included	Not Applicable	
N1	Education of Property Owners, Tenants and Occupants on Stormwater BMPs	☒	☐	Educational materials will be provided to the Owner/Operator, including brochures and restrictions to reduce pollutants from reaching the storm drain system. Examples include Proper Maintenance Practices for Your Business, and Maintenance, Automobile Parking, etc. Refer to Section VII for a list of materials available and attached to this WQMP.
N2	Activity Restrictions	☒	☐	Activity restriction shall be developed by the Owner for the protection of water quality. Restrictions include, but are not limited to, prohibiting vehicle repair & washing in parking areas, prohibiting discharge of fertilizer, pesticides, or animal wastes to streets or storm drains, and any other activities that may potentially contribute to water pollution.
N3	Landscape Management BMPs	☒	☐	Management programs will be designed and implemented by the Owner to maintain all the common areas within the project site. These programs will cover how to reduce the potential pollutant sources of fertilizer and pesticide uses, utilization of water-efficient landscaping practices and proper disposal of landscape wastes by the owner and/or contractors.
N4	BMP Maintenance	☒	☐	The Owner/Operator will be responsible for the implementation and maintenance of each applicable non-structural BMP, as well as scheduling inspections and maintenance of all applicable structural BMP facilities through its staff, landscape contractor, and/or any other necessary maintenance contractors. Details on BMP maintenance are provided in Section 5 of this WQMP.
N5	Title 22 CCR Compliance (How development will comply)	☐	☒	Hazardous materials will not be stored on-site.
N6	Local Water Quality Ordinances	☐	☒	Not Applicable

Form 4.1-1 Non-Structural Source Control BMPs				
N7	Spill Contingency Plan	☐	☒	No use or storage of large amount of spillable material onsite.
N8	Underground Storage Tank Compliance	☐	☒	No underground storage tanks are proposed.
N9	Hazardous Materials Disclosure Compliance	☐	☒	Hazardous materials will not be stored on-site.

Form 4.1-1 Non-Structural Source Control BMPs

Identifier	Name	Check One		Describe BMP Implementation OR, if not applicable, state reason
		Included	Not Applicable	
N10	Uniform Fire Code Implementation	☐	☒	Hazardous materials will not be stored on-site.
N11	Litter/Debris Control Program	☒	☐	The Owner/Operator will be responsible for performing trash pickup and sweeping of littered common areas on a weekly basis or whenever necessary. Responsibilities will also include noting improper disposal materials by the residence and reporting such violations for investigation
N12	Employee Training	☒	☐	All employees of the facility operator and any maintenance contractors will require training to ensure that employees are aware of maintenance activities that may result in pollutants reaching the storm drain. Training shall be conducted on an annual basis and include, but not be limited to, spill cleanup procedures, proper waste disposal, housekeeping practices, etc
N13	Housekeeping of Loading Docks	☐	☒	Loading Docks are not proposed for this project.
N14	Catch Basin Inspection Program	☒	☐	All catch basin inlets shall be inspected and maintained by the Owner/Operator at least once a year, prior to the rainy season, no later than October 1st of each year.
N15	Vacuum Sweeping of Private Streets and Parking Lots	☒	☐	The Owner/Operator shall be responsible for sweeping all drive aisles and parking areas on a monthly basis.
N16	Other Non-structural Measures for Public Agency Projects	☒	☐	The City of Fontana shall be responsible for sweeping all public street on a monthly basis
N17	Comply with all other applicable NPDES permits	☒	☐	Since construction will be greater than 1 acre, project will apply for coverage under the General Construction Permit, SWRCB Order No. 2009-0009-DWQ prior to start of land disturbing activities.

Form 4.1-2 Structural Source Control BMPs

Identifier	Name	Check One		Describe BMP Implementation OR, If not applicable, state reason
		Included	Not Applicable	
S1	Provide storm drain system stencilling and signage (CASQA New Development BMP Handbook SD-13)	☒	☐	The phrase "No Dumping – Flows to Creek," or an equally effective phrase will be stenciled on any drain inlets or catch basin inlets. Any illegible stencils shall be re-stenciled as soon as possible.
S2	Design and construct outdoor material storage areas to reduce pollution introduction (CASQA New Development BMP Handbook SD-34)	☐	☒	No outdoor material storage areas are proposed.
S3	Design and construct trash and waste storage areas to reduce pollution introduction (CASQA New Development BMP Handbook SD-32)	☒	☐	The trash storage areas will be situated away from roof runoff and pavement runoff diverted. Dumpsters will be leak proof and covered. Litter control activities shall be performed on a weekly basis.
S4	Use efficient irrigation systems & landscape design, water conservation, smart controllers, and source control (State-wide Model Landscape Ordinance; CASQA New Development BMP Handbook SD-12)	☒	☐	The Owner/Operator will be responsible for the installation and maintenance of all common landscape areas utilizing similar planting materials with similar water requirements to reduce excess irrigation runoff. The irrigation systems shall be in conformance with local water use efficiency guidelines.
S5	Finish grade of landscaped areas at a minimum of 1-2 inches below top of curb, sidewalk, or pavement	☒	☐	All landscape areas to comply with depressed landscape requirements.
S6	Protect slopes and channels and provide energy dissipation (CASQA New Development BMP Handbook SD-10)	☐	☒	Slopes or channels are not proposed.
S7	Covered dock areas (CASQA New Development BMP Handbook SD-31)	☐	☒	No dock areas are proposed.
S8	Covered maintenance bays with spill containment plans (CASQA New Development BMP Handbook SD-31)	☐	☒	No maintenance bays are proposed.
S9	Vehicle wash areas with spill containment plans (CASQA New Development BMP Handbook SD-33)	☐	☒	No vehicle wash areas are proposed.

S10	Covered outdoor processing areas (CASQA New Development BMP Handbook SD-36)	☐	☒	No outdoor processing areas are proposed.

Form 4.1-2 Structural Source Control BMPs

Identifier	Name	Check One		Describe BMP Implementation OR, If not applicable, state reason
		Included	Not Applicable	
S11	Equipment wash areas with spill containment plans (CASQA New Development BMP Handbook SD-33)	☐	☒	No equipment wash areas are proposed.
S12	Fueling areas (CASQA New Development BMP Handbook SD-30)	☐	☒	No fueling areas are proposed.
S13	Hillside landscaping (CASQA New Development BMP Handbook SD-10)	☐	☒	Project is not located in a hillside area.
S14	Wash water control for food preparation areas	☐	☒	No food preparation areas are proposed.
S15	Community car wash racks (CASQA New Development BMP Handbook SD-33)	☐	☒	No community car wash racks are proposed.

4.1.2 Preventative LID Site Design Practices

Site design practices associated with new LID requirements in the MS4 Permit should be considered in the earliest phases of a project. Preventative site design practices can result in smaller DCV for LID BMP and hydromodification control BMP by reducing runoff generation. Describe site design and drainage plan including:

- A narrative of site design practices utilized or rationale for not using practices
- A narrative of how site plan incorporates preventive site design practices
- Include an attached Site Plan layout which shows how preventative site design practices are included in WQMP

Refer to Section 5.2 of the TGD for WQMP for more details.

Form 4.1-3 Preventative LID Site Design Practices Checklist

Site Design Practices *If yes, explain how preventative site design practice is addressed in project site plan. If no, other LID BMPs must be selected to meet targets*
Minimize impervious areas: Yes ☒ No ☐ Explanation: Although the project will increase impervious surfaces as compared to existing conditions, runoff will drain to underground on-site Infiltration chamber systems. Also, pervious and landscape areas are proposed.
Maximize natural infiltration capacity: Yes ☒ No ☐ Explanation: The underlying soils for the entire site is highly permeable (2.7 to 3.6-inch/hr) thus the location of the constructed element is not restricted. Thus natural infiltration capacity will be maintained as practically posible.
Preserve existing drainage patterns and time of concentration: Yes ☒ No ☐ Explanation: General discharge location after construction will remain as it was before construction. Underground storm drain system will increase the time of concentration.
Disconnect impervious areas: Yes ☒ No ☐ Explanation: Due to the type of development impervious disconnect is not achievable. However, the site runoff will drain to underground on-site infiltration chamber system.
Protect existing vegetation and sensitive areas: Yes ☐ No ☒ Explanation: There are no vegetation to preserve.
Re-vegetate disturbed areas: Yes ☒ No ☐ Explanation: All disturbed areas will either be paved or landscaped.
Minimize unnecessary compaction in stormwater retention/infiltration basin/trench areas: Yes ☒ No ☐ Explanation: The bottom of the underground Infiltration chamber will be placed on natural ground.
Utilize vegetated drainage swales in place of underground piping or imperviously lined swales: Yes ☐ No ☒ Explanation: Vegetated swales were not proposed for this project.
Stake off areas that will be used for landscaping to minimize compaction during construction : Yes ☐ No ☐ Explanation: This project will be mass grading operation of the entire site. Thus, practically it is impossible to stake off future landscaped area.

4.2 Project Performance Criteria

The purpose of this section of the Project WQMP is to establish targets for post-development hydrology based on performance criteria specified in the MS4 Permit. These targets include runoff volume for water quality control (referred to as LID design capture volume), and runoff volume, time of concentration, and peak runoff for protection of any downstream waterbody segments with a HCOC. ***If the project has more than one outlet for stormwater runoff, then complete additional versions of these forms for each DA / outlet.***

Methods applied in the following forms include:

- For LID BMP Design Capture Volume (DCV), the San Bernardino County Stormwater Program requires use of the P_6 method (MS4 Permit Section XI.D.6a.ii) – Form 4.2-1
- For HCOC pre- and post-development hydrologic calculation, the San Bernardino County Stormwater Program requires the use of the Rational Method (San Bernardino County Hydrology Manual Section D). Forms 4.2-2 through Form 4.2-5 calculate hydrologic variables including runoff volume, time of concentration, and peak runoff from the project site pre- and post-development using the Hydrology Manual Rational Method approach. For projects greater than 640 acres (1.0 mi^2), the Rational Method and these forms should not be used. For such projects, the Unit Hydrograph Method (San Bernardino County Hydrology Manual Section E) shall be applied for hydrologic calculations for HCOC performance criteria.

Refer to Section 4 in the TGD for WQMP for detailed guidance and instructions.

Form 4.2-1 LID BMP Performance Criteria for Design Capture Volume (DA 1)

1 Project area DA 1 (ft^2): 489,399	**2** Imperviousness after applying preventative site design practices (Imp%): 80.0	**3** Runoff Coefficient (Rc): _0.599 *$R_c = 0.858(Imp\%)^{\wedge 3} - 0.78(Imp\%)^{\wedge 2} + 0.774(Imp\%) + 0.04$*
4 Determine 1-hour rainfall depth for a 2-year return period $P_{2yr\text{-}1hr}$ (in): 0.538 *http://hdsc.nws.noaa.gov/hdsc/pfds/sa/sca_pfds.html*		
5 Compute P_6, Mean 6-hr Precipitation (inches): 0.797 *P_6 = Item 4 *C_1, where C_1 is a function of site climatic region specified in Form 3-1 Item 1 (Valley = 1.4807; Mountain = 1.909; Desert = 1.2371)*		
6 Drawdown Rate *Use 48 hours as the default condition. Selection and use of the 24 hour drawdown time condition is subject to approval by the local jurisdiction. The necessary BMP footprint is a function of drawdown time. While shorter drawdown times reduce the performance criteria for LID BMP design capture volume, the depth of water that can be stored is also reduced.*		24-hrs ☐ 48-hrs ☒
7 Compute design capture volume, DCV (ft^3): 38,220 *DCV = 1/12 * [Item 1* Item 3 *Item 5 * C_2], where C_2 is a function of drawdown rate (24-hr = 1.582; 48-hr = 1.963)* *Compute separate DCV for each outlet from the project site per schematic drawn in Form 3-1 Item 2*		

Form 4.2-2 Summary of HCOC Assessment (DA 1)

Does project have the potential to cause or contribute to an HCOC in a downstream channel: Yes ☐ No ☒

Go to: *http://permitrack.sbcounty.gov/wap/*

If "Yes", then complete HCOC assessment of site hydrology for 2yr storm event using Forms 4.2-3 through 4.2-5 and insert results below

(Forms 4.2-3 through 4.2-5 may be replaced by computer software analysis based on the San Bernardino County Hydrology Manual)

If "No," then proceed to Section 4.3 Project Conformance Analysis

Condition	Runoff Volume (ft^3)	Time of Concentration (min)	Peak Runoff (cfs)
Pre-developed	**1** *Form 4.2-3 Item 12*	**2** *Form 4.2-4 Item 13*	**3** *Form 4.2-5 Item 10*
Post-developed	**4** *Form 4.2-3 Item 13*	**5** *Form 4.2-4 Item 14*	**6** *Form 4.2-5 Item 14*
Difference	**7** *Item 4 – Item 1*	**8** *Item 2 – Item 5*	**9** *Item 6 – Item 3*
Difference (as % of pre-developed)	**10** % *Item 7 / Item 1*	**11** % *Item 8 / Item 2*	**12** % *Item 9 / Item 3*

Form 4.2-3 HCOC Assessment for Runoff Volume (DA 1) N/A

Weighted Curve Number Determination for: Pre-developed DA	DMA A	DMA B	DMA C	DMA D	DMA E	DMA F	DMA G	DMA H
1a Land Cover type								
2a Hydrologic Soil Group (HSG)								
3a DMA Area, ft^2 *sum of areas of DMA should equal area of DA*								
4a Curve Number (CN) *use Items 1 and 2 to select the appropriate CN from Appendix C-2 of the TGD for WQMP*								
Weighted Curve Number Determination for: Post-developed DA	DMA A	DMA B	DMA C	DMA D	DMA E	DMA F	DMA G	DMA H
1b Land Cover type								
2b Hydrologic Soil Group (HSG)								
3b DMA Area, ft^2 *sum of areas of DMA should equal area of DA*								
4b Curve Number (CN) *use Items 5 and 6 to select the appropriate CN from Appendix C-2 of the TGD for WQMP*								

5 Pre-Developed area-weighted CN:	**7** Pre-developed soil storage capacity, S (in): *S = (1000 / Item 5) - 10*	**9** Initial abstraction, I_a (in): *I_a = 0.2 * Item 7*
6 Post-Developed area-weighted CN:	**8** Post-developed soil storage capacity, S (in): *S = (1000 / Item 6) - 10*	**10** Initial abstraction, I_a (in): *I_a = 0.2 * Item 8*

11 Precipitation for 2 yr, 24 hr storm (in):
Go to: http://hdsc.nws.noaa.gov/hdsc/pfds/sa/sca_pfds.html

12 Pre-developed Volume (ft^3):
*V_{pre} =(1 / 12) * (Item sum of Item 3) * [(Item 11 – Item 9)^2 / ((Item 11 – Item 9 + Item 7)*

13 Post-developed Volume (ft^3):
*V_{pre} =(1 / 12) * (Item sum of Item 3) * [(Item 11 – Item 10)^2 / ((Item 11 – Item 10 + Item 8)*

14 Volume Reduction needed to meet HCOC Requirement, (ft^3):
*V_{HCOC} = (Item 13 * 0.95) – Item 12*

Form 4.2-4 HCOC Assessment for Time of Concentration (DA 1) N/A

Compute time of concentration for pre and post developed conditions for each DA *(For projects using the Hydrology Manual complete the form below)*

Variables	Pre-developed DA1 *Use additional forms if there are more than 4 DMA*				Post-developed DA1 *Use additional forms if there are more than 4 DMA*			
	DMA A	DMA B	DMA C	DMA D	DMA A	DMA B	DMA C	DMA D
1 Length of flowpath (ft) *Use Form 3-2 Item 5 for pre-developed condition*								
2 Change in elevation (ft)								
3 Slope (ft/ft), S_o *= Item 2 / Item 1*								
4 Land cover								
5 Initial DMA Time of Concentration (min) *Appendix C-1 of the TGD for WQMP*								
6 Length of conveyance from DMA outlet to project site outlet (ft) *May be zero if DMA outlet is at project site outlet*								
7 Cross-sectional area of channel (ft^2)								
8 Wetted perimeter of channel (ft)								
9 Manning's roughness of channel (n)								
10 Channel flow velocity (ft/sec) V_{fps} *= (1.49 / Item 9) * (Item 7/Item 8)^0.67 * (Item 3)^0.5*								
11 Travel time to outlet (min) T_t *= Item 6 / (Item 10 * 60)*								
12 Total time of concentration (min) T_c *= Item 5 + Item 11*								
13 Pre-developed time of concentration (min): *Minimum of Item 12 pre-developed DMA*								
14 Post-developed time of concentration (min): *Minimum of Item 12 post-developed DMA*								
15 Additional time of concentration needed to meet HCOC requirement (min): $T_{C\text{-}HCOC}$ *= (Item 13 * 0.95) – Item 14*								

Form 4.2-5 HCOC Assessment for Peak Runoff (DA 1) N/A

Compute peak runoff for pre- and post-developed conditions

Variables		Pre-developed DA to Project Outlet (*Use additional forms if more than 3 DMA)*			Post-developed DA to Project Outlet (*Use additional forms if more than 3 DMA)*		
		DMA A	DMA B	DMA C	DMA A	DMA B	DMA C
1 Rainfall Intensity for storm duration equal to time of concentration *I_{peak} = 10^(LOG Form 4.2-1 Item 4 - 0.6 LOG Form 4.2-4 Item 5 /60)*							
2 Drainage Area of each DMA (Acres) *For DMA with outlet at project site outlet, include upstream DMA (Using example schematic in Form 3-1, DMA A will include drainage from DMA C)*							
3 Ratio of pervious area to total area *For DMA with outlet at project site outlet, include upstream DMA (Using example schematic in Form 3-1, DMA A will include drainage from DMA C)*							
4 Pervious area infiltration rate (in/hr) *Use pervious area CN and antecedent moisture condition with Appendix C-3 of the TGD for WQMP*							
5 Maximum loss rate (in/hr) *F_m = Item 3 * Item 4* *Use area-weighted F_m from DMA with outlet at project site outlet, include upstream DMA (Using example schematic in Form 3-1, DMA A will include drainage from DMA C)*							
6 Peak Flow from DMA (cfs) *Q_p =Item 2 * 0.9 * (Item 1 - Item 5)*							
7 Time of concentration adjustment factor for other DMA to site discharge point *Form 4.2-4 Item 12 DMA / Other DMA upstream of site discharge point (If ratio is greater than 1.0, then use maximum value of 1.0)*	DMA A	*n/a*			*n/a*		
	DMA B		*n/a*			*n/a*	
	DMA C			*n/a*			*n/a*

8 Pre-developed Q_p at T_c for DMA A: *Q_p = Item 6_{DMAA} + [Item 6_{DMAB} * (Item 1_{DMAA} - Item 5_{DMAB})/(Item 1_{DMAB} - Item 5_{DMAB})* Item $7_{DMAA/2}$] + [Item 6_{DMAC} * (Item 1_{DMAA} - Item 5_{DMAC})/(Item 1_{DMAC} - Item 5_{DMAC})* Item $7_{DMAA/3}$]*	**9** Pre-developed Q_p at T_c for DMA B: *Q_p = Item 6_{DMAB} + [Item 6_{DMAA} * (Item 1_{DMAB} - Item 5_{DMAA})/(Item 1_{DMAA} - Item 5_{DMAA})* Item $7_{DMAB/1}$] + [Item 6_{DMAC} * (Item 1_{DMAB} - Item 5_{DMAC})/(Item 1_{DMAC} - Item 5_{DMAC})* Item $7_{DMAB/3}$]*	**10** Pre-developed Q_p at T_c for DMA C: *Q_p = Item 6_{DMAC} + [Item 6_{DMAA} * (Item 1_{DMAC} - Item 5_{DMAA})/(Item 1_{DMAA} - Item 5_{DMAA})* Item $7_{DMAC/1}$] + [Item 6_{DMAB} * (Item 1_{DMAC} - Item 5_{DMAB})/(Item 1_{DMAB} - Item 5_{DMAB})* Item $7_{DMAC/2}$]*
10 Peak runoff from pre-developed condition confluence analysis (cfs): *Maximum of Item 8, 9, and 10 (including additional forms as needed)*		
11 Post-developed Q_p at T_c for DMA A: *Same as Item 8 for post-developed values*	**12** Post-developed Q_p at T_c for DMA B: *Same as Item 9 for post-developed values*	**13** Post-developed Q_p at T_c for DMA C: *Same as Item 10 for post-developed values*
14 Peak runoff from post-developed condition confluence analysis (cfs): *Maximum of Item 11, 12, and 13 (including additional forms as needed)*		
15 Peak runoff reduction needed to meet HCOC Requirement (cfs): $Q_{p\text{-}HCOC}$ = *(Item 14 * 0.95) – Item 10*		

4.3 Project Conformance Analysis

Complete the following forms for each project site DA to document that the proposed LID BMPs conform to the project DCV developed to meet performance criteria specified in the MS4 Permit (WQMP Template Section 4.2). For the LID DCV, the forms are ordered according to hierarchy of BMP selection as required by the MS4 Permit (see Section 5.3.1 in the TGD for WQMP). The forms compute the following for on-site LID BMP:

- Site Design and Hydrologic Source Controls (Form 4.3-2)
- Retention and Infiltration (Form 4.3-3)
- Harvested and Use (Form 4.3-4) or
- Biotreatment (Form 4.3-5).

At the end of each form, additional fields facilitate the determination of the extent of mitigation provided by the specific BMP category, allowing for use of the next category of BMP in the hierarchy, if necessary.

The first step in the analysis, using Section 5.3.2.1 of the TGD for WQMP, is to complete Forms 4.3-1 and 4.3-3) to determine if retention and infiltration BMPs are infeasible for the project. For each feasibility criterion in Form 4.3-1, if the answer is "Yes," provide all study findings that includes relevant calculations, maps, data sources, etc. used to make the determination of infeasibility.

Next, complete Forms 4.3-2 and 4.3-4 to determine the feasibility of applicable HSC and harvest and use BMPs, and, if their implementation is feasible, the extent of mitigation of the DCV.

If no site constraints exist that would limit the type of BMP to be implemented in a DA, evaluate the use of combinations of LID BMPs, including all applicable HSC BMPs to maximize on-site retention of the DCV. If no combination of BMP can mitigate the entire DCV, implement the single BMP type, or combination of BMP types, that maximizes on-site retention of the DCV within the minimum effective area.

If the combination of LID HSC, retention and infiltration, and harvest and use BMPs are unable to mitigate the entire DCV, then biotreatment BMPs may be implemented by the project proponent. If biotreatment BMPs are used, then they must be sized to provide sufficient capacity for effective treatment of the remainder of the volume-based performance criteria that cannot be achieved with LID BMPs (TGD for WQMP Section 5.4.4.2). **Under no circumstances shall any portion of the DCV be released from the site without effective mitigation and/or treatment**.

Form 4.3-1 Infiltration BMP Feasibility (DA 1)

Feasibility Criterion – Complete evaluation for each DA on the Project Site

[1] Would infiltration BMP pose significant risk for groundwater related concerns? Yes ☐ No ☒
Refer to Section 5.3.2.1 of the TGD for WQMP

If Yes, Provide basis: (attach)

[2] Would installation of infiltration BMP significantly increase the risk of geotechnical hazards? Yes ☐ No ☒
(Yes, if the answer to any of the following questions is yes, as established by a geotechnical expert):

- The location is less than 50 feet away from slopes steeper than 15 percent
- The location is less than eight feet from building foundations or an alternative setback.
- A study certified by a geotechnical professional or an available watershed study determines that stormwater infiltration would result in significantly increased risks of geotechnical hazards.

If Yes, Provide basis: (attach)

[3] Would infiltration of runoff on a Project site violate downstream water rights? Yes ☐ No ☒

If Yes, Provide basis: (attach)

[4] Is proposed infiltration facility located on hydrologic soil group (HSG) D soils or does the site geotechnical investigation indicate presence of soil characteristics, which support categorization as D soils? Yes ☐ No ☒

If Yes, Provide basis: (attach)

[5] Is the design infiltration rate, after accounting for safety factor of 2.0, below proposed facility less than 0.3 in/hr (accounting for soil amendments)? Yes ☐ No ☒

If Yes, Provide basis: (attach)

[6] Would on-site infiltration or reduction of runoff over pre-developed conditions be partially or fully inconsistent with watershed management strategies as defined in the WAP, or impair beneficial uses? Yes ☐ No ☒
See Section 3.5 of the TGD for WQMP and WAP

If Yes, Provide basis: (attach)

[7] Any answer from Item 1 through Item 3 is "Yes": Yes ☐ No ☐
If yes, infiltration of any volume is not feasible onsite. Proceed to Form 4.3-4, Harvest and Use BMP. If no, then proceed to Item 8 below.

[8] Any answer from Item 4 through Item 6 is "Yes": Yes ☐ No ☐
If yes, infiltration is permissible but is not required to be considered. Proceed to Form 4.3-2, Hydrologic Source Control BMP.
If no, then proceed to Item 9, below.

[9] All answers to Item 1 through Item 6 are "No":
Infiltration of the full DCV is potentially feasible, LID infiltration BMP must be designed to infiltrate the full DCV to the MEP.
Proceed to Form 4.3-2, Hydrologic Source Control BMP.

4.3.1 Site Design Hydrologic Source Control BMP

Section XI.E. of the Permit emphasizes the use of LID preventative measures; and the use of LID HSC BMPs reduces the portion of the DCV that must be addressed in downstream BMPs. Therefore, all applicable HSC shall be provided except where they are mutually exclusive with each other, or with other BMPs. Mutual exclusivity may result from overlapping BMP footprints such that either would be potentially feasible by itself, but both could not be implemented. Please note that while there are no numeric standards regarding the use of HSC, if a project cannot feasibly meet BMP sizing requirements or cannot fully address HCOCs, feasibility of all applicable HSC must be part of demonstrating that the BMP system has been designed to retain the maximum feasible portion of the DCV. Complete Form 4.3-2 to identify and calculate estimated retention volume from implementing site design HSC BMP. Refer to Section 5.4.1 in the TGD for more detailed guidance.

1 Implementation of Impervious Area Dispersion BMP (i.e. routing runoff from impervious to pervious areas), excluding impervious areas planned for routing to on-lot infiltration BMP: Yes ☐ No ☒ *If yes, complete Items 2-5; If no, proceed to Item 6*	DA DMA BMP Type	DA DMA BMP Type	DA DMA BMP Type *(Use additional forms for more BMPs)*
2 Total impervious area draining to pervious area (ft^2)	0		
3 Ratio of pervious area receiving runoff to impervious area	0		
4 Retention volume achieved from impervious area dispersion (ft^3) *V = Item2 * Item 3 * (0.5/12), assuming retention of 0.5 inches of runoff*	0		
5 Sum of retention volume achieved from impervious area dispersion (ft^3): *$V_{retention}$ =Sum of Item 4 for all BMPs*			
6 Implementation of Localized On-lot Infiltration BMPs (e.g. on-lot rain gardens): Yes ☐ No ☒ *If yes, complete Items 7-13 for aggregate of all on-lot infiltration BMP in each DA; If no, proceed to Item 14*	DA DMA BMP Type	DA DMA BMP Type	DA DMA BMP Type *(Use additional forms for more BMPs)*
7 Ponding surface area (ft^2)			
8 Ponding depth (ft)			
9 Surface area of amended soil/gravel (ft^2)			
10 Average depth of amended soil/gravel (ft)			
11 Average porosity of amended soil/gravel			
12 Retention volume achieved from on-lot infiltration (ft^3) *$V_{retention}$ = (Item 7 *Item 8) + (Item 9 * Item 10 * Item 11)*			
13 Runoff volume retention from on-lot infiltration (ft^3): *$V_{retention}$ =Sum of Item 12 for all BMPs*			

Form 4.3-2 cont. Site Design Hydrologic Source Control BMPs (DA 1)

14 Implementation of evapotranspiration BMP (green, brown, or blue roofs): Yes ☐ No ☒ *If yes, complete Items 15-20. If no, proceed to Item 21*	DA DMA BMP Type	DA DMA BMP Type	DA DMA BMP Type *(Use additional forms for more BMPs)*
15 Rooftop area planned for ET BMP (ft^2)			
16 Average wet season ET demand (in/day) *Use local values, typical ~ 0.1*			
17 Daily ET demand (ft^3/day) *Item 15 * (Item 16 / 12)*			
18 Drawdown time (hrs) *Copy Item 6 in Form 4.2-1*			
19 Retention Volume (ft^3) *$V_{retention}$ = Item 17 * (Item 18 / 24)*			
20 Runoff volume retention from evapotranspiration BMPs (ft^3): *$V_{retention}$ =Sum of Item 19 for all BMPs*			
21 Implementation of Street Trees: Yes ☐ No ☒ *If yes, complete Items 22-25. If no, proceed to Item 26*	DA DMA BMP Type	DA DMA BMP Type	DA DMA BMP Type *(Use additional forms for more BMPs)*
22 Number of Street Trees			
23 Average canopy cover over impervious area (ft^2)			
24 Runoff volume retention from street trees (ft^3) *$V_{retention}$ = Item 22 * Item 23 * (0.05/12) assume runoff retention of 0.05 inches*			
25 Runoff volume retention from street tree BMPs (ft^3): *$V_{retention}$ = Sum of Item 24 for all BMPs*			
26 Implementation of residential rain barrel/cisterns: Yes☐ No ☒ *If yes, complete Items 27-29; If no, proceed to Item 30*	DA DMA BMP Type	DA DMA BMP Type	DA DMA BMP Type *(Use additional forms for more BMPs)*
27 Number of rain barrels/cisterns			
28 Runoff volume retention from rain barrels/cisterns (ft^3) *$V_{retention}$ = Item 27 * 3*			
29 Runoff volume retention from residential rain barrels/Cisterns (ft3): *$V_{retention}$ =Sum of Item 28 for all BMPs*			
30 Total Retention Volume from Site Design Hydrologic Source Control BMPs: 0 *Sum of Items 5, 13, 20, 25 and 29*			

4.3.2 Infiltration BMPs

Use Form 4.3-3 to compute on-site retention of runoff from proposed retention and infiltration BMPs. Volume retention estimates are sensitive to the percolation rate used, which determines the amount of runoff that can be infiltrated within the specified drawdown time. The infiltration safety factor reduces field measured percolation to account for potential inaccuracy associated with field measurements, declining BMP performance over time, and compaction during construction. Appendix D of the TGD for WQMP provides guidance on estimating an appropriate safety factor to use in Form 4.3-3.

If site constraints limit the use of BMPs to a single type and implementation of retention and infiltration BMPs mitigate no more than 40% of the DCV, then they are considered infeasible and the Project Proponent may evaluate the effectiveness of BMPs lower in the LID hierarchy of use (Section 5.5.1 of the TGD for WQMP)

If implementation of infiltrations BMPs is feasible as determined using Form 4.3-1, then LID infiltration BMPs shall be implemented to the MEP (section 4.1 of the TGD for WQMP).

.

Form 4.3-3 Infiltration LID BMP - including underground BMPs (DA 1)

1 Remaining LID DCV not met by site design HSC BMP (ft^3): *V_{unmet} = Form 4.2-1 Item 7 - Form 4.3-2 Item 30*			
BMP Type *Use columns to the right to compute runoff volume retention from proposed infiltration BMP (select BMP from Table 5-4 in TGD for WQMP) - Use additional forms for more BMPs*	DA DMA BMP Type Underground Infiltration	DA DMA BMP Type	DA DMA BMP Type *(Use additional forms for more BMPs)*
2 Infiltration rate of underlying soils (in/hr) *See Section 5.4.2 and Appendix D of the TGD for WQMP for minimum requirements for assessment methods*	3.0		
3 Infiltration safety factor *See TGD Section 5.4.2 and Appendix D*	2.5		
4 Design percolation rate (in/hr) *P_{design} = Item 2 / Item 3*	1.2		
5 Ponded water drawdown time (hr) *Copy Item 6 in Form 4.2-1*	48		
6 Maximum ponding depth (ft) *BMP specific, see Table 5-4 of the TGD for WQMP for BMP design details*	N/A		
7 Ponding Depth (ft) *d_{BMP} = Minimum of (1/12*Item 4*Item 5) or Item 6*	4.8		
8 Infiltrating surface area, SA_{BMP} (ft^2) *the lesser of the area needed for infiltration of full DCV or minimum space requirements from Table 5.7 of the TGD for WQMP*	7,963		
9 Amended soil depth, d_{media} (ft) *Only included in certain BMP types, see Table 5-4 in the TGD for WQMP for reference to BMP design details*	N/A		
10 Amended soil porosity	N/A		
11 Gravel depth, d_{media} (ft) *Only included in certain BMP types, see Table 5-4 of the TGD for WQMP for BMP design details*	N/A		
12 Gravel porosity	0.35		
13 Duration of storm as basin is filling (hrs) *Typical ~ 3hrs*	3		
14 Above Ground Retention Volume (ft^3) *$V_{retention}$ = Item 8 * [Item7 + (Item 9 * Item 10) + (Item 11 * Item 12) + (Item 13 * (Item 4 / 12))]*	0		
15 Underground Retention Volume (ft^3) *Volume determined using manufacturer's specifications and calculations*	38,405		
16 Total Retention Volume from LID Infiltration BMPs: 38,405 *(Sum of Items 14 and 15 for all infiltration BMP included in plan)*			
17 Fraction of DCV achieved with infiltration BMP: 100% *Retention% = Item 16 / Form 4.2-1 Item 7*			
18 Is full LID DCV retained onsite with combination of hydrologic source control and LID retention/infiltration BMPs? Yes ☒ No ☐ *If yes, demonstrate conformance using Form 4.3-10; If no, then reduce Item 3, Factor of Safety to 2.0 and increase Item 8, Infiltrating Surface Area, such that the portion of the site area used for retention and infiltration BMPs equals or exceeds the minimum effective area thresholds (Table 5-7 of the TGD for WQMP) for the applicable category of development and repeat all above calculations.*			

4.3.3 Harvest and Use BMP

Harvest and use BMP may be considered if the full LID DCV cannot be met by maximizing infiltration BMPs. Use Form 4.3-4 to compute on-site retention of runoff from proposed harvest and use BMPs.

Volume retention estimates for harvest and use BMPs are sensitive to the on-site demand for captured stormwater. Since irrigation water demand is low in the wet season, when most rainfall events occur in San Bernardino County, the volume of water that can be used within a specified drawdown period is relatively low. The bottom portion of Form 4.3-4 facilitates the necessary computations to show infeasibility if a minimum incremental benefit of 40 percent of the LID DCV would not be achievable with MEP implementation of on-site harvest and use of stormwater (Section 5.5.4 of the TGD for WQMP).

Form 4.3-4 Harvest and Use BMPs (DA 1) N/A

1 Remaining LID DCV not met by site design HSC or infiltration BMP (ft^3): N/A *V_{unmet} = Form 4.2-1 Item 7 - Form 4.3-2 Item 30 – Form 4.3-3 Item 16*			
BMP Type(s) *Compute runoff volume retention from proposed harvest and use BMP (Select BMPs from Table 5-4 of the TGD for WQMP) - Use additional forms for more BMPs*	DA DMA BMP Type	DA DMA BMP Type	DA DMA BMP Type *(Use additional forms for more BMPs)*
2 Describe cistern or runoff detention facility			
3 Storage volume for proposed detention type (ft^3) *Volume of cistern*			
4 Landscaped area planned for use of harvested stormwater (ft^2)			
5 Average wet season daily irrigation demand (in/day) Use local values, typical ~ 0.1 in/day			
6 Daily water demand (ft^3/day) *Item 4 * (Item 5 / 12)*			
7 Drawdown time (hrs) *Copy Item 6 from Form 4.2-1*			
8 Retention Volume (ft^3) *$V_{retention}$ = Minimum of (Item 3) or (Item 6 * (Item 7 / 24))*			
9 Total Retention Volume (ft^3) from Harvest and Use BMP *Sum of Item 8 for all harvest and use BMP included in plan*			
10 Is the full DCV retained with a combination of LID HSC, retention and infiltration, and harvest & use BMPs? Yes ☐ No ☐ *If yes, demonstrate conformance using Form 4.3-10. If no, then re-evaluate combinations of all LID BMP and optimize their implementation such that the maximum portion of the DCV is retained on-site (using a single BMP type or combination of BMP types). If the full DCV cannot be mitigated after this optimization process, proceed to Section 4.3.4.*			

4.3.4 Biotreatment BMP

Biotreatment BMPs may be considered if the full LID DCV cannot be met by maximizing retention and infiltration, and harvest and use BMPs. A key consideration when using biotreatment BMP is the effectiveness of the proposed BMP in addressing the pollutants of concern for the project (see Table 5-5 of the TGD for WQMP).

Use Form 4.3-5 to summarize the potential for volume based and/or flow based biotreatment options to biotreat the remaining unmet LID DCV w. Biotreatment computations are included as follows:

- Use Form 4.3-6 to compute biotreatment in small volume based biotreatment BMP (e.g. bioretention w/underdrains);
- Use Form 4.3-7 to compute biotreatment in large volume based biotreatment BMP (e.g. constructed wetlands);
- Use Form 4.3-8 to compute sizing criteria for flow-based biotreatment BMP (e.g. bioswales)

Form 4.3-5 Selection and Evaluation of Biotreatment BMP (DA 1) N/A

1 Remaining LID DCV not met by site design HSC, infiltration, or harvest and use BMP for potential biotreatment (ft^3): N/A *Form 4.2-1 Item 7 - Form 4.3-2 Item 30 – Form 4.3-3 Item 16- Form 4.3-4 Item 9*	List pollutants of concern *Copy from Form 2.3-1.*	
2 Biotreatment BMP Selected *(Select biotreatment BMP(s) necessary to ensure all pollutants of concern are addressed through Unit Operations and Processes, described in Table 5-5 of the TGD for WQMP)*	Volume-based biotreatment *Use Forms 4.3-6 and 4.3-7 to compute treated volume*	Flow-based biotreatment *Use Form 4.3-8 to compute treated volume*
	☐ Bioretention with underdrain ☐ Planter box with underdrain ☐ Constructed wetlands ☐ Wet extended detention ☐ Dry extended detention	☐ Vegetated swale ☐ Vegetated filter strip ☐ Proprietary biotreatment
3 Volume biotreated in volume based biotreatment BMP (ft^3): *Form 4.3-6 Item 15 + Form 4.3-7 Item 13*	**4** Compute remaining LID DCV with implementation of volume based biotreatment BMP (ft^3): *Item 1 – Item 3*	**5** Remaining fraction of LID DCV for sizing flow based biotreatment BMP: % *Item 4 / Item 1*
6 Flow-based biotreatment BMP capacity provided (cfs): *Use Figure 5-2 of the TGD for WQMP to determine flow capacity required to provide biotreatment of remaining percentage of unmet LID DCV (Item 5), for the project's precipitation zone (Form 3-1 Item 1)*		
7 Metrics for MEP determination: • Provided a WQMP with the portion of site area used for suite of LID BMP equal to minimum thresholds in Table 5-7 of the TGD for WQMP for the proposed category of development: ☐ *If maximized on-site retention BMPs is feasible for partial capture, then LID BMP implementation must be optimized to retain and infiltrate the maximum portion of the DCV possible within the prescribed minimum effective area. The remaining portion of the DCV shall then be mitigated using biotreatment BMP.*		

Form 4.3-6 Volume Based Biotreatment (DA 1) – Bioretention and Planter Boxes with Underdrains N/A

Biotreatment BMP Type *(Bioretention w/underdrain, planter box w/underdrain, other comparable BMP)*	DA DMA BMP Type	DA DMA BMP Type	DA DMA BMP Type *(Use additional forms for more BMPs)*
1 Pollutants addressed with BMP *List all pollutant of concern that will be effectively reduced through specific Unit Operations and Processes described in Table 5-5 of the TGD for WQMP*			
2 Amended soil infiltration rate *Typical ~ 5.0*			
3 Amended soil infiltration safety factor *Typical ~ 2.0*			
4 Amended soil design percolation rate (in/hr) P_{design} *= Item 2 / Item 3*			
5 Ponded water drawdown time (hr) *Copy Item 6 from Form 4.2-1*			
6 Maximum ponding depth (ft) *see Table 5-6 of the TGD for WQMP for reference to BMP design details*			
7 Ponding Depth (ft) d_{BMP} *= Minimum of (1/12 * Item 4 * Item 5) or Item 6*			
8 Amended soil surface area (ft^2)			
9 Amended soil depth (ft) *see Table 5-6 of the TGD for WQMP for reference to BMP design details*			
10 Amended soil porosity, *n*			
11 Gravel depth (ft) *see Table 5-6 of the TGD for WQMP for reference to BMP design details*			
12 Gravel porosity, *n*			
13 Duration of storm as basin is filling (hrs) *Typical ~ 3hrs*			
14 Biotreated Volume (ft^3) $V_{biotreated}$ *= Item 8 * [(Item 7/2) + (Item 9 * Item 10) +(Item 11 * Item 12) + (Item 13 * (Item 4 / 12))]*			
15 Total biotreated volume from bioretention and/or planter box with underdrains BMP: *Sum of Item 14 for all volume-based BMPs included in this form*			

Form 4.3-7 Volume Based Biotreatment (DA 1) – Constructed Wetlands and Extended Detention N/A

Biotreatment BMP Type *Constructed wetlands, extended wet detention, extended dry detention, or other comparable proprietary BMP. If BMP includes multiple modules (e.g. forebay and main basin), provide separate estimates for storage and pollutants treated in each module.*	DA DMA BMP Type		DA DMA BMP Type *(Use additional forms for more BMPs)*	
	Forebay	Basin	Forebay	Basin
1 Pollutants addressed with BMP forebay and basin *List all pollutant of concern that will be effectively reduced through specific Unit Operations and Processes described in Table 5-5 of the TGD for WQMP*				
2 Bottom width (ft)				
3 Bottom length (ft)				
4 Bottom area (ft^2) A_{bottom} = *Item 2 * Item 3*				
5 Side slope (ft/ft)				
6 Depth of storage (ft)				
7 Water surface area (ft^2) $A_{surface}$ =*(Item 2 + (2 * Item 5 * Item 6)) * (Item 3 + (2 * Item 5 * Item 6))*				
8 Storage volume (ft^3) *For BMP with a forebay, ensure fraction of total storage is within ranges specified in BMP specific fact sheets, see Table 5-6 of the TGD for WQMP for reference to BMP design details* V =*Item 6 / 3 * [Item 4 + Item 7 + (Item 4 * Item 7)^0.5]*				
9 Drawdown Time (hrs) *Copy Item 6 from Form 2.1*				
10 Outflow rate (cfs) Q_{BMP} = *(Item* $8_{forebay}$ *+ Item* 8_{basin}*) / (Item 9 * 3600)*				
11 Duration of design storm event (hrs)				
12 Biotreated Volume (ft^3) $V_{biotreated}$ = *(Item* $8_{forebay}$ *+ Item* 8_{basin}*) +(Item 10 * Item 11 * 3600)*				
13 Total biotreated volume from constructed wetlands, extended dry detention, or extended wet detention : *(Sum of Item 12 for all BMP included in plan)*				

Form 4.3-8 Flow Based Biotreatment (DA 1) N/A

Biotreatment BMP Type *Vegetated swale, vegetated filter strip, or other comparable proprietary BMP*	DA DMA BMP Type	DA DMA BMP Type	DA DMA BMP Type *(Use additional forms for more BMPs)*
1 Pollutants addressed with BMP *List all pollutant of concern that will be effectively reduced through specific Unit Operations and Processes described in TGD Table 5-5*			
2 Flow depth for water quality treatment (ft) *BMP specific, see Table 5-6 of the TGD for WQMP for reference to BMP design details*			
3 Bed slope (ft/ft) *BMP specific, see Table 5-6 of the TGD for WQMP for reference to BMP design details*			
4 Manning's roughness coefficient			
5 Bottom width (ft) *b_w = (Form 4.3-5 Item 6 * Item 4) / (1.49 * Item 2^1.67 * Item 3^0.5)*			
6 Side Slope (ft/ft) *BMP specific, see Table 5-6 of the TGD for WQMP for reference to BMP design details*			
7 Cross sectional area (ft^2) *A = (Item 5 * Item 2) + (Item 6 * Item 2^2)*			
8 Water quality flow velocity (ft/sec) *V = Form 4.3-5 Item 6 / Item 7*			
9 Hydraulic residence time (min) *Pollutant specific, see Table 5-6 of the TGD for WQMP for reference to BMP design details*			
10 Length of flow based BMP (ft) *L = Item 8 * Item 9 * 60*			
11 Water surface area at water quality flow depth (ft^2) *SA_{top} = (Item 5 + (2 * Item 2 * Item 6)) * Item 10*			

4.3.5 Conformance Summary

Complete Form 4.3-9 to demonstrate how on-site LID DCV is met with proposed site design hydrologic source control, infiltration, harvest and use, and/or biotreatment BMP. The bottom line of the form is used to describe the basis for infeasibility determination for on-site LID BMP to achieve full LID DCV, and provides methods for computing remaining volume to be addressed in an alternative compliance plan. If the project has more than one outlet, then complete additional versions of this form for each outlet.

Form 4.3-9 Conformance Summary and Alternative Compliance Volume Estimate (DA 1)

1 Total LID DCV for the Project DA-1 (ft^3): 38,220 *Copy Item 7 in Form 4.2-1*

2 On-site retention with site design hydrologic source control LID BMP (ft^3): 0 *Copy Item 30 in Form 4.3-2*

3 On-site retention with LID infiltration BMP (ft^3): 38,405 *Copy Item 16 in Form 4.3-3*

4 On-site retention with LID harvest and use BMP (ft^3): 0 *Copy Item 9 in Form 4.3-4*

5 On-site biotreatment with volume based biotreatment BMP (ft^3): 0 *Copy Item 3 in Form 4.3-5*

6 Flow capacity provided by flow based biotreatment BMP (cfs): 0 *Copy Item 6 in Form 4.3-5*

7 LID BMP performance criteria are achieved if answer to any of the following is "Yes":

- Full retention of LID DCV with site design HSC, infiltration, or harvest and use BMP: Yes ☒ No ☐
  If yes, sum of Items 2, 3, and 4 is greater than Item 1
- Combination of on-site retention BMPs for a portion of the LID DCV and volume-based biotreatment BMP that address all pollutants of concern for the remaining LID DCV: Yes ☐ No ☐
  If yes, a) sum of Items 2, 3, 4, and 5 is greater than Item 1, and Items 2, 3 and 4 are maximized; or b) Item 6 is greater than Form 4.3--5 Item 6 and Items 2, 3 and 4 are maximized
- On-site retention and infiltration is determined to be infeasible and biotreatment BMP provide biotreatment for all pollutants of concern for full LID DCV: Yes ☐ No ☐
  If yes, Form 4.3-1 Items 7 and 8 were both checked yes

8 If the LID DCV is not achieved by any of these means, then the project may be allowed to develop an alternative compliance plan. Check box that describes the scenario which caused the need for alternative compliance:

- Combination of HSC, retention and infiltration, harvest and use, and biotreatment BMPs provide less than full LID DCV capture: ☐
  Checked yes for Form 4.3-5 Item 7, Item 6 is zero, and sum of Items 2, 3, 4, and 5 is less than Item 1. If so, apply water quality credits and calculate volume for alternative compliance, V_{alt} *= (Item 1 – Item 2 – Item 3 – Item 4 – Item 5) * (100 - Form 2.4-1 Item 2)%*
- An approved Watershed Action Plan (WAP) demonstrates that water quality and hydrologic impacts of urbanization are more effective when managed in at an off-site facility: ☐
  Attach appropriate WAP section, including technical documentation, showing effectiveness comparisons for the project site and regional watershed

4.3.6 Hydromodification Control BMP (No HCOC exists for this site)

Use Form 4.3-10 to compute the remaining runoff volume retention, after LID BMP are implemented, needed to address HCOC, and the increase in time of concentration and decrease in peak runoff necessary to meet targets for protection of waterbodies with a potential HCOC. Describe hydromodification control BMP that address HCOC, which may include off-site BMP and/or in-stream controls. Section 5.6 of the TGD for WQMP provides additional details on selection and evaluation of hydromodification control BMP.

Form 4.3-10 Hydromodification Control BMPs (DA 1)

1 Volume reduction needed for HCOC performance criteria (ft^3): 0 *(Form 4.2-2 Item 4 * 0.95) – Form 4.2-2 Item 1*	**2** On-site retention with site design hydrologic source control, infiltration, and harvest and use LID BMP (ft^3): *Sum of Form 4.3-9 Items 2, 3, and 4 Evaluate option to increase implementation of on-site retention in Forms 4.3-2, 4.3-3, and 4.3-4 in excess of LID DCV toward achieving HCOC volume reduction*
3 Remaining volume for HCOC volume capture (ft^3): *Item 1 – Item 2*	**4** Volume capture provided by incorporating additional on-site or off-site retention BMPs (ft^3): *Existing downstream BMP may be used to demonstrate additional volume capture (if so, attach to this WQMP a hydrologic analysis showing how the additional volume would be retained during a 2-yr storm event for the regional watershed)*

5 If Item 4 is less than Item 3, incorporate in-stream controls on downstream waterbody segment to prevent impacts due to hydromodification ☐ *Attach in-stream control BMP selection and evaluation to this WQMP*

6 Is Form 4.2-2 Item 11 less than or equal to 5%: Yes ☐ No ☐

If yes, HCOC performance criteria is achieved. If no, select one or more mitigation options below:

- Demonstrate increase in time of concentration achieved by proposed LID site design, LID BMP, and additional on-site or off-site retention BMP ☐
  BMP upstream of a waterbody segment with a potential HCOC may be used to demonstrate increased time of concentration through hydrograph attenuation (if so, show that the hydraulic residence time provided in BMP for a 2-year storm event is equal or greater than the addition time of concentration requirement in Form 4.2-4 Item 15)
- Increase time of concentration by preserving pre-developed flow path and/or increase travel time by reducing slope and increasing cross-sectional area and roughness for proposed on-site conveyance facilities ☐
- Incorporate appropriate in-stream controls for downstream waterbody segment to prevent impacts due to hydromodification, in a plan approved and signed by a licensed engineer in the State of California ☐

7 Form 4.2-2 Item 12 less than or equal to 5%: Yes ☐ No ☐

If yes, HCOC performance criteria is achieved. If no, select one or more mitigation options below:

- Demonstrate reduction in peak runoff achieved by proposed LID site design, LID BMPs, and additional on-site or off-site retention BMPs ☐
  BMPs upstream of a waterbody segment with a potential HCOC may be used to demonstrate additional peak runoff reduction through hydrograph attenuation (if so, attach to this WQMP, a hydrograph analysis showing how the peak runoff would be reduced during a 2-yr storm event)
- Incorporate appropriate in-stream controls for downstream waterbody segment to prevent impacts due to hydromodification, in a plan approved and signed by a licensed engineer in the State of California ☐

4.4 Alternative Compliance Plan (if applicable) N/A

Describe an alternative compliance plan (if applicable) for projects not fully able to infiltrate, harvest and use, or biotreat the DCV via on-site LID practices. A project proponent must develop an alternative compliance plan to address the remainder of the LID DCV. Depending on project type some projects may qualify for water quality credits that can be applied to reduce the DCV that must be treated prior to development of an alternative compliance plan (see Form 2.4-1, Water Quality Credits). Form 4.3-9 Item 8 includes instructions on how to apply water quality credits when computing the DCV that must be met through alternative compliance. Alternative compliance plans may include one or more of the following elements:

- On-site structural treatment control BMP - All treatment control BMP should be located as close to possible to the pollutant sources and should not be located within receiving waters;
- Off-site structural treatment control BMP - Pollutant removal should occur prior to discharge of runoff to receiving waters;
- Urban runoff fund or In-lieu program, if available

Depending upon the proposed alternative compliance plan, approval by the executive officer may or may not be required (see Section 6 of the TGD for WQMP).

Section 5 Inspection and Maintenance Responsibility for Post Construction BMP

All BMP included as part of the project WQMP are required to be maintained through regular scheduled inspection and maintenance (refer to Section 8, Post Construction BMP Requirements, in the TGD for WQMP). Fully complete Form 5-1 summarizing all BMP included in the WQMP. Attach additional forms as needed. The WQMP shall also include a detailed Operation and Maintenance Plan for all BMP and may require a Maintenance Agreement (consult the jurisdiction's LIP). If a Maintenance Agreement is required, it must also be attached to the WQMP.

Form 5-1 BMP Inspection and Maintenance (use additional forms as necessary)

BMP	Reponsible Party(s)	Inspection/ Maintenance Activities Required	Minimum Frequency of Activities
Storm Drain Signage	JPI Companies	Any illigible stencils shall be restencilled as soon as possible	Yearly
Trash Storage Area	JPI Companies	Look for any possible licking from the Dumpsters and make sure the Dumpstars are fully coverd. Litters are dumped properly.	Weekly or as necessary
Irrigation Systems	JPI Companies	Make sure Sprinkler heads are in working order and the system is working properly	Monthly or as necessary
CDC Unit Hydro-dynamic Separator	JPI Companies	CDS Units shall be inspected to determine the amount of accumulated pollutants and to ensure that the cleanout frequency is adequate to handle the predicted pollutant load. The CDS units shall be cleaned by vacuum whenever the sump is >25% full of debris.	Bi-Annually
Underground Infiltration System	JPI Companies	Underground storm water infiltration systems shall be inspected semiannually by October 1st and February 1st and within 48 hours after a significant rain event each year, to determine drawdowns within 48 hrs and maintained by flushing and vacuum of accumulated solids, via access manhole when necessary, to ensure optimum performance. The rate at which the system collects pollutants will depend more on site activities than the size or configuration of the system.	Bi-Annually

Section 6 WQMP Attachments

6.1. Site Plan and Drainage Plan

Include a site plan and drainage plan sheet set containing the following minimum information:

- Project location
- Site boundary
- Land uses and land covers, as applicable
- Suitability/feasibility constraints
- Structural Source Control BMP locations
- Site Design Hydrologic Source Control BMP locations
- LID BMP details
- Drainage delineations and flow information
- Drainage connections

6.2 Electronic Data Submittal

Minimum requirements include submittal of PDF exhibits in addition to hard copies. Format must not require specialized software to open. If the local jurisdiction requires specialized electronic document formats (as described in their local Local Implementation Plan), this section will describe the contents (e.g., layering, nomenclature, geo-referencing, etc.) of these documents so that they may be interpreted efficiently and accurately.

6.3 Post Construction

Attach all O&M Plans and Maintenance Agreements for BMP to the WQMP.

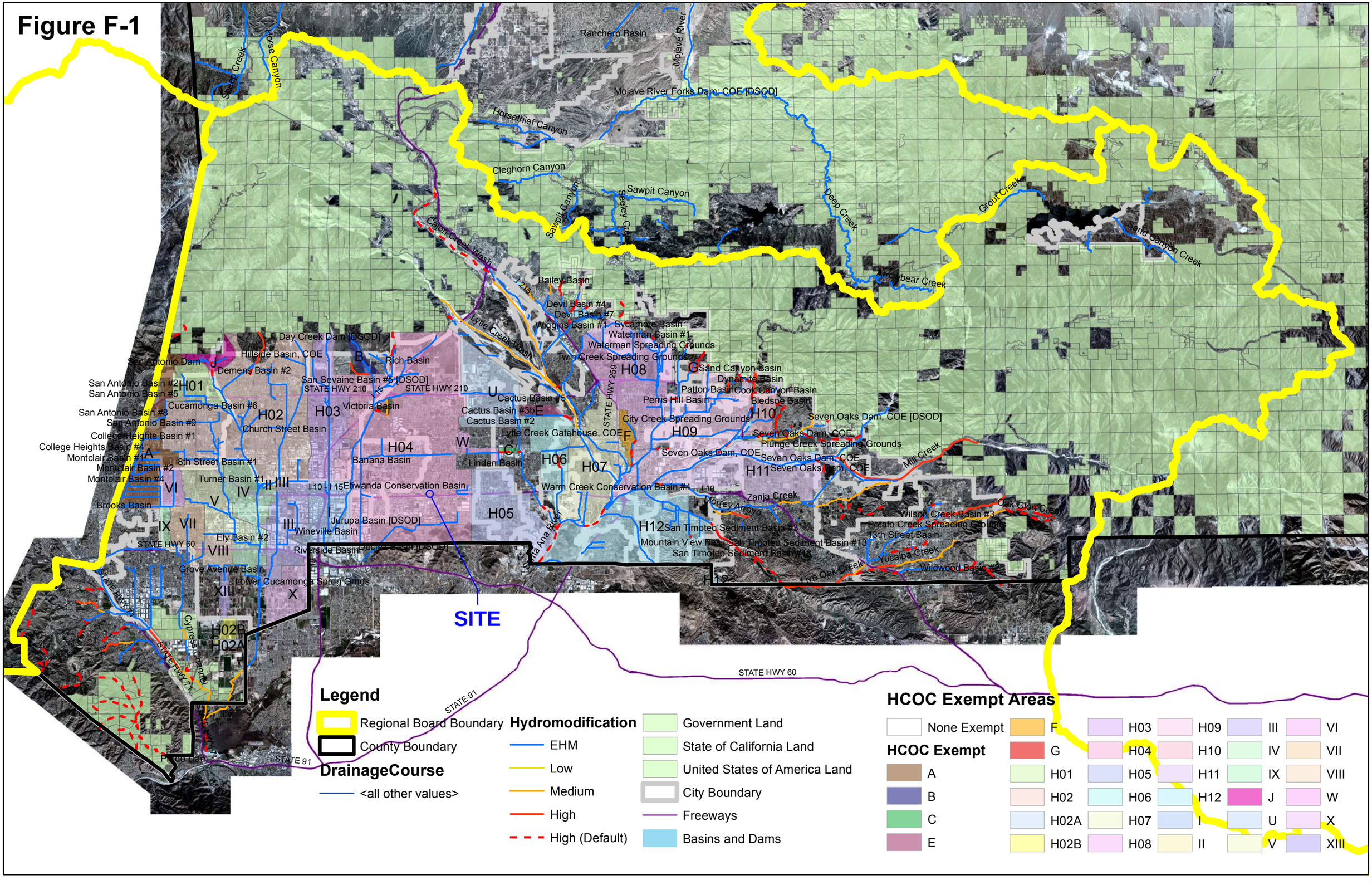
6.4 Other Supporting Documentation

- BMP Educational Materials
- Activity Restriction – C, C&R's & Lease Agreements

NOTES ON HYDROLOGIC CONDITION OF CONCERN

Proposed project located within the area that is HCOC exempt. See HCOC Exemption Criteria Map for additional information.

Figure F-1


Ranchero Basin
Mojave River
Mojave River Forks Dam: COE [DSOD]
Horsethief Canyon
Cleghorn Canyon
Sawpit Canyon
Deep Creek
Grout Creek
Sand Canyon Creek
Bear Creek
Cajon Creek Wash
Lytle Creek Wash
Bailey Basin
Devil Basin #4
Devil Basin #7
Wiggins Basin #1
Sycamore Basin
Waterman Basin #1
Waterman Spreading Grounds
Twin Creek Spreading Grounds
Day Creek Dam [DSOD]
Hillside Basin, COE
Rich Basin
San Antonio Dam
Demens Basin #2
San Antonio Basin #2
San Antonio Basin #5
San Sevaine Basin #5 [DSOD]
STATE HWY 210
STATE HWY 210
Cucamonga Basin #6
Victoria Basin
San Antonio Basin #8
San Antonio Basin #9
College Heights Basin #1
College Heights Basin #4
Montclair Basin #1
Montclair Basin #2
Montclair Basin #4
Church Street Basin
8th Street Basin #1
Turner Basin #1
Brooks Basin
Ely Basin #2
Grove Avenue Basin
Lower Cucamonga Spdg Grnds
Cactus Basin #5
Cactus Basin #3b
Cactus Basin #2
Lytle Creek Gatehouse, COE
Linden Basin
Banana Basin
Etiwanda Conservation Basin
Jurupa Basin [DSOD]
Wineville Basin
Riverside Basin
Declez Basin [DSOD]
Warm Creek Conservation Basin #4
Santa Ana River
Sand Canyon Basin
Dynamite Basin
Patton Basin
Cook Canyon Basin
Perris Hill Basin
Bledsoe Basin
City Creek Spreading Grounds
Seven Oaks Dam, COE [DSOD]
Seven Oaks Dam, COE
Plunge Creek Spreading Grounds
Mill Creek
Zanja Creek
Morrey Arroyo
Wilson Creek Basin #3
Potato Creek Spreading Grounds
13th Street Basin
Oak Glen Creek
Yucaipa Creek
Wildwood Basin #2
Ive Oak Creek
San Timoteo Sediment Basin #8
San Timoteo Sediment Basin #13
Mountain View Basin
SITE
STATE HWY 60
STATE 91
Cypress Channel
Prado Dam
H01
H02
H03
H04
H05
H06
H07
H08
H09
H10
H11
H12
H02B
H02A
A
B
C
E
F
G
J
U
W
I
II
III
IV
V
VI
VII
VIII
IX
X
XIII
Legend
Regional Board Boundary
County Boundary
DrainageCourse
<all other values>
Hydromodification
EHM
Low
Medium
High
High (Default)
Government Land
State of California Land
United States of America Land
City Boundary
Freeways
Basins and Dams
HCOC Exempt Areas
None Exempt
HCOC Exempt
A
B
C
E
F
G
H01
H02
H02A
H02B
H03
H04
H05
H06
H07
H08
H09
H10
H11
H12
I
II
III
IV
V
VI
VII
VIII
IX
J
U
W
X
XIII

Hydromodification

A.1 Hydrologic Conditions of Concern (HCOC) Analysis

HCOC Exemption:

1. **Sump Condition:** All downstream conveyance channel to an adequate sump (for example, Prado Dam, Santa Ana River, or other Lake, Reservoir or naturally erosion resistant feature) that will receive runoff from the project are engineered and regularly maintained to ensure design flow capacity; no sensitive stream habitat areas will be adversely affected; or are not identified on the Co-Permittees Hydromodification Sensitivity Maps.

2. **Pre = Post**: The runoff flow rate, volume and velocity for the post-development condition of the Priority Development Project do not exceed the pre-development (i.e, naturally occurring condition for the 2-year, 24-hour rainfall event utilizing latest San Bernardino County Hydrology Manual.

    a. Submit a substantiated hydrologic analysis to justify your request.

3. **Diversion to Storage Area**: The drainage areas that divert to water storage areas which are considered as control/release point and utilized for water conservation.

    a. See Appendix F for the HCOC Exemption Map and the on-line Watershed Geodatabase (http://sbcounty.permitrack.com/wap) for reference.

4. **Less than One Acre**: The Priority Development Project disturbs less than one acre. The Co-permittee has the discretion to require a Project Specific WQMP to address HCOCs on projects less than one acre on a case by case basis. The project disturbs less than one acre and is not part of a common plan of development.

5. **Built Out Area**: The contributing watershed area to which the project discharges has a developed area percentage greater than 90 percent.

    a. See Appendix F for the HCOC Exemption Map and the on-line Watershed Geodatabase (http://sbcounty.permitrack.com/wap) for reference.

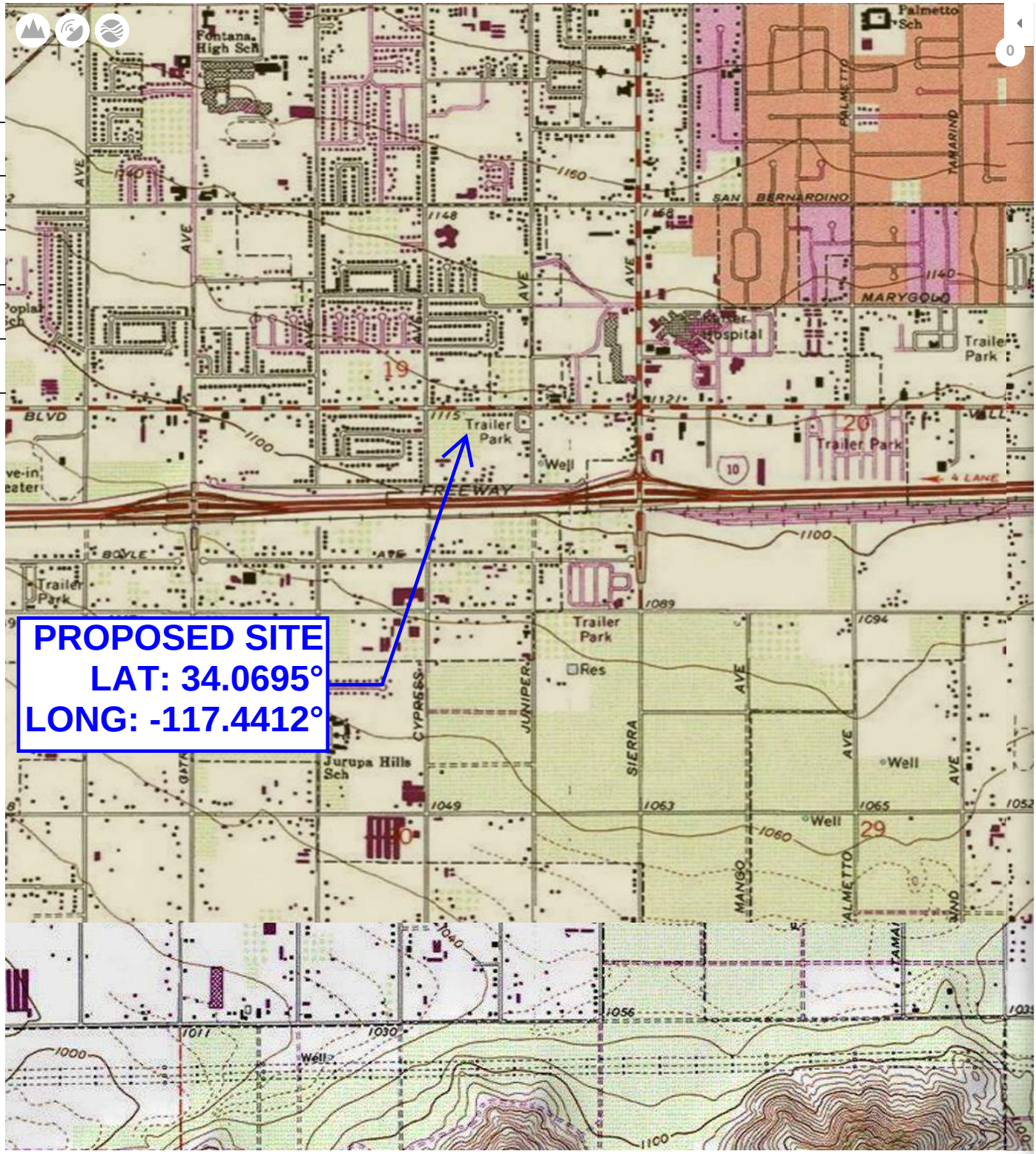
Summary of HCOC Exempted Area

	HCOC Exemption reasoning				
	1	2	3	4	5
Area					
A			X		X
B			X		
C					X
E			X		
F					X
G			X		X
H01	X		X		
H02	X		X		
H02A	X		X		
H02B			X		
H03			X		
H04	X		X		
H05	X				
H06			X		
H07	X				
H08	X		X		
H09	X				
H10	X		X		
H11	X		X		
H12	X				
J			X		
U			X		
W			X		
I			X		
II			X		
III					X
IV			X		X
V			X*		
VI					X
VII					X
VIII			X		
IX					X
X			X		
XIII			X		

*Detention/Conservation Basin

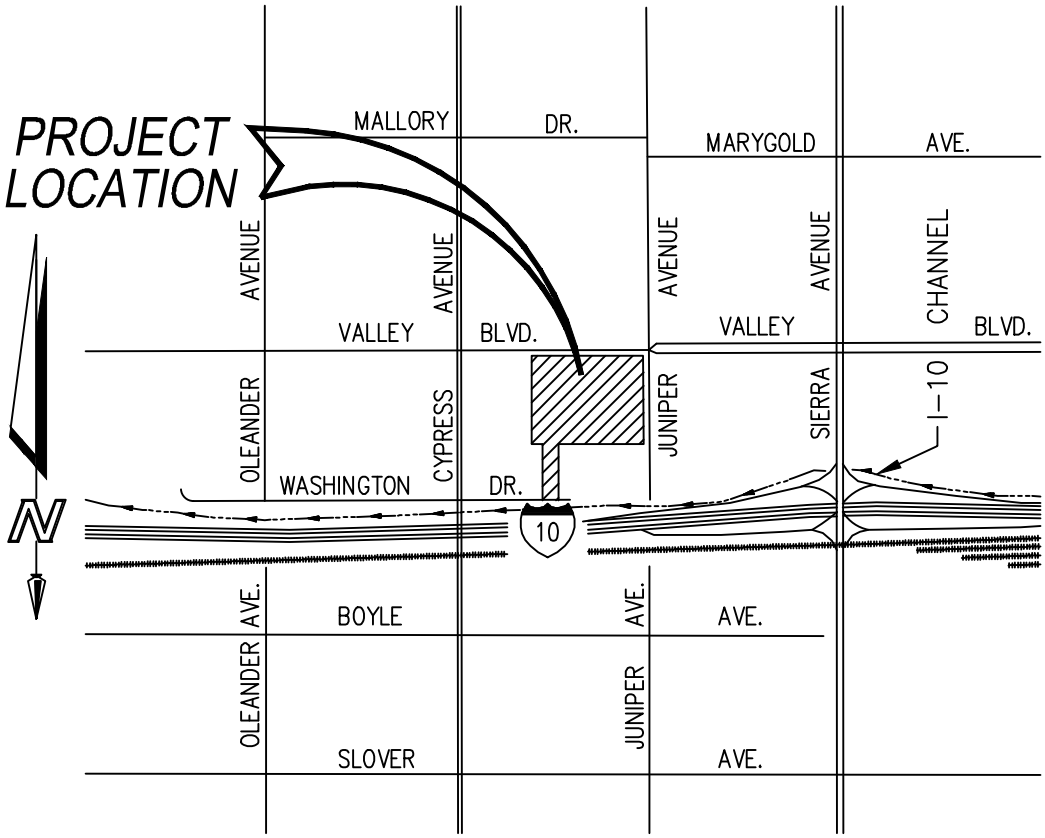
APPENDIX A

PROJECT LOCATION
VICINITY MAP



PROJECT LOCATION MAP

topoView
Lat: 34° 4' 11" N Long: 117° 26' 17" W
DMS DD MGR UTM
Scale 1:18,056
Map Records: 21



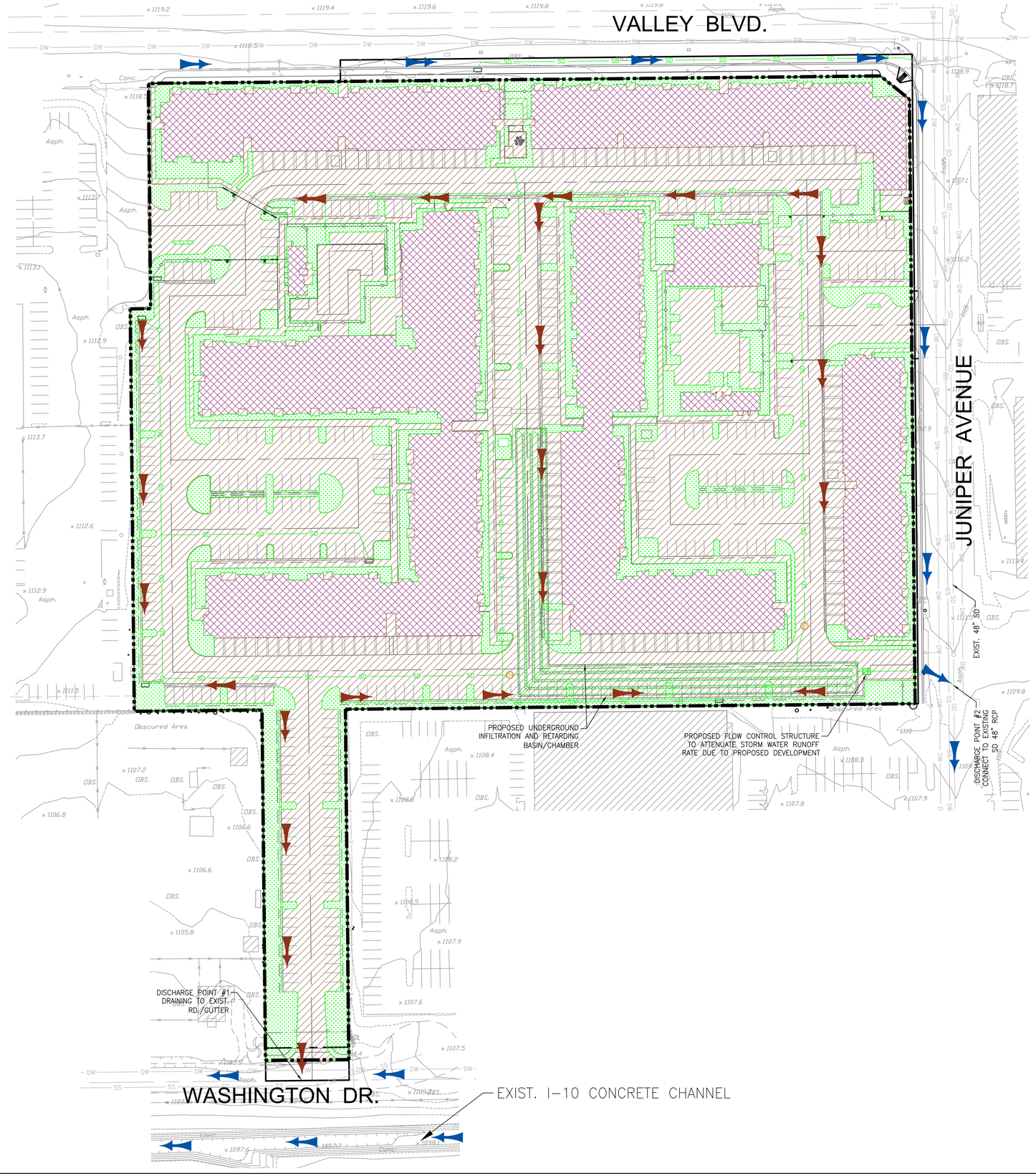
VICINITY MAP

NTS

APPENDIX B

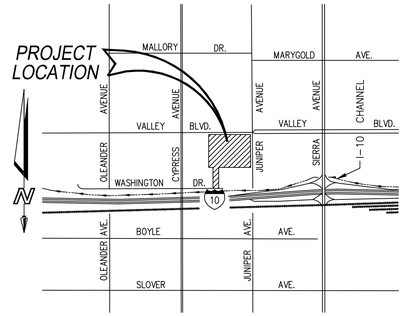
SITE PLAN, WQMP EXHIBIT
LID SIZING CALCULATION

EXHIBIT-1
SITE PLAN



LEGEND

- PROJECT BOUNDARY
- EXISTING STORM DRAIN
- PROPOSED STORM DRAIN INLET
- PROPOSED STORM DRAIN LINE
- FLOW DIRECTION (STREET)
- FLOW DIRECTION (ON-SITE)
- CONCRETE/ ASPHALT PAVEMENT
- PERVIOUS/ LANDSCAPED AREA
- ROOF TOP
- INFILTRATION CHAMBER
- PROPOSED PRE-TREATMENT BMP (CDS BY CONTECH)



VICINITY MAP
NTS

N

50' 0' 25' 50'
SCALE: 1" = 50'

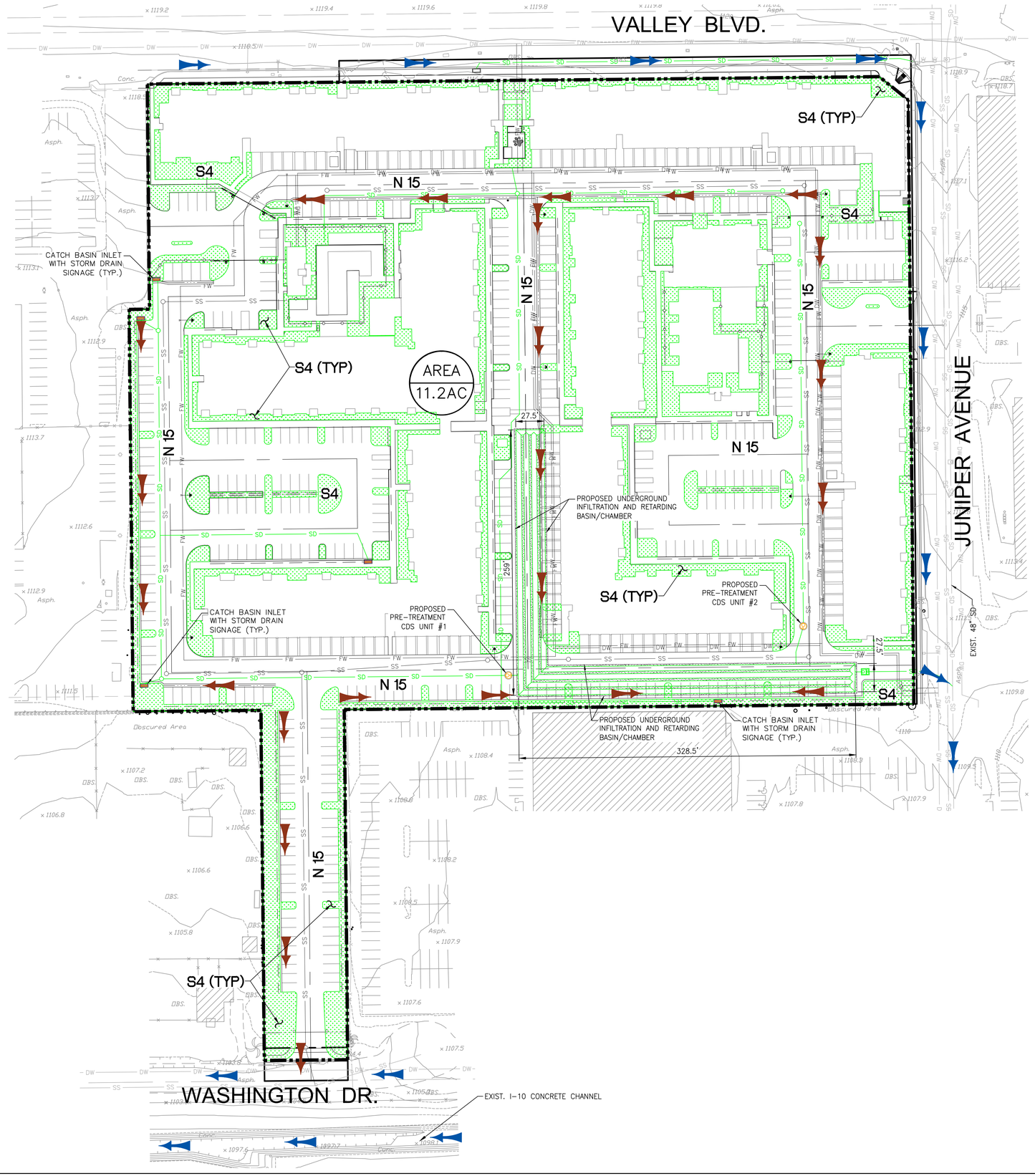
JEFFERSON FONTANA
SITE PLAN
PROPOSED DEVELOPMENT

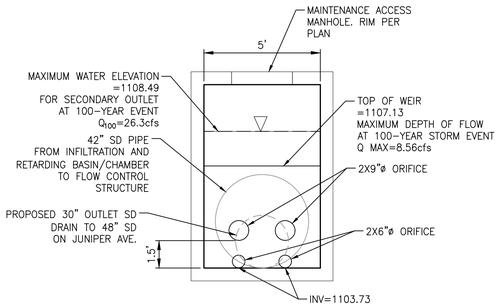
FUSCOE ENGINEERING
2850 Inland Empire Blvd., Suite B
Ontario, California 91764
tel 909.581.0676 ◦ fax 909.581.0696
www.fuscoe.com

JOB NO. 557-013
DRAWN BY: MAS
SHEET 1 of 1

F:\PROJECTS\557\013_SUPPORT FILES\REPORTS\WQMP\PRELIMINARY WQMP\EXHIBIT\557-013-WQMP SITE PLAN.DWG (10-28-22 3:48:55PM) Plotted by: mirojas

EXHIBIT-2
WQMP EXHIBIT
INFILTRATION CHAMBER



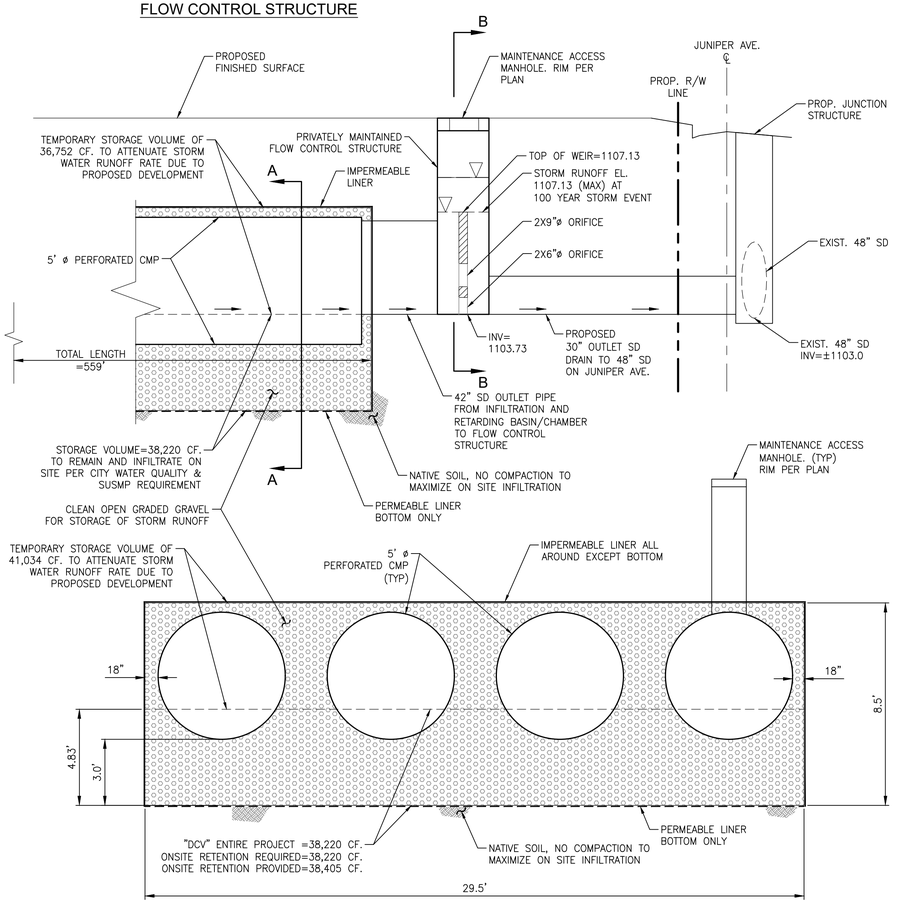


SECTION B-B

FLOW CONTROL STRUCTURE

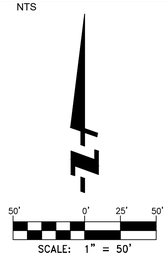
LEGEND

- PROJECT BOUNDARY
- PROPOSED STORM DRAIN INLET
- SD — PROPOSED STORM DRAIN LINE
- FLOW DIRECTION (STREET)
- FLOW DIRECTION (ON-SITE)
- LANDSCAPED AREA
- CATCH BASIN STENCILING AND COMMON AREA CATCH BASIN INSPECTION
- N 15 — STREET VACUUMING AND CLEANING
- S4 — EFFICIENT IRRIGATION
- INFILTRATION CHAMBER
- PROPOSED PRE-TREATMENT BMP (CDS BY CONTECH)



SECTION A-A

PRELIMINARY DETAIL
INFILTRATION AND RETARDING BASIN/CHAMBER
AND FLOW CONTROL STRUCTURE (PRIVATE)
NTS



JEFFERSON FONTANA
WQMP EXHIBIT
PROPOSED DEVELOPMENT

FUSCOE ENGINEERING
2850 Inland Empire Blvd., Suite B
Ontario, California 91764
tel 909.581.0676 ◦ fax 909.581.0696
www.fuscoe.com

JOB NO. 557-013
DRAWN BY: MAS
SHEET 1 of 1

F:\PROJECTS\557\013_SUPPORT FILES\REPORTS\WQMP\PRELIMINARY WQMP\EXHIBIT\557-013-WQMP SITE PLANLING (10-28-22 3:50:08PM) Plotted by mslojek

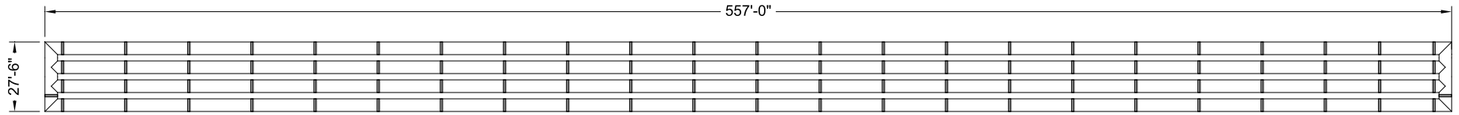
PROJECT SUMMARY

CALCULATION DETAILS
- LOADING = HS20/HS25
- APPROX. LINEAR FOOTAGE = 2,243 LF

STORAGE SUMMARY
- STORAGE VOLUME REQUIRED = N/A
- PIPE STORAGE VOLUME = 44,041 CF
- BACKFILL STORAGE VOLUME = 35,399 CF
- TOTAL STORAGE PROVIDED = 79,440 CF

PIPE DETAILS
- DIAMETER = 60"
- CORRUGATION = 5x1
- GAGE = 16
- COATING = ALT2
- WALL TYPE = PERFORATED
- BARREL SPACING = 30"

BACKFILL DETAILS
- WIDTH AT ENDS = 18"
- ABOVE PIPE = 6"
- WIDTH AT SIDES = 18"
- BELOW PIPE = 36"



NOTES

- ALL RISER AND STUB DIMENSIONS ARE TO CENTERLINE. ALL ELEVATIONS, DIMENSIONS, AND LOCATIONS OF RISERS AND INLETS, SHALL BE VERIFIED BY THE ENGINEER OF RECORD PRIOR TO RELEASING FOR FABRICATION.
- ALL FITTINGS AND REINFORCEMENT COMPLY WITH ASTM A998.
- ALL RISERS AND STUBS ARE $2\frac{2}{3}$" x $\frac{1}{2}$" CORRUGATION AND 16 GAGE UNLESS OTHERWISE NOTED.
- RISERS TO BE FIELD TRIMMED TO GRADE.
- QUANTITY OF PIPE SHOWN DOES NOT PROVIDE EXTRA PIPE FOR CONNECTING THE SYSTEM TO EXISTING PIPE OR DRAINAGE STRUCTURES. OUR SYSTEM AS DETAILED PROVIDES NOMINAL INLET AND/OR OUTLET PIPE STUB FOR CONNECTION TO EXISTING DRAINAGE FACILITIES. IF ADDITIONAL PIPE IS NEEDED IT IS THE RESPONSIBILITY OF THE CONTRACTOR.
- BAND TYPE TO BE DETERMINED UPON FINAL DESIGN.
- THE PROJECT SUMMARY IS REFLECTIVE OF THE DYODS DESIGN, QUANTITIES ARE APPROX. AND SHOULD BE VERIFIED UPON FINAL DESIGN AND APPROVAL. FOR EXAMPLE, TOTAL EXCAVATION DOES NOT CONSIDER ALL VARIABLES SUCH AS SHORING AND ONLY ACCOUNTS FOR MATERIAL WITHIN THE ESTIMATED EXCAVATION FOOTPRINT.
- THESE DRAWINGS ARE FOR CONCEPTUAL PURPOSES AND DO NOT REFLECT ANY LOCAL PREFERENCES OR REGULATIONS. PLEASE CONTACT YOUR LOCAL CONTECH REP FOR MODIFICATIONS.

ASSEMBLY
SCALE: 1" = 60'

The design and information shown on this drawing is provided as a service to the project owner, engineer and contractor by Contech Engineered Solutions LLC ("Contech"). Neither this drawing, nor any part thereof, may be used, reproduced or modified in any manner without the prior written consent of Contech. Failure to comply is done at the user's own risk and Contech expressly disclaims any liability or responsibility for such use.

If discrepancies between the supplied information upon which the drawing is based and actual field conditions are encountered as site work progresses, these discrepancies must be reported to Contech immediately for re-evaluation of the design. Contech accepts no liability for designs based on missing, incomplete or inaccurate information supplied by others.

DATE	REVISION DESCRIPTION	BY

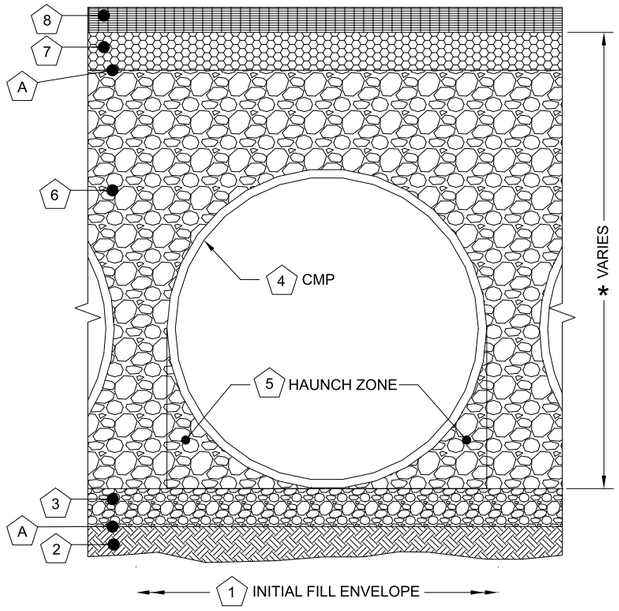
CONTECH® ENGINEERED SOLUTIONS LLC
www.ContechES.com
9025 Centre Pointe Dr., Suite 400, West Chester, OH 45069
800-338-1122 513-645-7000 513-645-7993 FAX

CONTECH® CMP DETENTION SYSTEMS
CONTECH **DYODS** DRAWING

DYO22687 Jefferson Fontana
Multiple Use Underground Chamber CMP
Fontana, CA
DETENTION SYSTEM

PROJECT No.:	SEQ. No.:	DATE:
14920	22687	10/26/2022
DESIGNED: DYO	DRAWN: DYO	
CHECKED: DYO	APPROVED: DYO	
SHEET NO.: 1		

C:\EXPORTS\TEMPLATES\CMP_V8.DWG 10/18/2019 10:02 AM



	Infiltration Systems - CMP Infiltration & CMP Perforated Drainage Pipe			
	Material Location	Description	Material Designation	Designation
8	Rigid or Flexible Pavement (if applicable)			
7	Road Base (if applicable			
A	Geotextile Layer	Non-Woven Geotextile	CONTECH C-40 or C-45	Engineer Decision for consideration to prevent soil migration into varying soil types. Wrap the trench only.
6	Backfill	Infiltration pipe systems have a pipe perforation sized of 3/8" diameter. An open graded, free draining stone, with a particle size of ½" – 2 ½" diameter is recommended.	AASHTO M 145-A-1 or AASHTO M 43 - 3, 4	Material shall be worked into the pipe haunches by means of shovel-slicing, rodding, air-tamper, vibratory rod, or other effective methods. Compaction of all placed fill material is necessary and shall be considered adequate when no further yielding of the material is observed under the compactor, or under foot, and the Project Engineer or his representative is satisfied with the level of compaction"
3	Bedding Stone	Well graded granular bedding material w/maximum particle size of 3"	AASHTO M43 - 3,357,4,467, 5, 56, 57	For soil aggregates larger than 3/8" a dedicated bedding layer is not required for CMP. Pipe may be placed on the trench bottom comprised of native suitable well graded & granular material. For Arch pipes it is recommended to be shaped to a relatively flat bottom or fine-grade the foundation to a slight v-shape. Soil aggregates less than 3/8" and unsuitable material should be over-excavated and re-placed with a 4"-6" layer of well graded & granular stone per the material designation.
A	Geotextile Layer	None	None	Contech does not recommend geotextiles be placed under the invert of Infiltration systems due to the propensity for geotextiles to clog over time.
*	Note: The listed AASHTO designations are for gradation only. The stone must also be angular and clean.			

1 MINIMUM WIDTH DEPENDS ON SITE CONDITIONS AND ENGINEERING JUDGEMENT.

FOUNDATION/BEDDING PREPARATION

2 PRIOR TO PLACING THE BEDDING, THE FOUNDATION MUST BE CONSTRUCTED TO A UNIFORM AND STABLE GRADE. IN THE EVENT THAT UNSUITABLE FOUNDATION MATERIALS ARE ENCOUNTERED DURING EXCAVATION, THEY SHALL BE REMOVED AND BROUGHT BACK TO THE GRADE WITH A FILL MATERIAL AS APPROVED BY THE ENGINEER.

5 HAUNCH ZONE MATERIAL SHALL BE PLACED AND UNIFORMLY COMPACTED WITHOUT SOFT SPOTS.

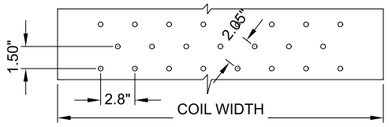
BACKFILL

MATERIAL SHALL BE PLACED IN 8"-10" MAXIMUM LIFTS. INADEQUATE COMPACTION CAN LEAD TO EXCESSIVE DEFLECTIONS WITHIN THE SYSTEM AND SETTLEMENT OF THE SOILS OVER THE SYSTEM. BACKFILL SHALL BE PLACED SUCH THAT THERE IS NO MORE THAN A TWO-LIFT DIFFERENTIAL BETWEEN THE SIDES OF ANY PIPE IN THE SYSTEM AT ALL TIMES DURING THE BACKFILL PROCESS. BACKFILL SHALL BE ADVANCED ALONG THE LENGTH OF THE SYSTEM AT THE SAME RATE TO AVOID DIFFERENTIAL LOADING ON ANY PIPES IN THE SYSTEM.

EQUIPMENT USED TO PLACE AND COMPACT THE BACKFILL SHALL BE OF A SIZE AND TYPE SO AS NOT TO DISTORT, DAMAGE, OR DISPLACE THE PIPE. ATTENTION MUST BE GIVEN TO PROVIDING ADEQUATE MINIMUM COVER FOR SUCH EQUIPMENT. MAINTAIN BALANCED LOADING ON ALL PIPES IN THE SYSTEM DURING ALL SUCH OPERATIONS.

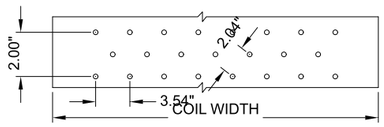
OTHER ALTERNATE BACKFILL MATERIAL MAY BE ALLOWED DEPENDING ON SITE SPECIFIC CONDITIONS. REFER TO TYPICAL BACKFILL DETAIL FOR MATERIAL REQUIRED.

2 2/3" x 1/2" CORRUGATION - STEEL AND ALUMINUM CMP EDGE SPACING EQUAL ON BOTH SIDES



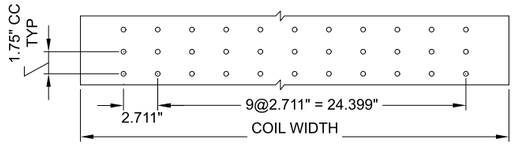
OPEN AREA = 3.76 SQ IN/SQ FT

3" x 1" CORRUGATION - STEEL AND ALUMINUM CMP (COIL PROVIDED FROM CONTECH LANTANA, FL PLANT)



OPEN AREA = 4.16 SQ IN/SQ FT

5" x 1" CORRUGATION - STEEL ONLY
EDGE SPACING EQUAL ON BOTH SIDES



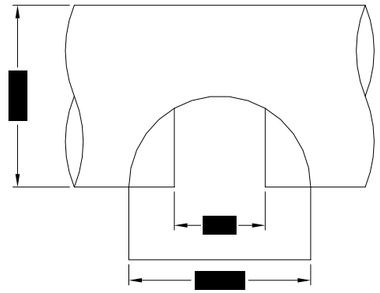
OPEN AREA = 3.33 SQ IN/SQ FT

NOTES:

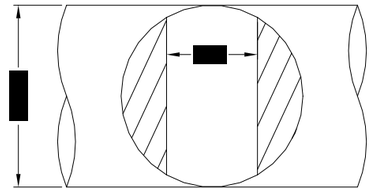
1. PERFORATIONS MEET AASHTO AND ASTM SPECIFICATIONS.
2. PERFORATION OPEN AREA PER SQUARE FOOT OF PIPE IS BASED ON THE NOMINAL DIAMETER AND LENGTH OF PIPE.
3. ALL DIMENSIONS ARE SUBJECT TO MANUFACTURING TOLERANCES.
4. ALL HOLES ⌀3/8".

TYPICAL PERFORATION DETAIL

SCALE: N.T.S.



PLAN

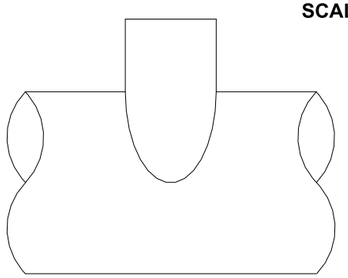


FRONT

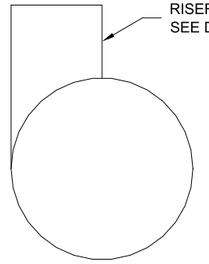
TYPICAL MANWAY DETAIL

SCALE: N.T.S.

NOTE:
MANWAY DETAIL APPLICABLE FOR CMP SYSTEMS WITH DIAMETERS 48" AND LARGER. MANWAYS MAY BE REQUIRED ON SMALLER SYSTEMS DEPENDING ON ACTUAL SITE SPECIFIC CONDITIONS.



ELEVATION

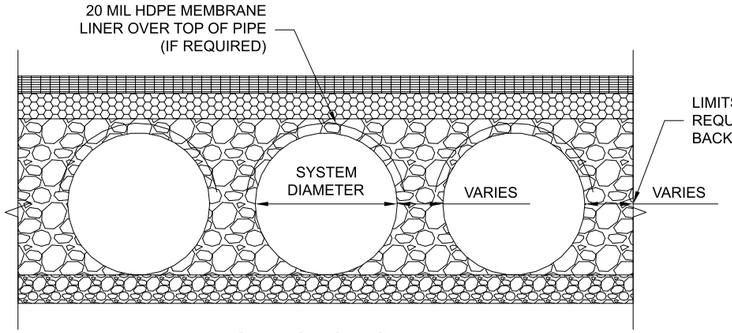


END

TYPICAL RISER DETAIL

SCALE: N.T.S.

NOTE:
LADDERS ARE OPTIONAL AND ARE NOT REQUIRED FOR ALL SYSTEMS.



TYPICAL SECTION VIEW

LINER OVER ROWS
SCALE: N.T.S.

NOTE: IF SALTING AGENTS FOR SNOW AND ICE REMOVAL ARE USED ON OR NEAR THE PROJECT, AN HDPE MEMBRANE LINER IS RECOMMENDED WITH THE SYSTEM. THE IMPERMEABLE LINER IS INTENDED TO HELP PROTECT THE SYSTEM FROM THE POTENTIAL ADVERSE EFFECTS THAT MAY RESULT FROM A CHANGE IN THE SURROUNDING ENVIRONMENT OVER A PERIOD OF TIME. PLEASE REFER TO THE CORRUGATED METAL PIPE DETENTION DESIGN GUIDE FOR ADDITIONAL INFORMATION.

The design and information shown on this drawing is provided as a service to the project owner, engineer and contractor by Contech Engineered Solutions LLC ("Contech"). Neither this drawing, nor any part thereof, may be used, reproduced or modified in any manner without the prior written consent of Contech. Failure to comply is done at the user's own risk and Contech expressly disclaims any liability or responsibility for such use.

If discrepancies between the supplied information upon which the drawing is based and actual field conditions are encountered as site work progresses, these discrepancies must be reported to Contech immediately for re-evaluation of the design. Contech accepts no liability for designs based on missing, incomplete or inaccurate information supplied by others.

DATE	REVISION DESCRIPTION	BY

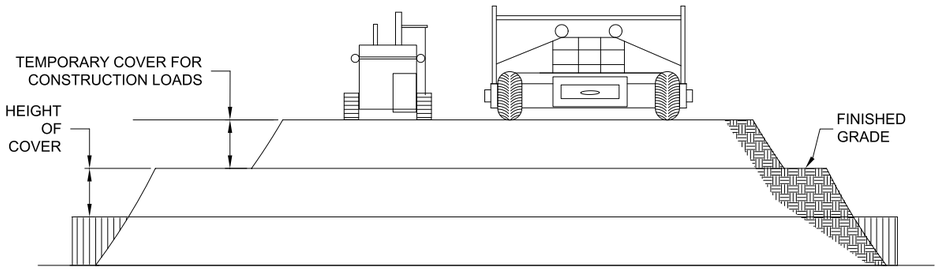
CONTECH ENGINEERED SOLUTIONS LLC
www.ContechES.com
9025 Centre Pointe Dr., Suite 400, West Chester, OH 45069
800-338-1122 513-645-7000 513-645-7993 FAX

CONTECH CMP DETENTION SYSTEMS
CONTECH DYODS DRAWING

DYO22687 Jefferson Fontana
Multiple Use Underground Chamber CMP
Fontana, CA
DETENTION SYSTEM

PROJECT No.:	SEQ. No.:	DATE:
14920	22687	10/26/2022
DESIGNED: DYO	DRAWN: DYO	
CHECKED: DYO	APPROVED: DYO	
SHEET NO.: 1		

C:\EXPORTS\TEMPLATES\CMP_V8.DWG 10/18/2019 10:02 AM



CONSTRUCTION LOADS

FOR TEMPORARY CONSTRUCTION VEHICLE LOADS, AN EXTRA AMOUNT OF COMPACTED COVER MAY BE REQUIRED OVER THE TOP OF THE PIPE. THE HEIGHT-OF-COVER SHALL MEET THE MINIMUM REQUIREMENTS SHOWN IN THE TABLE BELOW. THE USE OF HEAVY CONSTRUCTION EQUIPMENT NECESSITATES GREATER PROTECTION FOR THE PIPE THAN FINISHED GRADE COVER MINIMUMS FOR NORMAL HIGHWAY TRAFFIC.

PIPE SPAN, INCHES	AXLE LOADS (kips)			
	18-50	50-75	75-110	110-150
	MINIMUM COVER (FT)			
12-42	2.0	2.5	3.0	3.0
48-72	3.0	3.0	3.5	4.0
78-120	3.0	3.5	4.0	4.0
126-144	3.5	4.0	4.5	4.5

*MINIMUM COVER MAY VARY, DEPENDING ON LOCAL CONDITIONS. THE CONTRACTOR MUST PROVIDE THE ADDITIONAL COVER REQUIRED TO AVOID DAMAGE TO THE PIPE. MINIMUM COVER IS MEASURED FROM THE TOP OF THE PIPE TO THE TOP OF THE MAINTAINED CONSTRUCTION ROADWAY SURFACE.

CONSTRUCTION LOADING DIAGRAM

SCALE: N.T.S.

SPECIFICATION FOR DESIGNED DETENTION SYSTEM:

SCOPE
THIS SPECIFICATION COVERS THE MANUFACTURE AND INSTALLATION OF THE DESIGNED DETENTION SYSTEM DETAILED IN THE PROJECT PLANS.

MATERIAL
THE MATERIAL SHALL CONFORM TO THE APPLICABLE REQUIREMENTS LISTED BELOW:

ALUMINIZED TYPE 2 STEEL COILS SHALL CONFORM TO THE REQUIREMENTS OF AASHTO M-274 OR ASTM A-92.

THE GALVANIZED STEEL COILS SHALL CONFORM TO THE REQUIREMENTS OF AASHTO M-218 OR ASTM A-929.

THE POLYMER COATED STEEL COILS SHALL CONFORM TO THE REQUIREMENTS OF AASHTO M-246 OR ASTM A-742.

THE ALUMINUM COILS SHALL CONFORM TO THE APPLICABLE OF AASHTO M-197 OR ASTM B-744.

CONSTRUCTION LOADS
CONSTRUCTION LOADS MAY BE HIGHER THAN FINAL LOADS. FOLLOW THE MANUFACTURER'S OR NCSPA GUIDELINES.

PIPE
THE PIPE SHALL BE MANUFACTURED IN ACCORDANCE TO THE APPLICABLE REQUIREMENTS LISTED BELOW:

ALUMINIZED TYPE 2: AASHTO M-36 OR ASTM A-760

GALVANIZED: AASHTO M-36 OR ASTM A-760

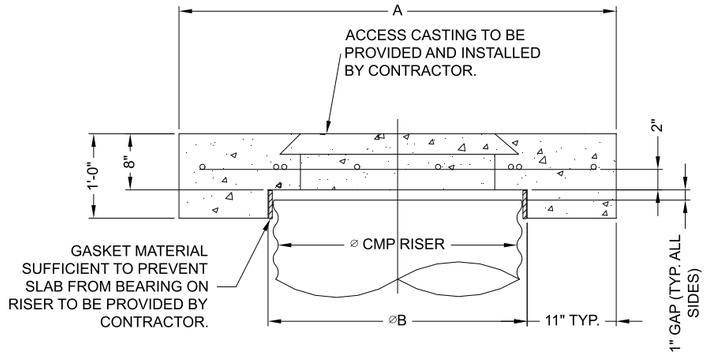
APPLICABLE POLYMER COATED: AASHTO M-245 OR ASTM A-762

ALUMINUM: AASHTO M-196 OR ASTM B-745

APPLICABLE
HANDLING AND ASSEMBLY
SHALL BE IN ACCORDANCE WITH NCSP'S (NATIONAL CORRUGATED STEEL PIPE ASSOCIATION) FOR ALUMINIZED TYPE 2, GALVANIZED OR POLYMER COATED STEEL. SHALL BE IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS FOR ALUMINUM PIPE.
REQUIREMENTS
INSTALLATION
SHALL BE IN ACCORDANCE WITH AASHTO STANDARD SPECIFICATIONS FOR HIGHWAY BRIDGES, SECTION 26, DIVISION II DIVISION II OR ASTM A-798 (FOR ALUMINIZED TYPE 2, GALVANIZED OR POLYMER COATED STEEL) OR ASTM B-788 (FOR ALUMINUM PIPE) AND IN CONFORMANCE WITH THE PROJECT PLANS AND SPECIFICATIONS. IF THERE ARE ANY INCONSISTENCIES OR CONFLICTS THE CONTRACTOR SHOULD DISCUSS AND RESOLVE WITH THE SITE ENGINEER.

IT IS ALWAYS THE RESPONSIBILITY OF THE CONTRACTOR TO FOLLOW OSHA GUIDELINES FOR SAFE PRACTICES.

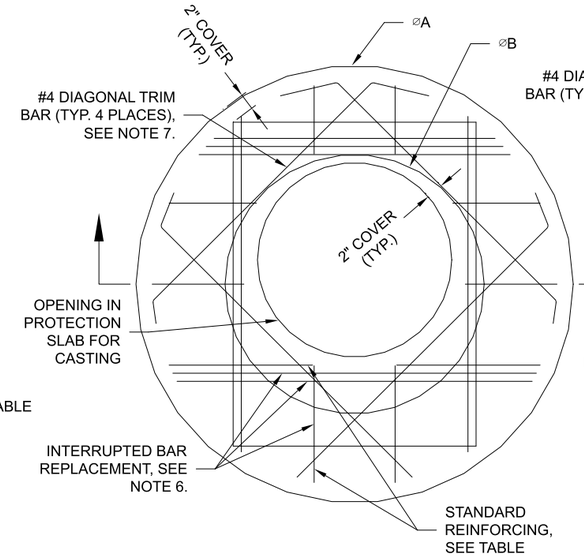
NOTE:
THESE DRAWINGS ARE FOR CONCEPTUAL PURPOSES AND DO NOT REFLECT ANY LOCAL PREFERENCES OR REGULATIONS. PLEASE CONTACT YOUR LOCAL CONTECH REP FOR MODIFICATIONS.



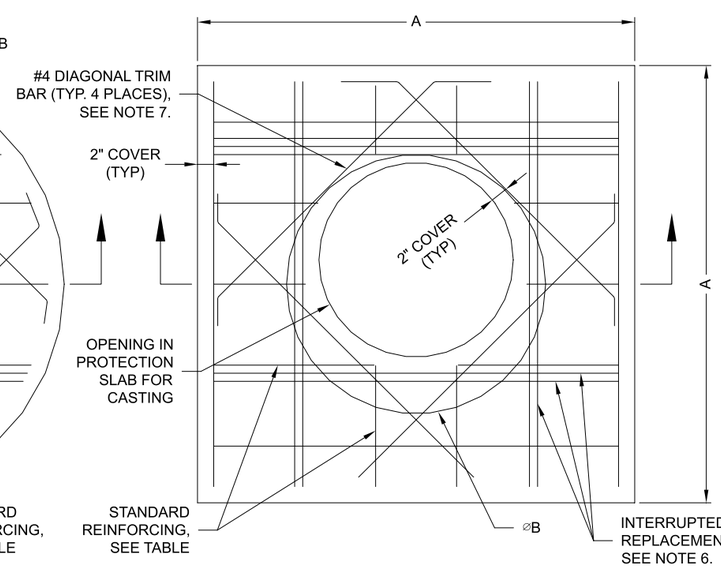
SECTION VIEW

REINFORCING TABLE				
⌀ CMP RISER	A	⌀ B	REINFORCING	**BEARING PRESSURE (PSF)
24"	⌀ 4' 4'X4'	26"	#5 @ 12" OCEW #5 @ 12" OCEW	2,410 1,780
30"	⌀ 4'-6" 4'-6" X 4'-6"	32"	#5 @ 12" OCEW #5 @ 12" OCEW	2,120 1,530
36"	⌀ 5' 5' X 5'	38"	#5 @ 10" OCEW #5 @ 10" OCEW	1,890 1,350
42"	⌀ 5'-6" 5'-6" X 5'-6"	44"	#5 @ 10" OCEW #5 @ 9" OCEW	1,720 1,210
48"	⌀ 6' 6' X 6'	50"	#5 @ 9" OCEW #5 @ 8" OCEW	1,600 1,100

** ASSUMED SOIL BEARING CAPACITY



ROUND OPTION PLAN VIEW



SQUARE OPTION PLAN VIEW

NOTES:

1. DESIGN IN ACCORDANCE WITH AASHTO, 17th EDITION.
2. DESIGN LOAD HS25.
3. EARTH COVER = 1' MAX.
4. CONCRETE STRENGTH = 3,500 psi
5. REINFORCING STEEL = ASTM A615, GRADE 60.
6. PROVIDE ADDITIONAL REINFORCING AROUND OPENINGS EQUAL TO THE BARS INTERRUPTED, HALF EACH SIDE. ADDITIONAL BARS TO BE IN THE SAME PLANE.
7. TRIM OPENING WITH DIAGONAL #4 BARS, EXTEND BARS A MINIMUM OF 12" BEYOND OPENING, BEND BARS AS REQUIRED TO MAINTAIN BAR COVER.
8. PROTECTION SLAB AND ALL MATERIALS TO BE PROVIDED AND INSTALLED BY CONTRACTOR.
9. DETAIL DESIGN BY DELTA ENGINEERING, BINGHAMTON, NY.

MANHOLE CAP DETAIL

SCALE: N.T.S.

The design and information shown on this drawing is provided as a service to the project owner, engineer and contractor by Contech Engineered Solutions LLC ("Contech"). Neither this drawing, nor any part thereof, may be used, reproduced or modified in any manner without the prior written consent of Contech. Failure to comply is done at the user's own risk and Contech expressly disclaims any liability or responsibility for such use.

If discrepancies between the supplied information upon which the drawing is based and actual field conditions are encountered as site work progresses, these discrepancies must be reported to Contech immediately for re-evaluation of the design. Contech accepts no liability for designs based on missing, incomplete or inaccurate information supplied by others.

DATE	REVISION DESCRIPTION	BY

CONTECH ENGINEERED SOLUTIONS LLC
www.ContechES.com
9025 Centre Pointe Dr., Suite 400, West Chester, OH 45069
800-338-1122 513-645-7000 513-645-7993 FAX

CONTECH CMP DETENTION SYSTEMS
CONTECH DYODS DRAWING

DYO22687 Jefferson Fontana
Multiple Use Underground Chamber CMP
Fontana, CA
DETENTION SYSTEM

PROJECT No.:	SEQ. No.:	DATE:
14920	22687	10/26/2022
DESIGNED: DYO	DRAWN: DYO	
CHECKED: DYO	APPROVED: DYO	
SHEET NO.: 1		

C:\EXPORTS\TEMPLATES\CMP_V8.DWG 10/18/2019 10:02 AM

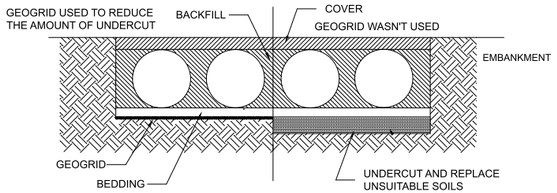
CMP DETENTION INSTALLATION GUIDE

PROPER INSTALLATION OF A FLEXIBLE UNDERGROUND DETENTION SYSTEM WILL ENSURE LONG-TERM PERFORMANCE. THE CONFIGURATION OF THESE SYSTEMS OFTEN REQUIRES SPECIAL CONSTRUCTION PRACTICES THAT DIFFER FROM CONVENTIONAL FLEXIBLE PIPE CONSTRUCTION. CONTECH ENGINEERED SOLUTIONS STRONGLY SUGGESTS SCHEDULING A PRE-CONSTRUCTION MEETING WITH YOUR LOCAL SALES ENGINEER TO DETERMINE IF ADDITIONAL MEASURES, NOT COVERED IN THIS GUIDE, ARE APPROPRIATE FOR YOUR SITE.

FOUNDATION

CONSTRUCT A FOUNDATION THAT CAN SUPPORT THE DESIGN LOADING APPLIED BY THE PIPE AND ADJACENT BACKFILL WEIGHT AS WELL AS MAINTAIN ITS INTEGRITY DURING CONSTRUCTION.

IF SOFT OR UNSUITABLE SOILS ARE ENCOUNTERED, REMOVE THE POOR SOILS DOWN TO A SUITABLE DEPTH AND THEN BUILD UP TO THE APPROPRIATE ELEVATION WITH A COMPETENT BACKFILL MATERIAL. THE STRUCTURAL FILL MATERIAL GRADATION SHOULD NOT ALLOW THE MIGRATION OF FINES, WHICH CAN CAUSE SETTLEMENT OF THE DETENTION SYSTEM OR PAVEMENT ABOVE. IF THE STRUCTURAL FILL MATERIAL IS NOT COMPATIBLE WITH THE UNDERLYING SOILS AN ENGINEERING FABRIC SHOULD BE USED AS A SEPARATOR. IN SOME CASES, USING A STIFF REINFORCING GEOGRID REDUCES OVER EXCAVATION AND REPLACEMENT FILL QUANTITIES.

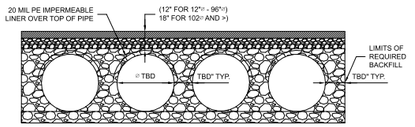


GRADE THE FOUNDATION SUBGRADE TO A UNIFORM OR SLIGHTLY SLOPING GRADE. IF THE SUBGRADE IS CLAY OR RELATIVELY NON-POROUS AND THE CONSTRUCTION SEQUENCE WILL LAST FOR AN EXTENDED PERIOD OF TIME, IT IS BEST TO SLOPE THE GRADE TO ONE END OF THE SYSTEM. THIS WILL ALLOW EXCESS WATER TO DRAIN QUICKLY, PREVENTING SATURATION OF THE SUBGRADE.

GEOMEMBRANE BARRIER

A SITE'S RESISTIVITY MAY CHANGE OVER TIME WHEN VARIOUS TYPES OF SALTING AGENTS ARE USED, SUCH AS ROAD SALTS FOR DEICING AGENTS. IF SALTING AGENTS ARE USED ON OR NEAR THE PROJECT SITE, A GEOMEMBRANE BARRIER IS RECOMMENDED WITH THE SYSTEM. THE GEOMEMBRANE LINER IS INTENDED TO HELP PROTECT THE SYSTEM FROM THE POTENTIAL ADVERSE EFFECTS THAT MAY RESULT FROM THE USE OF SUCH AGENTS INCLUDING PREMATURE CORROSION AND REDUCED ACTUAL SERVICE LIFE.

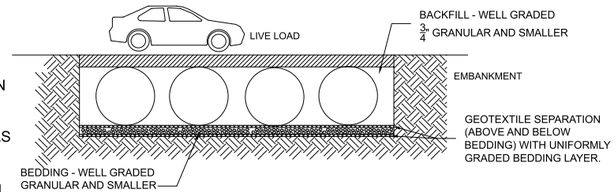
THE PROJECT'S ENGINEER OF RECORD IS TO EVALUATE WHETHER SALTING AGENTS WILL BE USED ON OR NEAR THE PROJECT SITE, AND USE HIS/HER BEST JUDGEMENT TO DETERMINE IF ANY ADDITIONAL PROTECTIVE MEASURES ARE REQUIRED. BELOW IS A TYPICAL DETAIL SHOWING THE PLACEMENT OF A GEOMEMBRANE BARRIER FOR PROJECTS WHERE SALTING AGENTS ARE USED ON OR NEAR THE PROJECT SITE.



IN-SITU TRENCH WALL

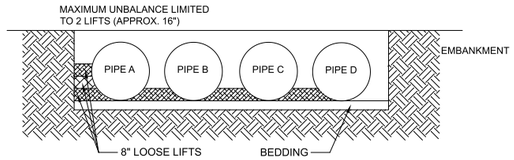
IF EXCAVATION IS REQUIRED, THE TRENCH WALL NEEDS TO BE CAPABLE OF SUPPORTING THE LOAD THAT THE PIPE SHEDS AS THE SYSTEM IS LOADED. IF SOILS ARE NOT CAPABLE OF SUPPORTING THESE LOADS, THE PIPE CAN DEFLECT. PERFORM A SIMPLE SOIL PRESSURE CHECK USING THE APPLIED LOADS TO DETERMINE THE LIMITS OF EXCAVATION BEYOND THE SPRING LINE OF THE OUTER MOST PIPES.

IN MOST CASES THE REQUIREMENTS FOR A SAFE WORK ENVIRONMENT AND PROPER BACKFILL PLACEMENT AND COMPACTION TAKE CARE OF THIS CONCERN.



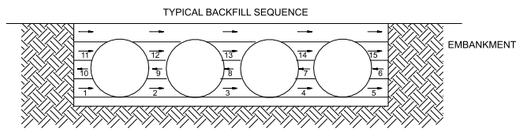
BACKFILL PLACEMENT

MATERIAL SHALL BE WORKED INTO THE PIPE HAUNCHES BY MEANS OF SHOVEL-SLICING, RODDING, AIR TAMPER, VIBRATORY ROD, OR OTHER EFFECTIVE METHODS.

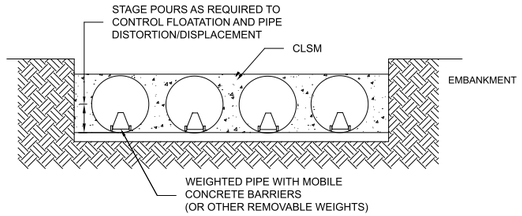


IF AASHTO T99 PROCEDURES ARE DETERMINED INFEASIBLE BY THE GEOTECHNICAL ENGINEER OF RECORD, COMPACTION IS CONSIDERED ADEQUATE WHEN NO FURTHER YIELDING OF THE MATERIAL IS OBSERVED UNDER THE COMPACTOR, OR UNDER FOOT, AND THE GEOTECHNICAL ENGINEER OF RECORD (OR REPRESENTATIVE THEREOF) IS SATISFIED WITH THE LEVEL OF COMPACTION.

FOR LARGE SYSTEMS, CONVEYOR SYSTEMS, BACKHOES WITH LONG REACHES OR DRAGLINES WITH STONE BUCKETS MAY BE USED TO PLACE BACKFILL. ONCE MINIMUM COVER FOR CONSTRUCTION LOADING ACROSS THE ENTIRE WIDTH OF THE SYSTEM IS REACHED, ADVANCE THE EQUIPMENT TO THE END OF THE RECENTLY PLACED FILL, AND BEGIN THE SEQUENCE AGAIN UNTIL THE SYSTEM IS COMPLETELY BACKFILLED. THIS TYPE OF CONSTRUCTION SEQUENCE PROVIDES ROOM FOR STOCKPILED BACKFILL DIRECTLY BEHIND THE BACKHOE, AS WELL AS THE MOVEMENT OF CONSTRUCTION TRAFFIC. MATERIAL STOCKPILES ON TOP OF THE BACKFILLED DETENTION SYSTEM SHOULD BE LIMITED TO 8- TO 10-FEET HIGH AND MUST PROVIDE BALANCED LOADING ACROSS ALL BARRELS. TO DETERMINE THE PROPER COVER OVER THE PIPES TO ALLOW THE MOVEMENT OF CONSTRUCTION EQUIPMENT SEE TABLE 1, OR CONTACT YOUR LOCAL CONTECH SALES ENGINEER.



WHEN FLOWABLE FILL IS USED, YOU MUST PREVENT PIPE FLOATATION. TYPICALLY, SMALL LIFTS ARE PLACED BETWEEN THE PIPES AND THEN ALLOWED TO SET-UP PRIOR TO THE PLACEMENT OF THE NEXT LIFT. THE ALLOWABLE THICKNESS OF THE CLSM LIFT IS A FUNCTION OF A PROPER BALANCE BETWEEN THE UPLIFT FORCE OF THE CLSM, THE OPPOSING WEIGHT OF THE PIPE, AND THE EFFECT OF OTHER RESTRAINING MEASURES. THE PIPE CAN CARRY LIMITED FLUID PRESSURE WITHOUT PIPE DISTORTION OR DISPLACEMENT, WHICH ALSO AFFECTS THE CLSM LIFT THICKNESS. YOUR LOCAL CONTECH SALES ENGINEER CAN HELP DETERMINE THE PROPER LIFT THICKNESS.

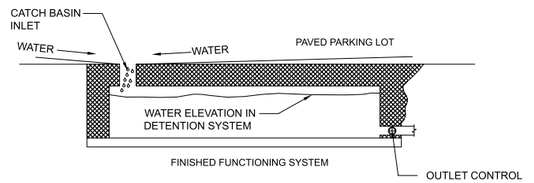


CONSTRUCTION LOADING

TYPICALLY, THE MINIMUM COVER SPECIFIED FOR A PROJECT ASSUMES H-20 LIVE LOAD. BECAUSE CONSTRUCTION LOADS OFTEN EXCEED DESIGN LIVE LOADS, INCREASED TEMPORARY MINIMUM COVER REQUIREMENTS ARE NECESSARY. SINCE CONSTRUCTION EQUIPMENT VARIES FROM JOB TO JOB, IT IS BEST TO ADDRESS EQUIPMENT SPECIFIC MINIMUM COVER REQUIREMENTS WITH YOUR LOCAL CONTECH SALES ENGINEER DURING YOUR PRE-CONSTRUCTION MEETING.

ADDITIONAL CONSIDERATIONS

BECAUSE MOST SYSTEMS ARE CONSTRUCTED BELOW-GRADE, RAINFALL CAN RAPIDLY FILL THE EXCAVATION; POTENTIALLY CAUSING FLOATATION AND MOVEMENT OF THE PREVIOUSLY PLACED PIPES. TO HELP MITIGATE POTENTIAL PROBLEMS, IT IS BEST TO START THE INSTALLATION AT THE DOWNSTREAM END WITH THE OUTLET ALREADY CONSTRUCTED TO ALLOW A ROUTE FOR THE WATER TO ESCAPE. TEMPORARY DIVERSION MEASURES MAY BE REQUIRED FOR HIGH FLOWS DUE TO THE RESTRICTED NATURE OF THE OUTLET PIPE.



CMP DETENTION SYSTEM INSPECTION AND MAINTENANCE

UNDERGROUND STORMWATER DETENTION AND INFILTRATION SYSTEMS MUST BE INSPECTED AND MAINTAINED AT REGULAR INTERVALS FOR PURPOSES OF PERFORMANCE AND LONGEVITY.

INSPECTION

INSPECTION IS THE KEY TO EFFECTIVE MAINTENANCE OF CMP DETENTION SYSTEMS AND IS EASILY PERFORMED. CONTECH RECOMMENDS ONGOING, ANNUAL INSPECTIONS. SITES WITH HIGH TRASH LOAD OR SMALL OUTLET CONTROL ORIFICES MAY NEED MORE FREQUENT INSPECTIONS. THE RATE AT WHICH THE SYSTEM COLLECTS POLLUTANTS WILL DEPEND MORE ON SITE SPECIFIC ACTIVITIES RATHER THAN THE SIZE OR CONFIGURATION OF THE SYSTEM.

INSPECTIONS SHOULD BE PERFORMED MORE OFTEN IN EQUIPMENT WASHDOWN AREAS, IN CLIMATES WHERE SANDING AND/OR SALTING OPERATIONS TAKE PLACE, AND IN OTHER VARIOUS INSTANCES IN WHICH ONE WOULD EXPECT HIGHER ACCUMULATIONS OF SEDIMENT OR ABRASIVE/ CORROSIVE CONDITIONS. A RECORD OF EACH INSPECTION IS TO BE MAINTAINED FOR THE LIFE OF THE SYSTEM

MAINTENANCE

CMP DETENTION SYSTEMS SHOULD BE CLEANED WHEN AN INSPECTION REVEALS ACCUMULATED SEDIMENT OR TRASH IS CLOGGING THE DISCHARGE ORIFICE.

ACCUMULATED SEDIMENT AND TRASH CAN TYPICALLY BE EVACUATED THROUGH THE MANHOLE OVER THE OUTLET ORIFICE. IF MAINTENANCE IS NOT PERFORMED AS RECOMMENDED, SEDIMENT AND TRASH MAY ACCUMULATE IN FRONT OF THE OUTLET ORIFICE. MANHOLE COVERS SHOULD BE SECURELY SEATED FOLLOWING CLEANING ACTIVITIES. CONTECH SUGGESTS THAT ALL SYSTEMS BE DESIGNED WITH AN ACCESS/INSPECTION MANHOLE SITUATED AT OR NEAR THE INLET AND THE OUTLET ORIFICE. SHOULD IT BE NECESSARY TO GET INSIDE THE SYSTEM TO PERFORM MAINTENANCE ACTIVITIES, ALL APPROPRIATE PRECAUTIONS REGARDING CONFINED SPACE ENTRY AND OSHA REGULATIONS SHOULD BE FOLLOWED.

ANNUAL INSPECTIONS ARE BEST PRACTICE FOR ALL UNDERGROUND SYSTEMS. DURING THIS INSPECTION, IF EVIDENCE OF SALTING/DE-ICING AGENTS IS OBSERVED WITHIN THE SYSTEM, IT IS BEST PRACTICE FOR THE SYSTEM TO BE RINSED, INCLUDING ABOVE THE SPRING LINE SOON AFTER THE SPRING THAW AS PART OF THE MAINTENANCE PROGRAM FOR THE SYSTEM.

MAINTAINING AN UNDERGROUND DETENTION OR INFILTRATION SYSTEM IS EASIEST WHEN THERE IS NO FLOW ENTERING THE SYSTEM. FOR THIS REASON, IT IS A GOOD IDEA TO SCHEDULE THE CLEANOUT DURING DRY WEATHER.

THE FOREGOING INSPECTION AND MAINTENANCE EFFORTS HELP ENSURE UNDERGROUND PIPE SYSTEMS USED FOR STORMWATER STORAGE CONTINUE TO FUNCTION AS INTENDED BY IDENTIFYING RECOMMENDED REGULAR INSPECTION AND MAINTENANCE PRACTICES. INSPECTION AND MAINTENANCE RELATED TO THE STRUCTURAL INTEGRITY OF THE PIPE OR THE SOUNDNESS OF PIPE JOINT CONNECTIONS IS BEYOND THE SCOPE OF THIS GUIDE.

C:\EXPORTS\TEMPLATES\CMP_V8.DWG 10/18/2019 10:02 AM

The design and information shown on this drawing is provided as a service to the project owner, engineer and contractor by Contech Engineered Solutions LLC ("Contech"). Neither this drawing, nor any part thereof, may be used, reproduced or modified in any manner without the prior written consent of Contech. Failure to comply is done at the user's own risk and Contech expressly disclaims any liability or responsibility for such use.

If discrepancies between the supplied information upon which the drawing is based and actual field conditions are encountered as site work progresses, these discrepancies must be reported to Contech immediately for re-evaluation of the design. Contech accepts no liability for designs based on missing, incomplete or inaccurate information supplied by others.

DATE	REVISION DESCRIPTION	BY

CONTECH ENGINEERED SOLUTIONS LLC
www.ContechES.com
9025 Centre Pointe Dr., Suite 400, West Chester, OH 45069
800-338-1122 513-645-7000 513-645-7993 FAX

CONTECH CMP DETENTION SYSTEMS
CONTECH DYODS DRAWING

DYO22687 Jefferson Fontana
Multiple Use Underground Chamber CMP
Fontana, CA
DETENTION SYSTEM

PROJECT No.:	SEQ. No.:	DATE:
14920	22687	10/26/2022
DESIGNED: DYO	DRAWN: DYO	
CHECKED: DYO	APPROVED: DYO	
SHEET NO.: 1		

EXHIBIT-3
DETAIL
HYDRODYNAMIC SEPARATOR
(CDS UNIT)

Hydrodynamic Separation Product Calculator

Jefferson Fontana

Area-1

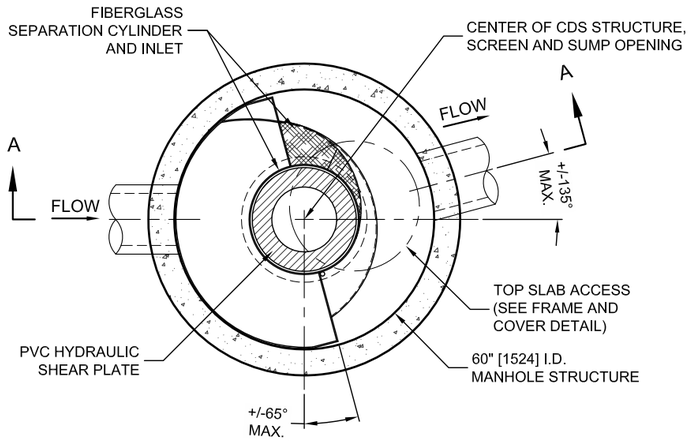
CDS CDS2025-5-C

Project Information					
Project Name	Jefferson Fontana			**Option #**	A
Country	UNITED_STATES	**State**	California	**City**	Fontana

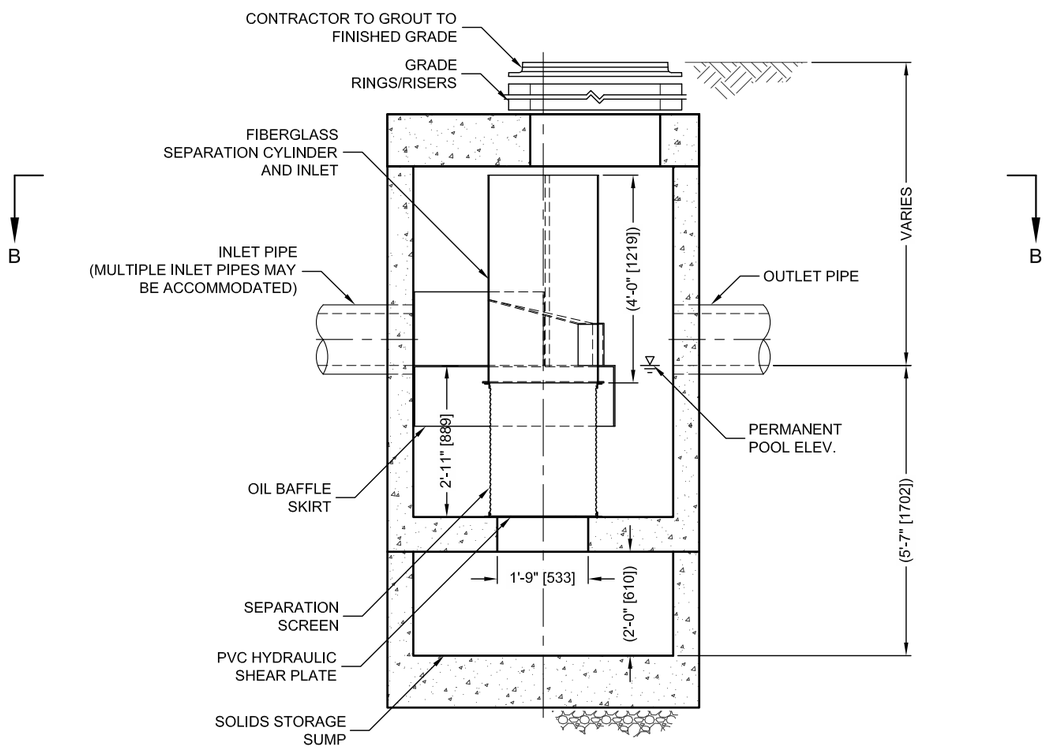
Contact Information			
First Name	Moyenuddin	**Last Name**	Sirajee
Company	Fuscoe Engineering	**Phone #**	909-581-0676
Email	msirajee@fuscoe.com		

Design Criteria					
Site Designation	Area-1			**Sizing Method**	Treatment Flow Rate
Screening Required?	Yes	**Treatment Flow Rate**	1.55	**Peak Flow (cfs)**	21.50
Groundwater Depth (ft)	>15	**Pipe Invert Depth (ft)**	5 - 10	**Bedrock Depth (ft)**	>15
Multiple Inlets?	No	**Grate Inlet Required?**	No	**Pipe Size (in)**	24.00
Required Particle Size Distribution?	No	**90° between two inlets?**	N/A		

Treatment Selection				
Treatment Unit	CDS	**System Model**	CDS2025-5-C	
Target Removal	80%	**Particle Size Distribution (PSD)**	WADOE	



PLAN VIEW B-B
N.T.S.



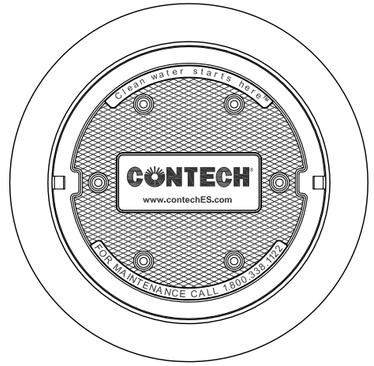
ELEVATION A-A
N.T.S.

THIS PRODUCT MAY BE PROTECTED BY ONE OR MORE OF THE FOLLOWING U.S. PATENTS: 5,788,848; 6,641,720; 6,511,595; 6,581,783; RELATED FOREIGN PATENTS, OR OTHER PATENTS PENDING.

CDS2025-5-C DESIGN NOTES

THE STANDARD CDS2025-5-C CONFIGURATION IS SHOWN. ALTERNATE CONFIGURATIONS ARE AVAILABLE AND ARE LISTED BELOW. SOME CONFIGURATIONS MAY BE COMBINED TO SUIT SITE REQUIREMENTS.

CONFIGURATION DESCRIPTION
GRATED INLET ONLY (NO INLET PIPE)
GRATED INLET WITH INLET PIPE OR PIPES
CURB INLET ONLY (NO INLET PIPE)
CURB INLET WITH INLET PIPE OR PIPES
SEPARATE OIL BAFFLE (SINGLE INLET PIPE REQUIRED FOR THIS CONFIGURATION)
SEDIMENT WEIR FOR NJDEP / NJCAT CONFORMING UNITS



FRAME AND COVER
(DIAMETER VARIES)
N.T.S.

SITE SPECIFIC DATA REQUIREMENTS

STRUCTURE ID	
WATER QUALITY FLOW RATE (CFS OR L/s)	*
PEAK FLOW RATE (CFS OR L/s)	*
RETURN PERIOD OF PEAK FLOW (YRS)	*
SCREEN APERTURE (2400 OR 4700)	*

PIPE DATA:	I.E.	MATERIAL	DIAMETER
INLET PIPE 1	*	*	*
INLET PIPE 2	*	*	*
OUTLET PIPE	*	*	*

RIM ELEVATION	*

ANTI-FLOTATION BALLAST	WIDTH	HEIGHT
	*	*

NOTES/SPECIAL REQUIREMENTS:

* PER ENGINEER OF RECORD

GENERAL NOTES
1. CONTECH TO PROVIDE ALL MATERIALS UNLESS NOTED OTHERWISE.
2. DIMENSIONS MARKED WITH ( ) ARE REFERENCE DIMENSIONS. ACTUAL DIMENSIONS MAY VARY.
3. FOR FABRICATION DRAWINGS WITH DETAILED STRUCTURE DIMENSIONS AND WEIGHTS, PLEASE CONTACT YOUR CONTECH ENGINEERED SOLUTIONS LLC REPRESENTATIVE. www.contechES.com
4. CDS WATER QUALITY STRUCTURE SHALL BE IN ACCORDANCE WITH ALL DESIGN DATA AND INFORMATION CONTAINED IN THIS DRAWING.
5. STRUCTURE SHALL MEET AASHTO HS20 AND CASTINGS SHALL MEET HS20 (AASHTO M 306) LOAD RATING, ASSUMING GROUNDWATER ELEVATION AT, OR BELOW, THE OUTLET PIPE INVERT ELEVATION. ENGINEER OF RECORD TO CONFIRM ACTUAL GROUNDWATER ELEVATION.
6. PVC HYDRAULIC SHEAR PLATE IS PLACED ON SHELF AT BOTTOM OF SCREEN CYLINDER. REMOVE AND REPLACE AS NECESSARY DURING MAINTENANCE CLEANING.

INSTALLATION NOTES
A. ANY SUB-BASE, BACKFILL DEPTH, AND/OR ANTI-FLOTATION PROVISIONS ARE SITE-SPECIFIC DESIGN CONSIDERATIONS AND SHALL BE SPECIFIED BY ENGINEER OF RECORD.
B. CONTRACTOR TO PROVIDE EQUIPMENT WITH SUFFICIENT LIFTING AND REACH CAPACITY TO LIFT AND SET THE CDS MANHOLE STRUCTURE (LIFTING CLUTCHES PROVIDED).
C. CONTRACTOR TO ADD JOINT SEALANT BETWEEN ALL STRUCTURE SECTIONS, AND ASSEMBLE STRUCTURE.
D. CONTRACTOR TO PROVIDE, INSTALL, AND GROUT PIPES. MATCH PIPE INVERTS WITH ELEVATIONS SHOWN.
E. CONTRACTOR TO TAKE APPROPRIATE MEASURES TO ASSURE UNIT IS WATER TIGHT, HOLDING WATER TO FLOWLINE INVERT MINIMUM. IT IS SUGGESTED THAT ALL JOINTS BELOW PIPE INVERTS ARE GROUTED.

CONTECH ENGINEERED SOLUTIONS LLC
www.contechES.com
9025 Centre Pointe Dr., Suite 400, West Chester, OH 45069
800-338-1122 513-645-7000 513-645-7993 FAX

CDS2025-5-C
INLINE CDS
STANDARD DETAIL

C:\USERS\SCHLACHTERH\DESKTOP\CDS DETAILS 180 MICRON SIZING\CAD\CDS2025-5-C-DTL.DWG 5/19/2014 5:20 PM

Hydrodynamic Separation Product Calculator

Jefferson Fontana

Area-2

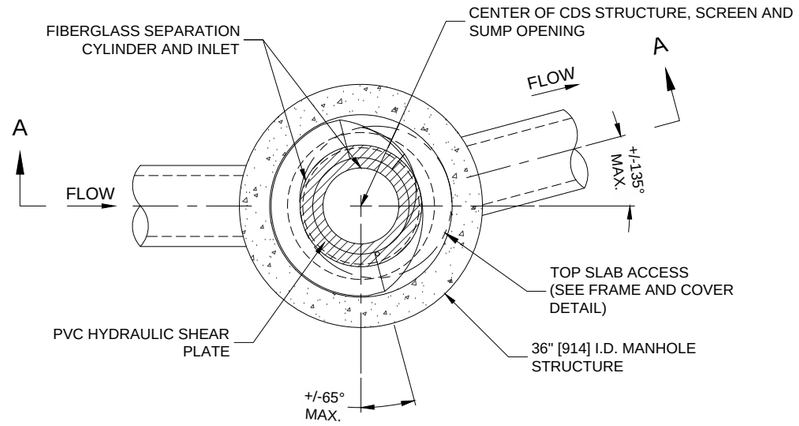
CDS CDS1515-3-C

Project Information					
Project Name	Jefferson Fontana			**Option #**	A
Country	UNITED_STATES	**State**	California	**City**	Fontana

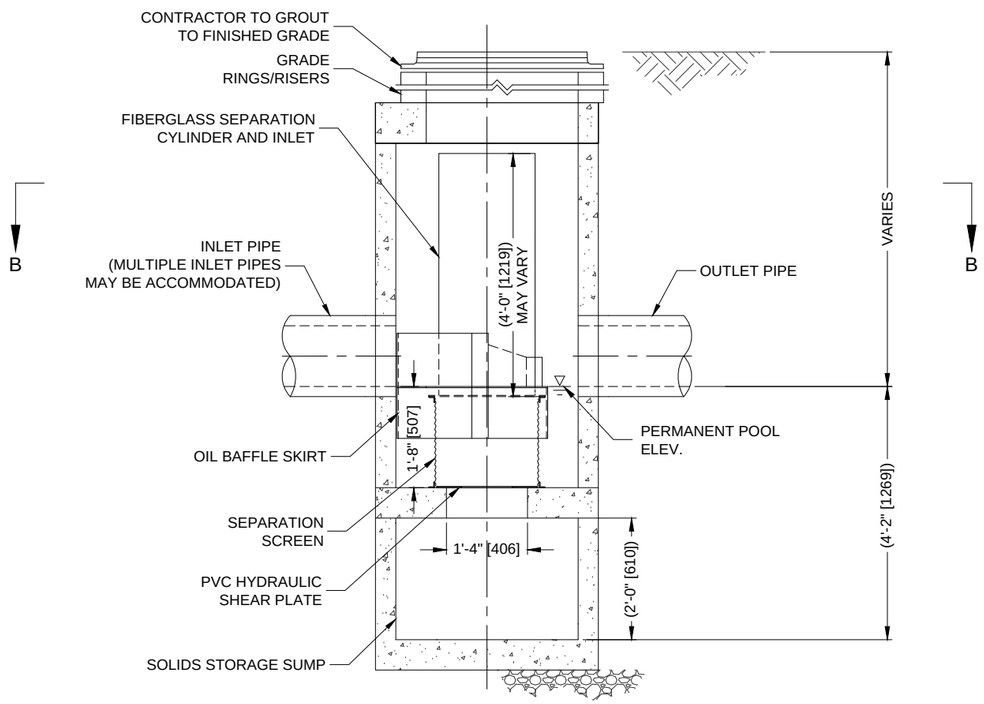
Contact Information			
First Name	Moyenuddin	**Last Name**	Sirajee
Company	Fuscoe Engineering	**Phone #**	909-581-0676
Email	msirajee@fuscoe.com		

Design Criteria					
Site Designation	Area-2			**Sizing Method**	Treatment Flow Rate
Screening Required?	Yes	**Treatment Flow Rate**	0.49	**Peak Flow (cfs)**	6.80
Groundwater Depth (ft)	>15	**Pipe Invert Depth (ft)**	5 - 10	**Bedrock Depth (ft)**	>15
Multiple Inlets?	No	**Grate Inlet Required?**	No	**Pipe Size (in)**	24.00
Required Particle Size Distribution?	Yes	**90° between two inlets?**	N/A		

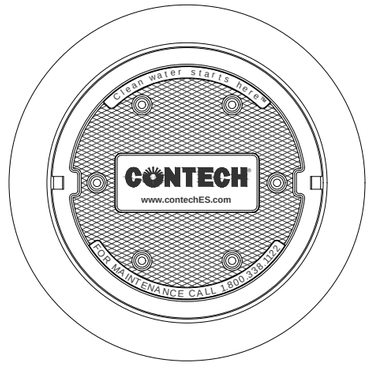
Treatment Selection				
Treatment Unit	CDS	**System Model**	CDS1515-3-C	
Target Removal	100%	**Particle Size Distribution (PSD)**	WADOE	



PLAN VIEW B-B
N.T.S.



ELEVATION A-A
N.T.S.



FRAME AND COVER
(DIAMETER VARIES)
N.T.S.

CDS1515-3-C DESIGN NOTES

THE STANDARD CDS1515-3-C CONFIGURATION IS SHOWN. ALTERNATE CONFIGURATIONS ARE AVAILABLE AND ARE LISTED BELOW. SOME CONFIGURATIONS MAY BE COMBINED TO SUIT SITE REQUIREMENTS.

SITE SPECIFIC DATA REQUIREMENTS

STRUCTURE ID			
WATER QUALITY FLOW RATE (CFS OR L/s)			*
PEAK FLOW RATE (CFS OR L/s)			*
RETURN PERIOD OF PEAK FLOW (YRS)			*
SCREEN APERTURE (2400 OR 4700)			*
PIPE DATA:	I.E.	MATERIAL	DIAMETER
INLET PIPE 1	*	*	*
INLET PIPE 2	*	*	*
OUTLET PIPE	*	*	*
RIM ELEVATION			*
ANTI-FLOTATION BALLAST		WIDTH	HEIGHT
		*	*

NOTES/SPECIAL REQUIREMENTS:

* PER ENGINEER OF RECORD

GENERAL NOTES
1. CONTECH TO PROVIDE ALL MATERIALS UNLESS NOTED OTHERWISE.
2. FOR SITE SPECIFIC DRAWINGS WITH DETAILED STRUCTURE DIMENSIONS AND WEIGHT, PLEASE CONTACT YOUR CONTECH ENGINEERED SOLUTIONS LLC REPRESENTATIVE. www.ContechES.com
3. CDS WATER QUALITY STRUCTURE SHALL BE IN ACCORDANCE WITH ALL DESIGN DATA AND INFORMATION CONTAINED IN THIS DRAWING. CONTRACTOR TO CONFIRM STRUCTURE MEETS REQUIREMENTS OF PROJECT.
4. STRUCTURE SHALL MEET AASHTO HS20 LOAD RATING, ASSUMING EARTH COVER OF 0' - 2', AND GROUNDWATER ELEVATION AT, OR BELOW, THE OUTLET PIPE INVERT ELEVATION. ENGINEER OF RECORD TO CONFIRM ACTUAL GROUNDWATER ELEVATION. CASTINGS SHALL MEET AASHTO M306 AND BE CAST WITH THE CONTECH LOGO..
5. IF REQUIRED, PVC HYDRAULIC SHEAR PLATE IS PLACED ON SHELF AT BOTTOM OF SCREEN CYLINDER. REMOVE AND REPLACE AS NECESSARY DURING MAINTENANCE CLEANING.
6. CDS STRUCTURE SHALL BE PRECAST CONCRETE CONFORMING TO ASTM C-478 AND AASHTO LOAD FACTOR DESIGN METHOD.

INSTALLATION NOTES
A. ANY SUB-BASE, BACKFILL DEPTH, AND/OR ANTI-FLOTATION PROVISIONS ARE SITE-SPECIFIC DESIGN CONSIDERATIONS AND SHALL BE SPECIFIED BY ENGINEER OF RECORD.
B. CONTRACTOR TO PROVIDE EQUIPMENT WITH SUFFICIENT LIFTING AND REACH CAPACITY TO LIFT AND SET THE CDS MANHOLE STRUCTURE.
C. CONTRACTOR TO INSTALL JOINT SEALANT BETWEEN ALL STRUCTURE SECTIONS AND ASSEMBLE STRUCTURE.
D. CONTRACTOR TO PROVIDE, INSTALL, AND GROUT INLET AND OUTLET PIPE(S). MATCH PIPE INVERTS WITH ELEVATIONS SHOWN. ALL PIPE CENTERLINES TO MATCH PIPE OPENING CENTERLINES.
E. CONTRACTOR TO TAKE APPROPRIATE MEASURES TO ASSURE UNIT IS WATER TIGHT, HOLDING WATER TO FLOWLINE INVERT MINIMUM. IT IS SUGGESTED THAT ALL JOINTS BELOW PIPE INVERTS ARE GROUTED.

THIS PRODUCT MAY BE PROTECTED BY ONE OR MORE OF THE FOLLOWING U.S. PATENTS: 5,788,848; 6,641,720; 6,511,595; 6,581,781; RELATED FOREIGN PATENTS, OR OTHER PATENTS PENDING.

CONTECH ENGINEERED SOLUTIONS LLC
www.contechES.com
9025 Centre Pointe Dr., Suite 400, West Chester, OH 45069
800-338-1122 513-645-7000 513-645-7993 FAX

CDS1515-3-C
ONLINE CDS
STANDARD DETAIL

I:\STORMWATER\COMMOPS\22 CDS\40 STANDARD DRAWINGS\ONLINE (CDS-C)\DWG\CDS1515-3-C-DTL.DWG 8/10/2018 8:18 AM

LID SIZING CALCULATION
ON-SITE BMP

DCV Calculation Entire Site

Tributary Area	489399	sf	Step 1
Pervious area	97880	sf	Site condition
Impervious area	391519.2	sf	Site condition
Percent Imperviousness	80%		
Runoff coefficient=	0.599		Step 2
P2yr-1hr=	0.538		Step 3 (See Attached)
C1 Valley =	1.4807		Step 4
P6 =	0.797		Step 4
Drawdown Time =	48	hour	Step 5
C2 (For 48 hour)=	1.963		Step 5
DCV =	**38220**	cft	Step 5

APPENDIX C

FLOW CALCULATIONS, PRE-TRETMENT BMP

Qbmp Calculation JEFFERSON, FONTANA

CDS Unit # 1

Area1 =	8.6	AC	
Ibmp=	0.150		
FS=	2		
Required Ibmp=	0.300		
Qbmp =	1.55	cfs	Pre-treatment flow calc.
Q100	21.5	cfs	Peak Flow

CDS Unit # 2

Area2 =	2.7	AC	
Ibmp=	0.150		
FS=	2		
Required Ibmp=	0.300		
Qbmp =	0.49	cfs	Pre-treatment flow calc.
Q100	6.8	cfs	Peak Flow

APPENDIX D

EDUCATIONAL MATERIALS
BMP FACT SHEETS

Storm Drain Signage SD-13



Design Objectives

- Maximize Infiltration
- Provide Retention
- Slow Runoff
- Minimize Impervious Land Coverage
- ☑ Prohibit Dumping of Improper Materials
- Contain Pollutants
- Collect and Convey

Description

Waste materials dumped into storm drain inlets can have severe impacts on receiving and ground waters. Posting notices regarding discharge prohibitions at storm drain inlets can prevent waste dumping. Storm drain signs and stencils are highly visible source controls that are typically placed directly adjacent to storm drain inlets.

Approach

The stencil or affixed sign contains a brief statement that prohibits dumping of improper materials into the urban runoff conveyance system. Storm drain messages have become a popular method of alerting the public about the effects of and the prohibitions against waste disposal.

Suitable Applications

Stencils and signs alert the public to the destination of pollutants discharged to the storm drain. Signs are appropriate in residential, commercial, and industrial areas, as well as any other area where contributions or dumping to storm drains is likely.

Design Considerations

Storm drain message markers or placards are recommended at all storm drain inlets within the boundary of a development project. The marker should be placed in clear sight facing toward anyone approaching the inlet from either side. All storm drain inlet locations should be identified on the development site map.

Designing New Installations

The following methods should be considered for inclusion in the project design and show on project plans:

- Provide stenciling or labeling of all storm drain inlets and catch basins, constructed or modified, within the project area with prohibitive language. Examples include "NO DUMPING

CASQA
CALIFORNIA STORMWATER QUALITY ASSOCIATION

– DRAINS TO OCEAN" and/or other graphical icons to discourage illegal dumping.

- Post signs with prohibitive language and/or graphical icons, which prohibit illegal dumping at public access points along channels and creeks within the project area.

Note - Some local agencies have approved specific signage and/or storm drain message placards for use. Consult local agency stormwater staff to determine specific requirements for placard types and methods of application.

Redeveloping Existing Installations

Various jurisdictional stormwater management and mitigation plans (SUSMP, WQMP, etc.) define "redevelopment" in terms of amounts of additional impervious area, increases in gross floor area and/or exterior construction, and land disturbing activities with structural or impervious surfaces. If the project meets the definition of "redevelopment", then the requirements stated under " designing new installations" above should be included in all project design plans.

Additional Information

Maintenance Considerations

- Legibility of markers and signs should be maintained. If required by the agency with jurisdiction over the project, the owner/operator or homeowner's association should enter into a maintenance agreement with the agency or record a deed restriction upon the property title to maintain the legibility of placards or signs.

Placement

- Signage on top of curbs tends to weather and fade.
- Signage on face of curbs tends to be worn by contact with vehicle tires and sweeper brooms.

Supplemental Information

Examples

- Most MS4 programs have storm drain signage programs. Some MS4 programs will provide stencils, or arrange for volunteers to stencil storm drains as part of their outreach program.

Other Resources

A Manual for the Standard Urban Stormwater Mitigation Plan (SUSMP), Los Angeles County Department of Public Works, May 2002.

Model Standard Urban Storm Water Mitigation Plan (SUSMP) for San Diego County, Port of San Diego, and Cities in San Diego County, February 14, 2002.

Model Water Quality Management Plan (WQMP) for County of Orange, Orange County Flood Control District, and the Incorporated Cities of Orange County, Draft February 2003.

Ventura Countywide Technical Guidance Manual for Stormwater Quality Control Measures, July 2002.

INF-2: Infiltration Trench Fact Sheet

An infiltration trench is a long, narrow, rock-filled trench with no outlet other than an overflow outlet. Runoff is stored in the void space between stones and infiltrates through the bottom and sides of the trench. Infiltration trenches provide the majority of their pollutant removal benefits through volume reduction. Pretreatment is important for limiting amounts of coarse sediment entering the trench which can clog and render the trench ineffective. *Note: if an infiltration trench is "deeper than its widest surface dimension," or includes an assemblage of perforated pipes, drain tiles, or other similar mechanisms intended to distribute runoff below the surface of the ground, it would probably be considered a "Class V Injection Well" under the federal Underground Injection Control (UIC) Program, which is regulated in California by U.S. EPA Region 9. A UIC permit may be required for such a facility (for details see* **http://www.epa.gov/region9/water/groundwater/uic-classv.html**).

Also known as:

- *French Drains*
- *Rock Trenches*
- *Exfiltration Trenches*
- *Soak-aways*
- *Soakage Trenches*



Infiltration Trench

Source: www.dot.ca.gov

Feasibility Screening Considerations

- Infiltration trenches shall pass infeasibility screening criteria to be considered for use
- Infiltration trenches, particularly deeper designs, may not provide significant attenuation of stormwater pollutants if underlying soils have high permeability; potential risk of groundwater contamination.
- The potential for groundwater mounding should be evaluated if depth to seasonally high groundwater (unmounded) is less than 15 feet.

Opportunity Criteria

- Soils are adequate for infiltration or can be amended to provide an adequate infiltration rate.
- Drainage area area is ≤ 5 acres and has low to moderate sediment production.
- 2-3 percent of drainage area available for infiltration (generally requires less surface area than infiltration basins and bioretention areas without underdrain).
- Space available for pretreatment (biotreatment or treatment control BMP as described below).
- Potential for groundwater contamination can be mitigated through isolation of pollutant sources, pretreatment of inflow, and/or demonstration of adequate treatment capacity of underlying soils.
- Infiltration is into native soil, or depth of engineered fill is ≤ 5 feet from the bottom of the facility to native material and infiltration into shallow fill is approved by a geotechnical professional.
- Tributary area land uses include open areas adjacent to parking lots, driveways, and buildings, and roadway medians and shoulders.

OC-Specific Design Criteria and Considerations

☐ Must comply with local, state, and federal UIC regulations if applicable; a permit may be required.

- ☐ Placement of BMPs should observe geotechnical recommendations with respect to geological hazards (e.g. landslides, liquefaction zones, erosion, etc.) and set-backs (e.g., foundations, utilities, roadways, etc.)
- ☐ For facilities with tributary area less than 1 acre and less than 3 foot depth, minimum separation to mounded seasonally high groundwater of 5 feet shall be observed.
- ☐ For facilities with tributary area greater than 1 acre or deeper than 3 feet, minimum separation to mounded seasonally high groundwater of 10 feet shall be observed.
- ☐ Minimum pretreatment should be provided upstream of the infiltration trench, and water bypassing pretreatment should not be directed to the infiltration trench.
- ☐ Infiltration trenches should not be used for drainage areas with high sediment production potential unless preceded by full treatment control with a BMP effective for sediment removal.
- ☐ Ponded water should not persist within 1 foot of the surface of the facility for longer than 72 hours following the end of a storm event (observation well is needed to allow observation of drain time).
- ☐ Energy dissipators should be provided at inlet and outlet to prevent erosion.
- ☐ An overflow device must be provided if basin is on-line.
- ☐ A minimum freeboard of one foot should be provided above the overflow device (for an on-line basin) or the outlet (for an off-line basin).
- ☐ Longitudinal trench slope should not exceed 3%.
- ☐ Side slopes above trench fill should not be steeper than 3:1.

Simple Sizing Method for Infiltration Trenches

If the Simple Design Capture Volume Sizing Method is used to size an infiltration trench, the user calculates the DCV and then designs the geometry required to draw down the DCV in 48 hours. The sizing steps are as follows:

Step 1: Determine Infiltration Basin DCV

Calculate the DCV using the Simple Design Capture Volume Sizing Method described in **Appendix III.3.1**.

Step 2: Determine the 48-hour Effective Depth

The depth of water that can be drawn down in 48 hours can be calculated using the following equation:

$d_{48} = K_{DESIGN} \times SACF \times 48$ hours

Where:

d_{48} = trench effective 48-hour depth, ft

K_{DESIGN} = basin design infiltration rate, in/hr (See **Appendix VII**)

SACF = Surface Area Correction Factor = ranges from 1.0 (sides insignificant or not accounted) to 2.0 (sides plus bottom are 2 times the surface area of the bottom at mid depth) to account for the ratio of infiltration through the sides of the trench to the bottom footprint of the trench; should be based on anticipated trench geometry and wetted surface area at mid-depth.

This is the maximum effective depth of the trench below the overflow device to achieve drawdown in 48 hours.

Step 3: Determine the Trench Ponding Depth and Trench Depth

The depth of water stored in the ponding depth (i.e. above the trench fill) and within the trench itself should be equal or less than d_{48}. Determine the ponding depth and the trench fill depth such that:

$d_{48} \geq (n_T \times d_T + d_P)$

Where:

d_{48} = trench effective 48-hour depth, ft (from Step 2)

n_T = porosity of trench fill; 0.35 may be assumed where other information is not available

d_T = depth of trench fill, ft

d_P = ponding depth, ft (should not exceed 1 ft)

Step 4: Calculate the Required Infiltrating Area

The required footprint area can be calculated using the following equation:

$A = DCV/ ((n_T \times d_T) + d_P)$

Where:

A = required trench footprint area, sq-ft

DCV = design capture volume, cu-ft (see Step 1)

n_T = porosity of trench fill; 0.35 may be assumed where other information is not available

d_T = depth of trench fill, ft

d_P = ponding depth, ft

Capture Efficiency Method for Infiltration Trenches

If BMP geometry has already been defined and deviates from the 48 hour drawdown time, the designer can use the Capture Efficiency Method for Volume-Based, Constant Drawdown BMPs (**Appendix III.3.2**) to determine the fraction of the DCV that must be provided to manage 80 percent of average annual runoff volume. This method accounts for drawdown time different than 48 hours.

Step 1: Determine the drawdown time associated with the selected trench geometry

$DD = ((n_T \times d_T) + d_P) / (K_{DESIGN} \times SACF) \times 12$

Where:

DD = time to completely drain infiltration basin ponding depth, hours

n_T = porosity of trench fill; 0.35 may be assumed where other information is not available

d_T = depth of trench fill, ft

d_P = ponding depth, ft

SACF = Surface Area Correction Factor = ranges from 1.0 (sides insignificant or not accounted) to 2.0 (sides plus bottom are 2 times the surface area of the bottom at mid depth) to account for the ratio of infiltration through the sides of the trench to the bottom footprint of the trench; should be based on anticipated trench geometry and wetted surface area at mid-depth.

K_{DESIGN} = basin design infiltration rate, in/hr (See **Appendix VII**)

Step 2: Determine the Required Adjusted DCV for this Drawdown Time

Use the Capture Efficiency Method for Volume-Based, Constant Drawdown BMPs (**Appendix III.3.2**) to calculate the required fraction of the DCV the basin must hold to achieve 80 percent capture of average annual stormwater runoff volume based on the trench drawdown time calculated above.

Step 3: Determine the Trench Infiltrating Area Needed

The required footprint area can be calculated using the following equation:

$A = DCV / ((n_T \times d_T) + d_P)$

Where:

A = required trench footprint area, sq-ft

DCV = design capture volume, cu-ft (see Step 1)

n_T = porosity of trench fill; 0.35 may be assumed where other information is not available

d_T = depth of trench fill, ft

d_P = ponding depth, ft

If the area required is greater than the selected trench area, adjust surface area or adjust ponding and/or trench depth and recalculate required area until the required area is achieved.

Configuration for Use in a Treatment Train

- Infiltration trenches may be preceeded in a treatment train by HSCs in the drainage area, which would reduce the required volume of the trench.
- Infiltration trenches must be preceeded by some form of pretreatment which may be biotreatment or a treatment control BMP; if an approved biotreatment BMP is used as pretreatment, the overflow from the infiltration trench may be considered “biotreated” for the purposes of meeting the LID requirments
- The overflow or bypass from an infiltration trench can be routed to a downstream biotreatment BMP and/or a treatment control BMP if additional control is required to achieve LID or treatment control requirements

Additional References for Design Guidance

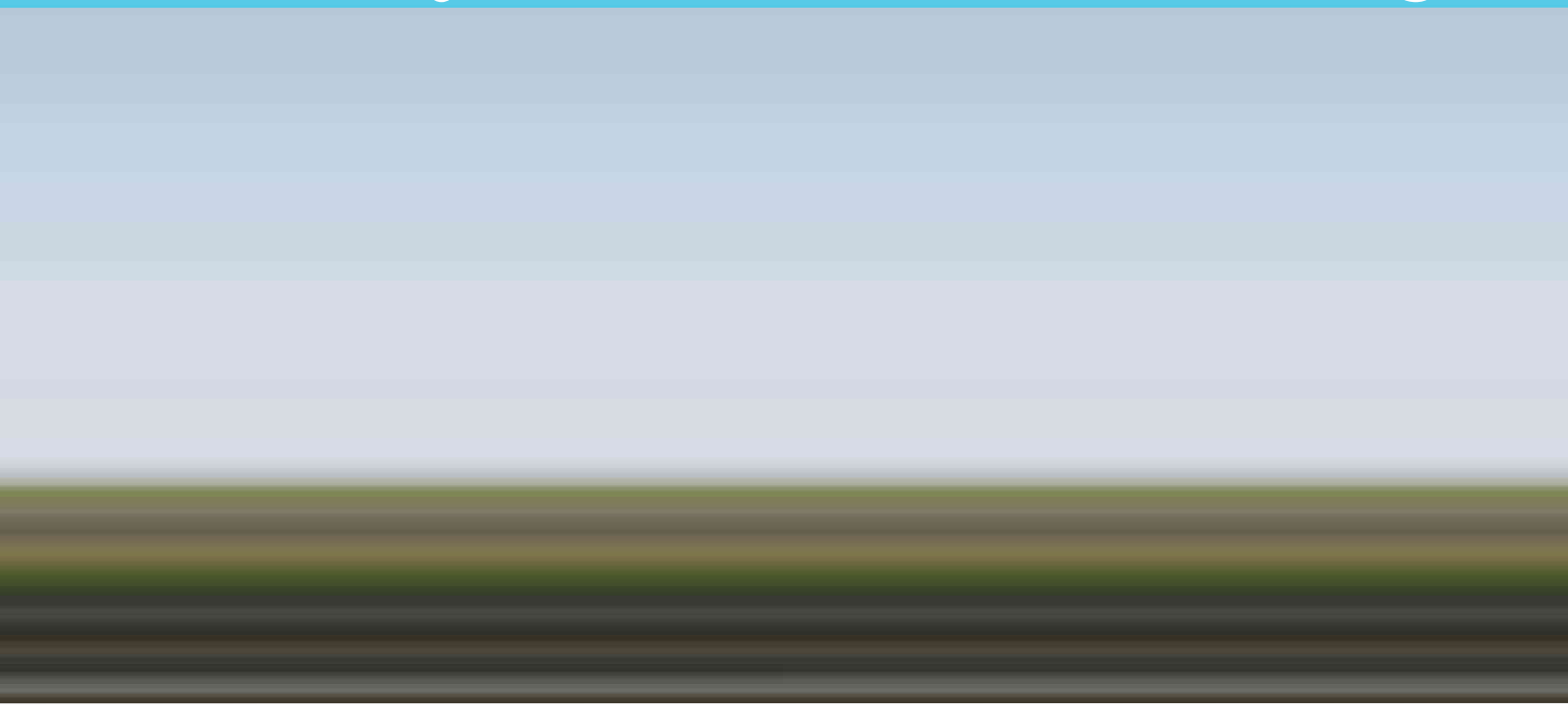
- CASQA BMP Handbook for New and Redevelopment: http://www.cabmphandbooks.com/Documents/Development/TC-10.pdf
- SMC LID Manual (pp 141): http://www.lowimpactdevelopment.org/guest75/pub/All_Projects/SoCal_LID_Manual/SoCalLID_Manual_FINAL_040910.pdf
- Los Angeles County Stormwater BMP Design and Maintenance Manual, Chapter 6: http://dpw.lacounty.gov/DES/design_manuals/StormwaterBMPDesignandrainageareaintenance.pdf
- City of Portland Stormwater Management Manual (Soakage Trenches, page 2-82) http://www.portlandonline.com/bes/index.cfm?c=47954&a=202883
- San Diego County LID Handbook Appendix 4 (Factsheet 1): http://www.sdcounty.ca.gov/dplu/docs/LID-Appendices.pdf

CONTECH®
ENGINEERED SOLUTIONS

Hydrodynamic Separation



The experts you need to solve your stormwater challenges



Contech is the leader in stormwater solutions, helping engineers, contractors and owners with infrastructure and land development projects throughout North America.

With our responsive team of stormwater experts, local regulatory expertise and flexible solutions, Contech is the trusted partner you can count on for stormwater management solutions.

Your Contech Team



STORMWATER CONSULTANT

It's my job to recommend the best solution to meet permitting requirements.



STORMWATER DESIGN ENGINEER

I work with consultants to design the best approved solution to meet your project's needs.



REGULATORY MANAGER

I understand the local stormwater regulations and what solutions will be approved.



SALES ENGINEER

I make sure our solutions meet the needs of the contractor during construction.

Contech is your partner in stormwater management solutions



Removing Pollutants using Hydrodynamic Separation

Utilize high-performance hydrodynamic separation to effectively remove finer sediment, oil and grease, and floating and sinking debris.

CASCADE separator™

CDS®

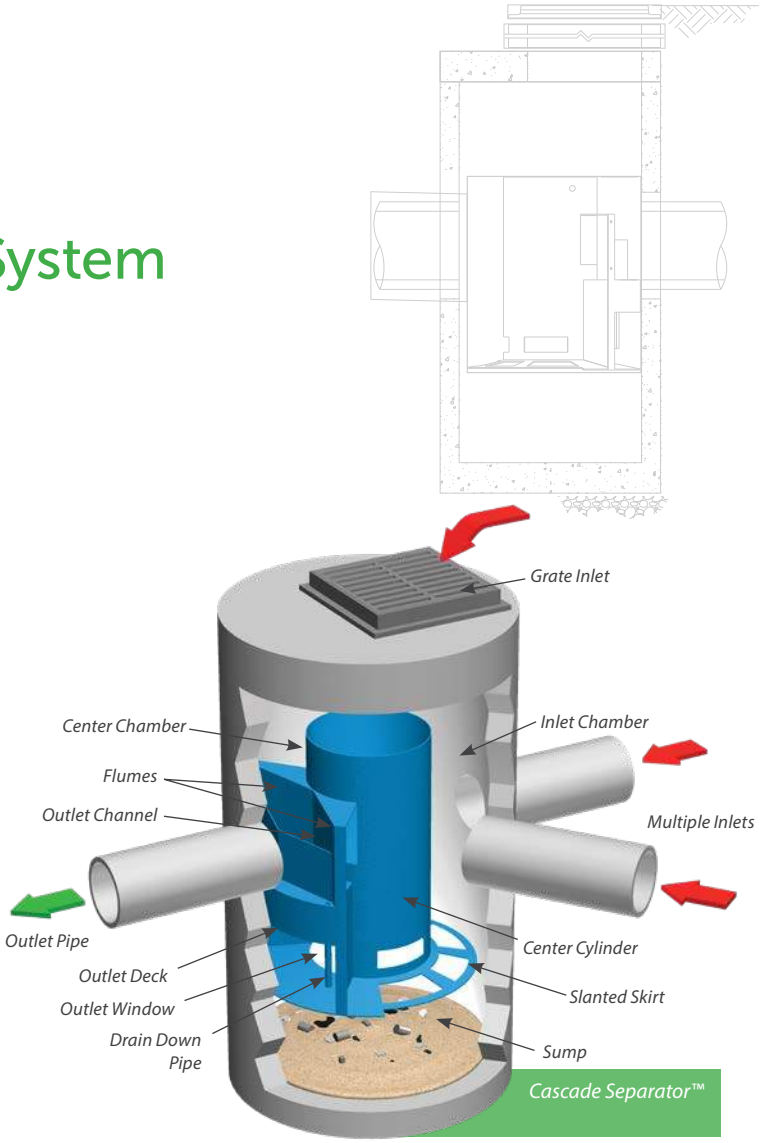
Vortechs®

HDS systems play a vital role in protecting our waterways by removing high levels of sediment, trash, debris, and hydrocarbons from stormwater runoff.

Frequently used as end-of-pipe solutions, they are also used to provide stormwater quality treatment in places where space is limited.

HDS systems capture and retain a variety of stormwater pollutants and are very easy to maintain. These two key benefits have resulted in new uses for HDS technologies, such as pretreating detention, Low Impact Development, and green infrastructure practices, as well as other land-based stormwater treatment systems.

The Cascade Separator™ System



Advanced Sediment Capture Technology ...

The Cascade Separator™ is the newest innovation in stormwater treatment from Contech. The Cascade Separator was developed by Contech's stormwater experts using advanced modeling tools and Contech's industry leading stormwater laboratory.

This innovative hydrodynamic separator excels at sediment capture and retention while also removing hydrocarbons, trash, and debris from stormwater runoff. What makes the Cascade Separator unique is the use of opposing vortices that enhance particle settling and a unique skirt design that allows for sediment transport into the sump while reducing turbulence and resuspension of previously captured material. These two factors allow the Cascade Separator to treat high flow rates in a small footprint, resulting in an efficient and economical solution for any site.

FEATURE	BENEFIT
Unique skirt design & opposing vortices	Superior TSS removal; reduced system size and costs
Inlet area accepts wide range of inlet pipe angles	Design and installation flexibility
Accepts multiple inlet pipes	Eliminates the need for separate junction structure
Grate inlet option	Eliminates the need for a separate grate inlet structure
Internal bypass	Eliminates the need for a separate bypass structure
Clear access to sump and stored pollutants	Fast, easy maintenance

Learn More:
www.ContechES.com/cascade

SELECT CASCADE APPROVALS

- New Jersey Department of Environmental Protection Certification (NJDEP)

CASCADE MAINTENANCE

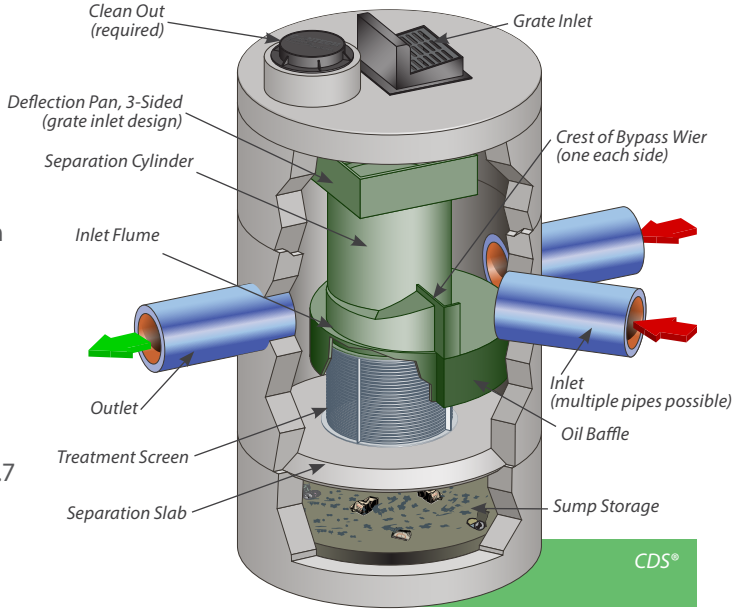
Cascade provides unobstructed access to stored pollutants, making it easy to maintain using a vacuum truck, with no requirement to enter the unit.

The CDS® System

Superior Trash Removal ...

The CDS is a hybrid technology that uses a combination of swirl concentration and indirect screening to separate and trap trash, debris, sediment, and hydrocarbons from stormwater runoff.

At the heart of the CDS system is a unique screening technology used to capture and retain trash and debris. The screen face is louvered so that it is smooth in the downstream direction. The effect created is called "Continuous Deflective Separation." The power of the incoming flow is harnessed to continually shear debris off the screen and to direct trash and sediment toward the center of the separation cylinder. This results in a screen that is self-cleaning and provides 100% removal of floatables and neutrally buoyant material debris 4.7 mm or larger, without blinding.



FEATURE	BENEFIT
Captures and retains 100% of floatables and neutrally buoyant debris 4.7 mm or larger	Superior trash removal
Self-cleaning screen	Ease of maintenance
Isolated storage sump eliminates scour potential	Excellent pollutant retention
Internal bypass	Eliminates the need for additional structures
Multiple pipe inlets and 90-180° angles	Design flexibility
Clear access to sump and stored pollutants	Fast, easy maintenance

Learn More:
www.ContechES.com/cds

SELECT CDS APPROVALS

- Washington Department of Ecology (GULD) – Pretreatment
- New Jersey Department of Environmental Protection Certification (NJDEP)
- Canadian Environmental Technology Verification (ETV)
- California Statewide Trash Amendments Full Capture System Certified*

** The CDS System has been certified by the California State Water Resources Control Board as a Full Capture System provided that it is sized to treat the peak flow rate from the region specific 1-year, 1-hour design storm, or the peak flow capacity of the corresponding storm drain, whichever is less.*

Design Your Own Hydrodynamic Separator (DYOHDS™)



Learn More:
www.ContechES.com/dyohds

Quickly prepare designs for estimates and project meetings ...

Engineers are always looking for new ways to quickly prepare designs for estimates and project meetings. Contech has developed an online tool to help with the hydrodynamic separation product selection process… the Design Your Own Hydrodynamic Separator (DYOHDS™) tool.

This free, online tool fully automates the layout process for identifying the proper hydrodynamic separator for your site. You can create multiple systems for each project while saving all project information for future use.

- Multiple sizing methods available.
- Site-specific questions ensure the selected unit will comply with site constraints.
- Multiple treatment options may be available based on regulations and site parameters.
- Follow up reports contain a site-specific design, sizing summary, standard detail, and specification.

A free, online tool to aid in the selection of a hydrodynamic separation solution.

A partner you can rely on



STORMWATER SOLUTIONS

PIPE SOLUTIONS

STRUCTURES SOLUTIONS

Few companies offer the wide range of high-quality stormwater resources you can find with us — state-of-the-art products, decades of expertise, and all the maintenance support you need to operate your system cost-effectively.

THE CONTECH WAY

Contech® Engineered Solutions provides innovative, cost-effective site solutions to engineers, contractors, and developers on projects across North America. Our portfolio includes bridges, drainage, erosion control, retaining wall, sanitary sewer and stormwater management products.

TAKE THE NEXT STEP

For more information: www.ContechES.com

NOTHING IN THIS CATALOG SHOULD BE CONSTRUED AS A WARRANTY. APPLICATIONS SUGGESTED HEREIN ARE DESCRIBED ONLY TO HELP READERS MAKE THEIR OWN EVALUATIONS AND DECISIONS, AND ARE NEITHER GUARANTEES NOR WARRANTIES OF SUITABILITY FOR ANY APPLICATION. CONTECH MAKES NO WARRANTY WHATSOEVER, EXPRESS OR IMPLIED, RELATED TO THE APPLICATIONS, MATERIALS, COATINGS, OR PRODUCTS DISCUSSED HEREIN. ALL IMPLIED WARRANTIES OF MERCHANTABILITY AND ALL IMPLIED WARRANTIES OF FITNESS FOR ANY PARTICULAR PURPOSE ARE DISCLAIMED BY CONTECH. SEE CONTECH'S CONDITIONS OF SALE (AVAILABLE AT WWW.CONTECHES.COM/COS) FOR MORE INFORMATION.

CONTECH® ENGINEERED SOLUTIONS

Get social with us:

800-338-1122 | www.ContechES.com

© 2019 Contech Engineered Solutions LLC, a QUIKRETE Company
Revision 10/19

All Rights Reserved. Printed in the USA.)

APPENDIX E

INFILTRATION TEST REPORT

October 19, 2022

Project No. 13584.003

JPI Companies
12250 El Camino Real, Suite 380
San Diego, California 92130

Attention: Mr. Jay Adamowitz

Subject: Results of Supplemental Infiltration Testing
Proposed Jefferson Fontana, Mixed-Use Development,
Southwest of the Intersection of Juniper Avenue and Valley Boulevard,
City of Fontana, California

In accordance with your request and authorization, Leighton and Associates, Inc. (Leighton) has conducted supplemental infiltration testing in support of the proposed Jefferson Fontana mixed-use development, located southwest of the intersection of Juniper Avenue and Valley Boulevard, in the City of Fontana, California (see Figure 1, Site Location Map). Leighton previously performed a geotechnical due-diligence and phase I environmental site assessment for the proposed development (dated June 24, 2022 and July 14, 2022, respectively). Infiltration testing was not conducted during our due-diligence but was previously conducted by SPC at depths of approximately 3 feet below existing ground surface. We understand that revised infiltration facilities and depths have been proposed and additional infiltration testing was requested.

Our understanding of the project is based on our correspondence with Fuscoe Engineering and the provided marked up Site Plan, Sheet A1.0 dated September 14, 2022 showing the requested locations and depths of the proposed onsite infiltration facilities. We understand that two infiltration locations are currently proposed with invert depths of approximately 8 feet below ground surface on the southern end of the site within the parking lot area south of the proposed building pads.

Based on our infiltration test results, the tested onsite soils yielded low infiltration rates within the soils encountered at depths of approximately 5 to 10 feet bgs. The soils encountered at the site down to 10 feet below ground surface (bgs) were generally sands with silt (SW-SM) and silty sands (SM) with relatively high percentage of fines (39 to 47%). Based on our infiltration tests, we recommend an unfactored (small-scale) incremental infiltration rate of 3 inches per hour. The rate should only be applied to granular layers encountered in our current exploration; fine grained layers (silt and clay) should not be relied upon. The following summarizes our field exploration and testing, and presents our conclusions.

SCOPE OF WORK

The scope of our study has included the following tasks:

- **Background Review**: We reviewed available, relevant geotechnical geologic maps, reports, and aerial photographs available in our in-house library. Reviewed reports included those previously conducted by Leighton and SPC at the project site. Reviewed reports are listed under *References*.

- **Utility Coordination**: We contacted Dig Alert (811) prior to excavating borings so that utility companies could mark their utilities onsite.

- **Field Exploration**: We excavated, logged, and sampled two (2) hollow-stem auger borings (IT-1 and IT-2) to a maximum depth of 10 feet below the existing ground surface in the vicinity of the proposed infiltration systems. The borings were logged by a member of our technical staff. Standard Penetration Test (SPT) samples of encountered material were collected at selected depths and taken back to our in-house laboratory for geotechnical testing.

- **Geotechnical Laboratory Testing**: Geotechnical laboratory tests were conducted on selected SPT soil samples obtained during our field investigation. The laboratory testing program was designed to evaluate engineering characteristics of site soils. Laboratory tests conducted during this investigation included sieve analyses for grain-size distributions and percent passing the #200 sieve.

- **Infiltration Testing**: We conducted well permeameter tests (IT-1 and IT-2) at locations near the southern edge of the site to evaluate general infiltration rates of the subsurface soils at the depth and location tested. The well permeameter tests

were conducted based on the USBR 7300-89 method and in general accordance with San Bernardino County guidelines. The tests were conducted at a depth of approximately 10 feet (bgs) to estimate infiltration rates. A nearby fire hydrant was utilized to source water and conduct our infiltration testing.

Excavations were backfilled with the onsite soil cuttings. Logs of the geotechnical borings and the well permeameter test results are attached. Approximate well permeameter test locations are shown on Figure 2 – *Exploration Map*.

- **Engineering Analysis**: Data obtained from our testing was evaluated and analyzed to provide the recommendations presented in this report.

- **Report Preparation**: Results of our infiltration study have been summarized in this report.

SITE LOCATION AND DESCRIPTION

This site consists of approximately 11.9 acres of land located at the southwest corner of Juniper Avenue and Valley Boulevard in the City of Fontana, California. The property is bounded to the north by Valley Boulevard, to the east by Juniper Avenue, and to the west and south by commercial and residential properties. The southernmost end of the property is bounded by Washington Drive, with Interstate 10 farther to the south. The site is relatively flat, slopes gently towards the south, and is currently vacant and undeveloped land.

Based on review of historical imagery, a portion of the site has been historically occupied with agricultural and residential use from about 1938 to 1985 (NETR, 2022). Between 1985 and 1994, all structures were removed, and the site has remained vacant and undeveloped since.

SUBSURFACE SOIL CONDITIONS

The onsite soils described by SPC (2019) included an approximately 3½-foot-thick layer of artificial fill at the surface that overlies young alluvial fan deposits in the upper 2 to 3 feet. Because a geotechnical report of rough grading summarizing grading observations and testing of the previously placed fill is not available, existing onsite fill materials are considered undocumented. Based on our observation during drilling, undocumented artificial fill encountered consisted of silty sand and well graded sand. Native older

alluvial fan deposits observed in our borings down to 10 feet bgs, included silty sands and well graded sands with silt. The soils in the upper 5 feet were generally described loose to dense and the soils below 5 feet were described as medium dense to dense.

More detailed descriptions of the subsurface conditions within our logs are presented on the boring logs for our current and previous explorations (Appendix A).

Groundwater

Groundwater was not encountered in our borings extending to a depth of 10 feet during our current exploration, or during SPC's previous geotechnical exploration to a maximum depth of 31½ feet below the existing ground surface (Leighton, 2022).

State Well No. 01S05W20N001S located approximately 0.6 mile southeast of the site indicated a historically highest groundwater level of 268 feet bgs based on measurements taken from October 1989 to September 2021. State Well No. 01S06W24R001S located approximately 0.8 mile southwest of the site indicated a historically highest groundwater level of 322 feet bgs based on measurements taken from March 1992 to September 2021. Fife et al. (1976) reported generalized depth to groundwater in 1960 to be between 400 and 500 feet below the project site. Based on review of available regional groundwater data, groundwater is expected to be greater than 50 feet below the project site. As such, groundwater is not expected to be a constraint to the proposed development.

INFILTRATION TESTING

Two well permeameter tests (IT-1 and IT-2) were conducted to estimate the infiltration rate at specific locations of the site. The well permeameter testing was conducted at locations on the southern end of the site, within the parking lot area, south of the proposed building pads with well bottoms at depths of 10 feet bgs. The well bottom depths were selected based on correspondence with you.

A well permeameter test is useful for field measurements of soil infiltration rates, and is suited for testing when the design depth of the basin or chamber is deeper than current existing grades. The test consisted of excavating a boring to the depth of the test. A layer of Monterrey #3 sand was placed in the boring bottom to support a temporary 2-inch-diameter perforated well casing pipe. In addition, #3 sand was poured around the outside of the well casing within the test zone to prevent the boring from

caving/collapsing or eroding when water is added. Water is added into the boring to an initial water height, as water within the boring infiltrates into the soil, measurements are taken of the height of the water column within the boring at equally timed intervals (known as a falling head test). The infiltration rate as measured during intervals of the test is defined as the flow rate of water infiltrated, divided by the surface area of the infiltration interface. The test was conducted based on the USBR 7300-89 test method.

Results of the infiltration testing are summarized below and are provided in Appendix B.

Infiltration Test Rates

Boring	Soil Type	Approx. Test Zone (ft), bgs	Percent Fines	Unfactored Infiltration Rate (in/hr)
IT-1	SW-SM & SM	5 to 10	10% above 9' 39% below 9'	3.6
IT-2	SM	5 to 10	47	2.7

INFILTRATION RECOMMENDATIONS

Based on our testing of the onsite soils at approximately 10 feet deep, we recommend an unfactored (small-scale) incremental infiltration rate of 3 in/hr. These rates are applicable at the specific locations and depths indicated. Infiltration rates are anticipated to vary significantly at various depths. We recommend that a correction factor/safety factor be applied to the infiltration rate in conformance with San Bernardino County guidelines, since monitoring of actual facility performance has shown that actual infiltration rates are lower than for small-scale tests. The small-scale infiltration rate should be divided by a correction factor of at least 2 for buried chambers, and at least 3 for open basins or for conditions where retained water will be exposed to the open atmosphere, but the correction/safety factor may be higher based on project-specific aspects. Infiltration basins are subject to siltation, which can result in reduced infiltration rates. It should be noted that during periods of prolonged precipitation, underlying soils tend to become saturated to greater depths/extent. Therefore, infiltration rates tend to decrease with prolonged rainfall. It is difficult to extrapolate longer-term, full-scale infiltration rates from small-scale tests, and as such, this is a significant source of uncertainty in infiltration rates.

Additional Review and Evaluation:

Infiltration rates are anticipated to vary significantly based on the location and depth. Infiltration concepts should be discussed with Leighton as infiltration plans are being developed. Leighton should review all infiltration plans, including specific locations and depths of proposed facilities. Further testing may be needed based on the design of infiltration facilities, particularly considering their type, depth and location.

General Design Considerations:

The periodic flow of water carrying sediments in the dry well, plus the introduction of wind-blown sediments and sediments from erosion of the basin side walls, can eventually cause the bottom of the chamber to accumulate a layer of silt, which has the potential of significantly reducing the overall infiltration rate of the basin or chamber. Therefore, we recommend that significant amounts of silt/sediment not be allowed to flow into the facility within storm water, especially during construction of the project and prior to achieving a mature landscape on site. As it is typically very difficult to remove silt from buried infiltration facilities, we recommend that an easily maintained, robust silt/sediment removal system be installed to pretreat storm water before it enters the infiltration facility.

Infiltration facilities should not be constructed adjacent to or under buildings.

In general, the rate of infiltration reduces as the head of water in the infiltration facility reduces, and it also reduces with prolonged periods of infiltration. As such, water typically infiltrates much faster near the beginning of and/or immediately after storm events than at times well after a storm when the water level in the facility has receded, since the infiltration rate is then slower due to both lower head and longer overall duration of infiltration.

Estimating infiltration rates, especially based on small-scale testing, is inexact and indefinite, and often involves known and unknown soil complexities, potentially resulting in a condition where actual infiltration rates of the completed facility are significantly less than design rates.

Construction Considerations:

We recommend that Leighton evaluate the dry well excavations, to confirm that granular, undisturbed alluvium is exposed in the bottoms and sides. Additional excavation or evaluation may be required if silty or clayey soils are exposed.

Maintenance Considerations:

The infiltration facilities should be routinely monitored, especially before and during the rainy season, and corrective measures should be implemented as/when needed. Things to check for include proper upkeep, proper infiltration, absence of accumulated silt, and that de-silting filters/features are clean and functioning. Pretreatment desilting features should be cleaned and maintained per manufacturers' recommendations. Even with measures to prevent silt from flowing into the infiltration facility, accumulated silt may need to be removed occasionally as part of maintenance.

L I M I T A T I O N S

This report was based in part on data obtained from a limited number of observations, site visits, soil excavations, samples, and tests. Such information is, by necessity, incomplete. The nature of many sites is such that differing soil or geologic conditions can be present within small distances and under varying climatic conditions. Changes in subsurface conditions can and do occur over time. Therefore, our findings, conclusions, and recommendations presented in this report are based on the assumption that Leighton and Associates, Inc. will provide geotechnical observation and testing during construction

This report was prepared for the sole use of JPI Companies, for application to the design of the proposed multi-use development in accordance with generally accepted geotechnical engineering practices at this time in California.

C L O S I N G

We appreciate the opportunity to work with you on this project. If you have any questions regarding this report, please call us at your convenience.

Respectfully submitted,

LEIGHTON AND ASSOCIATES, INC.



Jose Tapia, PE 91630
Project Engineer



Jason D. Hertzberg, GE 2711
Principal Engineer

AA/JAT/JDH/rsm

Attachments: References
Figure 1 - Site Location Map
Figure 2 - Exploration Location Map
Appendix A - Borings Logs
Appendix B - Infiltration Logs
Appendix C - Laboratory Test Results

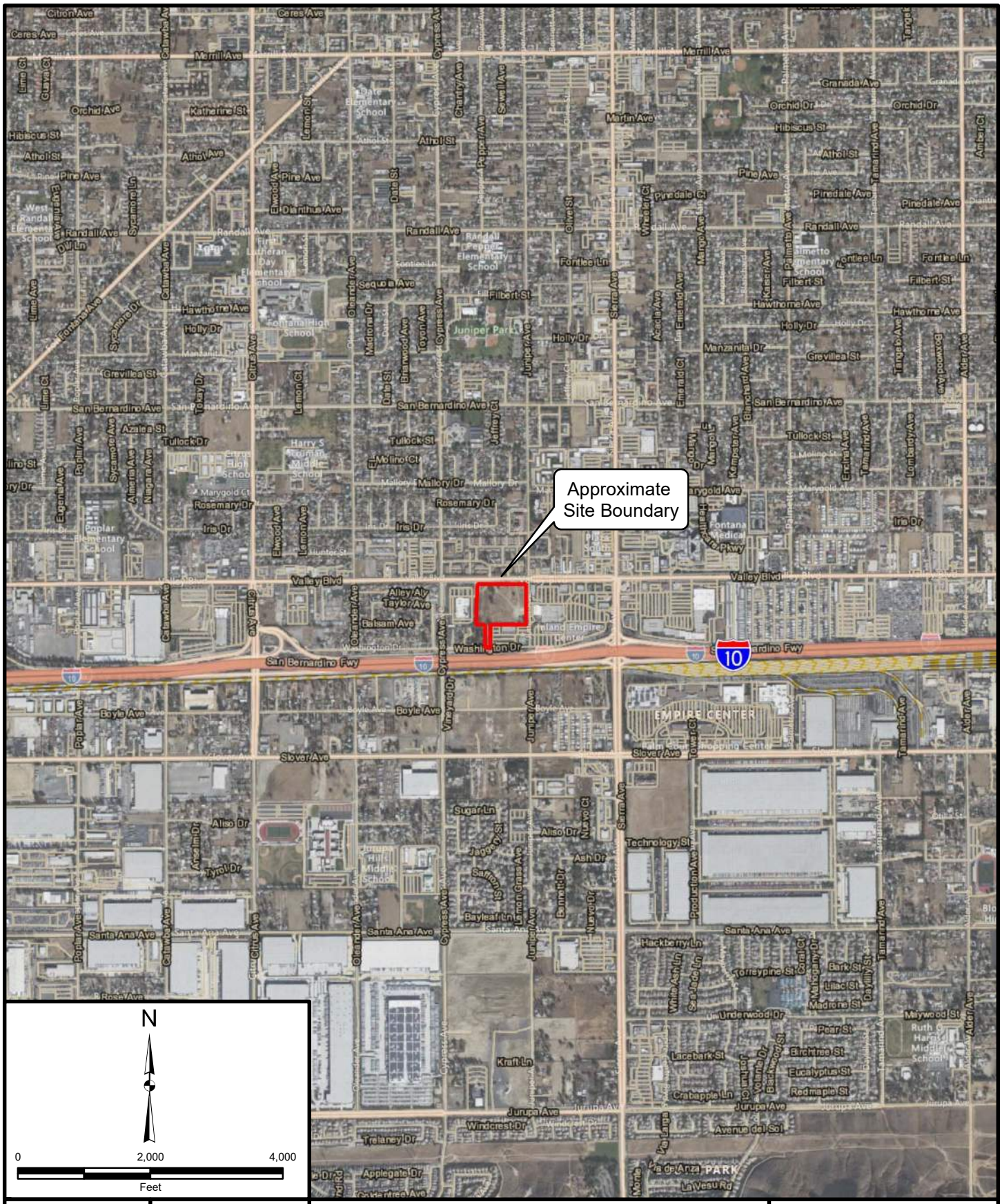
Distribution: (1) Addressee

REFERENCES

California Department of Water Resources, 2022, California Statewide Groundwater Elevation Monitoring (CASGEM) Program, website: https://www.casgem.water.ca.gov/OSS/, accessed October 12, 2022.

Leighton and Associates, Inc., 2022, Geotechnical Due-Diligence Evaluation Proposed Jefferson Fontana Mixed-Use Development, Southwest of the Intersection of Juniper Avenue and Valley Boulevard, City of Fontana, California, Project No. 13584.001, dated June 24, 2022.

SPC Geotechnical Inc., Geotechnical Investigation, AutoFit Fontana, 16655 Valley Boulevard, Fontana, 92335, Project No. SPC 8505-01, dated March 27, 2019.



Project: 13584.003	Eng/Geol: JDH/SGO
Scale:1 " = 2,000 '	Date: October 2022

Reference: Esri, HERE, Garmin, (c) OpenStreetMap contributors

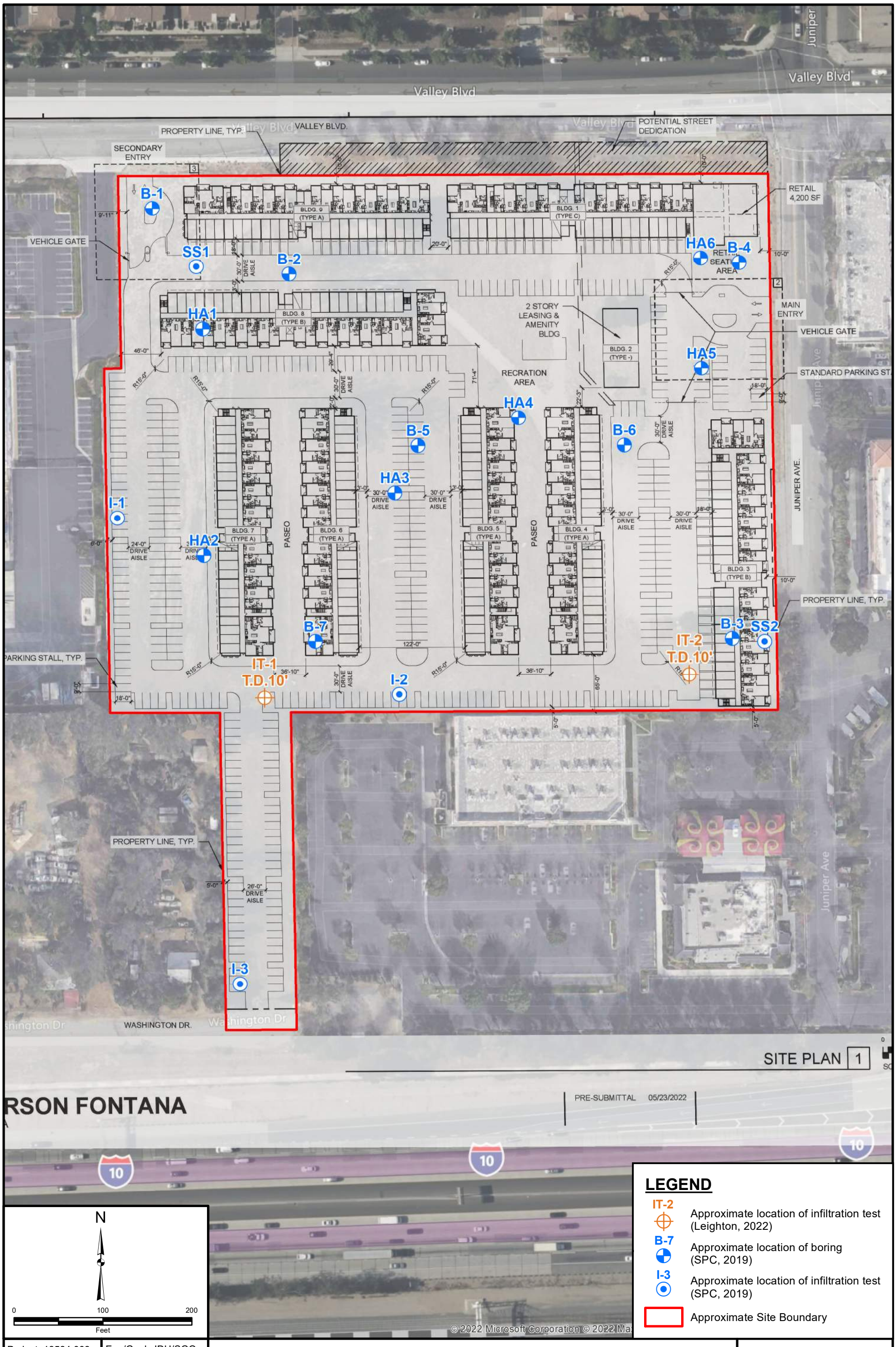
SITE LOCATION MAP

Proposed Jefferson Fontana
Mixed-Use Residential Development
Southwest of the Intersection of
Juniper Avenue and Valley Boulevard
City of Fontana, San Bernardino County, California

FIGURE 1

Leighton

Map Saved as J:\Drafting\13584\001\Maps\13584-001_F01_SLM_2022-06-16.mxd on 6/15/2022 12:44:53 PM Author: KVM (btran)



LEGEND

- IT-2 — Approximate location of infiltration test (Leighton, 2022)
- B-7 — Approximate location of boring (SPC, 2019)
- I-3 — Approximate location of infiltration test (SPC, 2019)
- Approximate Site Boundary

Project: 13584.003	Eng/Geol: JDH/SGO
Scale: 1 " = 100 '	Date: October 2022

Base Map: Site Plan, Sheet A1.0, dated 05/23/2022 by Architecture Design Collaborative (ADC)

Author: (btran)

EXPLORATION LOCATION MAP

Proposed Jefferson Fontana Mixed-use Residential Development
Southwest of the Intersection of Juniper Avenue and Valley Boulevard
City of Fontana, San Bernardino County, California

FIGURE 2

Leighton

Map Saved as J:\Drafting\13584\003\Maps\13584-003_F02_ELM_2022-10-18.mxd on 10/17/2022 4:51:14 PM

APPENDIX A

BORING LOGS

GEOTECHNICAL BORING LOG IT-1

Project No.	13584.003	**Date Drilled**	10-7-22
Project	JPI - Fontana	**Logged By**	AA
Drilling Co.	2R Drilling	**Hole Diameter**	8"
Drilling Method	Hollow Stem Auger - Autohammer	**Ground Elevation**	1104'
Location	See Figure 2 - Exploration Location Map	**Sampled By**	AA

Elevation Feet	Depth Feet	Graphic Log	Attitudes	Sample No.	Blows Per 6 Inches	Dry Density pcf	Moisture Content, %	Soil Class. (U.S.C.S.)	SOIL DESCRIPTION	Type of Tests
		N S							*This Soil Description applies only to a location of the exploration at the time of sampling. Subsurface conditions may differ at other locations and may change with time. The description is a simplification of the actual conditions encountered. Transitions between soil types may be gradual.*	
	0								@Surface: SILTY SAND (SM): brown, slightly moist, fine to coarse sand, 30% fines (field estimate) @1': SAND with SILT and GRAVEL (SW-SM): brown, slightly moist, fine to coarse sand, trace of gravel	
1100	5			S-1	5 8 25			SW-SM	@4.5: Well-graded SAND with SILT and GRAVEL (SW-SM): dense, brown, slightly moist, fine to coarse sand, trace of gravel, 6% fines (lab) Auger chatter, gravel in cuttings	-200
1095	10			S-2	13 17 14			SP-SM SM	@8.5: Poorly-graded SAND with SILT and GRAVEL (SP-SM): dense, brown, slightly moist, fine to coarse sand, trace of gravel, 10% fines, 30% gravel (field estimate) @9: SILTY SAND (SM): brown, slightly moist, fine to medium sand, 39% fines (lab)	SA
1090	15								**TOTAL DEPTH 10 FEET** **NO GROUNDWATER** **CONVERTED TO INFILTRATION BORING, BACKFILLED WITH SOIL CUTTINGS AFTER COMPLETION OF TESTING**	
1085	20									
1080	25									
1075	30									

SAMPLE TYPES:

- B BULK SAMPLE
- C CORE SAMPLE
- G GRAB SAMPLE
- R RING SAMPLE
- S SPLIT SPOON SAMPLE
- T TUBE SAMPLE

TYPE OF TESTS:

- -200 % FINES PASSING
- AL ATTERBERG LIMITS
- CN CONSOLIDATION
- CO COLLAPSE
- CR CORROSION
- CU UNDRAINED TRIAXIAL
- DS DIRECT SHEAR
- EI EXPANSION INDEX
- H HYDROMETER
- MD MAXIMUM DENSITY
- PP POCKET PENETROMETER
- RV R VALUE
- SA SIEVE ANALYSIS
- SE SAND EQUIVALENT
- SG SPECIFIC GRAVITY
- UC UNCONFINED COMPRESSIVE STRENGTH

Leighton

*** This log is a part of a report by Leighton and should not be used as a stand-alone document. ***

GEOTECHNICAL BORING LOG IT-2

Project No.	13584.003	**Date Drilled**	10-7-22
Project	JPI - Fontana	**Logged By**	AA
Drilling Co.	2R Drilling	**Hole Diameter**	8"
Drilling Method	Hollow Stem Auger - Autohammer	**Ground Elevation**	1103'
Location	See Figure 2 - Exploration Location Map	**Sampled By**	AA

Elevation Feet	Depth Feet	Graphic Log (N S)	Attitudes	Sample No.	Blows Per 6 Inches	Dry Density pcf	Moisture Content, %	Soil Class. (U.S.C.S.)	SOIL DESCRIPTION	Type of Tests
	0							SP	@Surface: POORLY GRADED SAND (SP): brown, slightly moist, fine to medium sand, trace of gravel, 5% fines (field estimate) @1': SAND with SILT and GRAVEL (SW-SM): brown, slightly moist, fine to medium sand	
1100				S-1	4 4 5			SW-SM	@3.5: Well-graded SAND with SILT and GRAVEL (SW-SM): loose, brown, slightly moist, fine to medium sand, 20% gravel (field estimate), 11% fines (lab)	-200
	5									
1095				S-2	5 10 14			SM	@8.5: SILTY SAND (SM), medium dense, brown, slightly moist, fine to medium sand, 47% fines (lab)	SA
	10								**TOTAL DEPTH 10 FEET** **NO GROUNDWATER** **CONVERTED TO INFILTRATION BORING, BACKFILLED WITH SOIL CUTTINGS AFTER COMPLETION OF TESTING**	
1090										
	15									
1085										
	20									
1080										
	25									
1075										
	30									

SAMPLE TYPES:

- B BULK SAMPLE
- C CORE SAMPLE
- G GRAB SAMPLE
- R RING SAMPLE
- S SPLIT SPOON SAMPLE
- T TUBE SAMPLE

TYPE OF TESTS:

- -200 % FINES PASSING
- AL ATTERBERG LIMITS
- CN CONSOLIDATION
- CO COLLAPSE
- CR CORROSION
- CU UNDRAINED TRIAXIAL
- DS DIRECT SHEAR
- EI EXPANSION INDEX
- H HYDROMETER
- MD MAXIMUM DENSITY
- PP POCKET PENETROMETER
- RV R VALUE
- SA SIEVE ANALYSIS
- SE SAND EQUIVALENT
- SG SPECIFIC GRAVITY
- UC UNCONFINED COMPRESSIVE STRENGTH

Leighton

*** This log is a part of a report by Leighton and should not be used as a stand-alone document. ***

APPENDIX B

INFILTRATION LOGS

Results of Well Permeameter, from USBR 7300-89 Method

Project:	13584.003
Exploration #/Location:	*IT-1*
Depth Boring drilled, bgs (ft):	10
Tested by:	AA
USCS Soil Type in test zone:	SW-SM & SM
Weather (start to finish):	Sunny
Water Source/pH:	H2O
Measured boring diameter:	8 in.
Depth to GW or aquitard, bgs:	100 ft
Well Prep:	Drilled to 10 feet, bottom 5 feet slotted 2" diameter pipe. #3 sand around anulus

4 in. Well Radius

	ft	in.	Total (in.)
Depth to bottom of well measured from top of auger (or ground su	10. ft		120
Casing stickup measured above top of auger (or ground surface) (	0. ft	0. in.	0
Depth to top of sand from top of casing	4.5 ft	0. in.	

Depth of well bottom below top of casing (in): 120

Initial estimated Depth to Water Surface (in.): 74
Average depth of water in well, "h" (in.): 46
approx. h/r: 11.5
Tu (Fig. 8) (ft): 93.8
Tu>3h?: yes, OK

Cross-sectional area for flow calcs based on Δh

Well pack sand porosity	0.4
Casing outer diameter, in.	2.3
Casing inner diameter, in.	2.1
Cross-sectional area, in.^2	21.9

Use of Barrels:	No
Use of Flow Meter:	Yes
Test Type:	Constant Head

Field Data **Calculations**

Date	Time	Data from Flow Meter		Depth to WL in Boring (measured from top of casing)		Water Temp (deg F)	Refilled?	Δt (min)	Total Elapsed Time (min)	Depth to WL in well (in.)	h, Height of Water in Well (in.)	Δh (in.)	Avg. h	Vol Change (in.^3)			Flow (in^3/ min)	q, Flow (in^3/ hr)	Average Infiltration Surface Area, (in^2)	V (Fig 9)	K20, Coef. Of Perme-ability at 20 deg C (in./hr)	Infiltration Rate [flow/surf area] (in./hr) (FS=1)
		Reading (gallons)	Interval Pulse Count				(or Comments)							from supply	from Δh	Total						
Start Date	Start time:	Gallons		ft	in.																	
10/7/22	13:45																					
10/7/22	13:52	4807.73		6.21					7	74.5	45.5											
10/7/22	13:55	4808.95		6.2				3	10	74.4	45.6	0.12	46	282	-3	279	93	5584		0.8	0.78	3.84
10/7/22	14:00	4811.09		6.2				5	15	74.4	45.6	0	46	494	0	494	99	5932		0.8	0.82	4.03
10/7/22	14:10	4815.49		6.18				10	25	74.2	45.8	0.24	46	1016	-5	1011	101	6067		0.8	0.82	4.07
10/7/22	14:15	4817.48		6.25				5	30	75.0	45.0	-0.84	45	460	18	478	96	5737		0.8	0.79	3.83
10/7/22	14:20	4819.47		6.25				5	35	75.0	45.0	0	45	460	0	460	92	5516		0.8	0.75	3.68
10/7/22	14:37	4826.62		6.25				17	52	75.0	45.0	0	45	1652	0	1652	97	5829		0.8	0.79	3.85
10/7/22	14:40	4827.83		6.23				3	55	74.8	45.2	0.24	45	280	-5	274	91	5485		0.8	0.73	3.58
10/7/22	14:50	4832.05		6.23				10	65	74.8	45.2	0	45	975	0	975	97	5849		0.8	0.77	3.78
10/7/22	15:00	4836.26		6.2				10	75	74.4	45.6	0.36	45	973	-8	965	96	5788		0.8	0.74	3.69
10/7/22	15:10	4840.42		6.18				10	85	74.2	45.8	0.24	46	961	-5	956	96	5734		0.8	0.73	3.61
10/7/22	15:20	4844.64		6.14				10	95	73.7	46.3	0.48	46	975	-11	964	96	5786		0.7	0.71	3.59
10/7/22	15:30	4848.86		6.13				10	105	73.6	46.4	0.12	46	975	-3	972	97	5833		0.7	0.71	3.57
10/7/22	15:40	4853.1		6.13				10	115	73.6	46.4	0	46	979	0	979	98	5877		0.7	0.71	3.57
10/7/22	15:50	4857.33		6.1				10	125	73.2	46.8	0.36	47	977	-8	969	97	5815		0.7	0.69	3.50
10/7/22	16:00	4861.58		6.07				10	135	72.8	47.2	0.36	47	982	-8	974	97	5843		0.7	0.68	3.47
10/7/22	16:10	4865.85		6.05				10	145	72.6	47.4	0.24	47	986	-5	981	98	5887		0.7	0.68	3.46
																			Minimum Rate:			3.46
													Raw Rate for design, prior to application of adjustment factors:									**3.60**

Results of Well Permeameter, from USBR 7300-89 Method

Project:	13584.003
Exploration #/Location:	*IT-2*
Depth Boring drilled, bgs (ft):	10
Tested by:	AA
USCS Soil Type in test zone:	SM
Weather (start to finish):	Sunny
Water Source/pH:	H2O
Measured boring diameter:	8 in.
Depth to GW or aquitard, bgs:	100 ft
Well Prep:	Drilled to 10 feet, bottom 5 feet slotted 2" diameter pipe. #3 sand around anulus

4 in. Well Radius

	ft	in.	Total (in.)
Depth to bottom of well measured from top of auger (or ground surfa	10.4 ft		125
Casing stickup measured above top of auger (or ground surface) (+ i	0. ft	0. in.	0
Depth to top of sand from top of casing	4.5 ft	0. in.	

Depth of well bottom below top of casing (in): 125

Initial estimated Depth to Water Surface (in.):	77
Average depth of water in well, "h" (in.):	48
approx. h/r:	11.9
Tu (Fig. 8) (ft):	93.6
Tu>3h?:	yes, OK

Cross-sectional area for flow calcs based on Δh

Well pack sand porosity	0.4
Casing outer diameter, in.	2.3
Casing inner diameter, in.	2.1
Cross-sectional area, in.^2	21.9

Use of Barrels:	No
Use of Flow Meter:	Yes
Test Type:	Constant Head

Field Data **Calculations**

Date	Time	Data from Flow Meter		Depth to WL in Boring (measured from top of casing)		Water Temp (deg F)	Refilled?	Δt (min)	Total Elapsed Time (min)	Depth to WL in well (in.)	h, Height of Water in Well (in.)	Δh (in.)	Avg. h	Vol Change (in.^3)			Flow (in^3/ min)	q, Flow (in^3/ hr)	Average Infiltration Surface Area, (in^2)	V (Fig 9)	K20, Coef. Of Perme-ability at 20 deg C (in./hr)	Infiltration Rate [flow/surf area] (in./hr) (FS=1)
		Reading (gallons)	Interval Pulse Count				(or Comments)							from supply	from Δh	Total						
Start Date	Start time:	Gallons		ft	in.																	
10/7/22	9:00																					
10/7/22	9:13	4698.25		6.4					13	76.8	48.0											
10/7/22	9:15	4700.04		6.34				2	15	76.1	48.7	0.72	48	413	-16	398	199	11931		0.8	1.49	7.75
10/7/22	9:17	4701.35		6.29				2	17	75.5	49.3	0.6	49	303	-13	289	145	8684		0.8	1.05	5.50
10/7/22	9:20	4703.33		6.23				3	20	74.8	50.0	0.72	50	457	-16	442	147	8832		0.8	1.03	5.47
10/7/22	9:25	4706.66		6.15				5	25	73.8	51.0	0.96	51	769	-21	748	150	8978		0.8	1.01	5.41
							Adjusted Flow															
10/7/22	9:28	4708.3		6.4					28	76.8	48.0											
10/7/22	9:30	4709.18		6.44				2	30	77.3	47.5	-0.48	48	203	11	214	107	6414		0.8	0.79	3.97
10/7/22	9:35	4711.6		6.44				5	35	77.3	47.5	0	48	559	0	559	112	6708		0.8	0.82	4.13
10/7/22	9:40	4714.03		6.4				5	40	76.8	48.0	0.48	48	561	-11	551	110	6610		0.8	0.78	4.02
10/7/22	9:50	4718.84		6.39				10	50	76.7	48.1	0.12	48	1111	-3	1108	111	6651		0.8	0.78	3.99
10/7/22	10:00	4723.65		6.33				10	60	76.0	48.8	0.72	48	1111	-16	1095	110	6572		0.7	0.75	3.88
10/7/22	10:10	4728.48		6.29				10	70	75.5	49.3	0.48	49	1116	-11	1105	111	6631		0.7	0.74	3.84
10/7/22	10:23	4734.76		6.25				13	83	75.0	49.8	0.48	50	1451	-11	1440	111	6647		0.7	0.72	3.79
10/7/22	10:30	4738.14		6.24				7	90	74.9	49.9	0.12	50	781	-3	778	111	6670		0.7	0.72	3.76
10/7/22	10:40	4742.93		6.22				10	100	74.6	50.2	0.24	50	1106	-5	1101	110	6607		0.7	0.70	3.69
10/7/22	10:50	4747.74		6.19				10	110	74.3	50.5	0.36	50	1111	-8	1103	110	6619		0.7	0.69	3.66
10/7/22	11:00	4752.51		6.18				10	120	74.2	50.6	0.12	51	1102	-3	1099	110	6595		0.7	0.68	3.61
10/7/22	11:10	4757.31		6.17				10	130	74.0	50.8	0.12	51	1109	-3	1106	111	6637		0.7	0.68	3.62
10/7/22	11:20	4762.12		6.14				10	140	73.7	51.1	0.36	51	1111	-8	1103	110	6619		0.7	0.67	3.58
							Adjusted Flow															
10/7/22	11:25	4764.28		6.45					145	77.4	47.4											
10/7/22	11:30	4765.94		6.56				5	150	78.7	46.1	-1.32	47	383	29	412	82	4949		0.7	0.59	2.89
10/7/22	11:35	4767.6		6.61				5	155	79.3	45.5	-0.6	46	383	13	397	79	4759		0.7	0.58	2.83
10/7/22	11:40	4769.2		6.64				5	160	79.7	45.1	-0.36	45	370	8	377	75	4530		0.7	0.56	2.72
10/7/22	11:50	4772.42		6.65				10	170	79.8	45.0	-0.12	45	744	3	746	75	4479		0.7	0.55	2.70
10/7/22	12:00	4775.63		6.68				10	180	80.2	44.6	-0.36	45	742	8	749	75	4496		0.7	0.56	2.73
10/7/22	12:10	4778.8		6.7				10	190	80.4	44.4	-0.24	45	732	5	738	74	4425		0.7	0.56	2.71
10/7/22	12:20	4781.96		6.71				10	200	80.5	44.3	-0.12	44	730	3	733	73	4396		0.7	0.56	2.70
10/7/22	12:30	4785.12		6.72				10	210	80.6	44.2	-0.12	44	730	3	733	73	4396		0.7	0.56	2.72
							Adjusted Flow															
10/7/22	12:40	4785.76		6.67					220	80.0	44.8											
10/7/22	12:45	4787.29		6.53				5	225	78.4	46.4	1.68	46	353	-37	317	63	3799		0.7	0.45	2.31
10/7/22	12:50	4788.99		6.55				5	230	78.6	46.2	-0.24	46	393	5	398	80	4775		0.7	0.58	2.87
10/7/22	13:00	4792.08		6.59				10	240	79.1	45.7	-0.48	46	714	11	724	72	4346		0.7	0.54	2.64
10/7/22	13:10	4795.22		6.6				10	250	79.2	45.6	-0.12	46	725	3	728	73	4368		0.7	0.55	2.69
10/7/22	13:15	4797.12		6.62				5	255	79.4	45.4	-0.24	45	439	5	444	89	5330		0.7	0.68	3.31
																			Minimum Rate:			2.31
														Raw Rate for design, prior to application of adjustment factors:								**2.70**

APPENDIX C

LABORATORY TEST RESULTS

PARTICLE-SIZE DISTRIBUTION (GRADATION) of SOILS USING SIEVE ANALYSIS

ASTM D 6913

Project Name:	JPI/Jefferson Fontana/Infiltration	Tested By:	MRV	Date:	10/12/22
Project No.:	13584.003	Checked By:	MRV	Date:	10/13/22
Boring No.:	IT-1	Depth (feet):	9.0		
Sample No.:	S-2B				
Soil Identification:	Silty Sand (SM), Yellowish Brown.				

		Moisture Content of Total Air - Dry Soil	
Container No.:	A	Wt. of Air-Dry Soil + Cont. (g)	456.9
Wt. of Air-Dried Soil + Cont.(g)	456.9	Wt. of Dry Soil + Cont. (g)	452.5
Wt. of Container (g)	279.3	Wt. of Container No._____ (g)	279.3
Dry Wt. of Soil (g)	173.2	Moisture Content (%)	2.5

After Wet Sieve	Container No.	A
	Wt. of Dry Soil + Container (g)	390.2
	Wt. of Container (g)	279.3
	Dry Wt. of Soil Retained on # 200 Sieve (g)	110.9

U. S. Sieve Size (in.)	U. S. Sieve Size (mm.)	Cumulative Weight Dry Soil Retained (g)	Percent Passing (%)
3"	75.000		100.0
1"	25.000		100.0
3/4"	19.000		100.0
1/2"	12.500	0.0	100.0
3/8"	9.500	6.6	96.2
#4	4.750	16.3	90.6
#8	2.360	22.8	86.8
#16	1.180	33.7	80.5
#30	0.600	48.3	72.1
#50	0.300	65.8	62.0
#100	0.150	83.3	51.9
#200	0.075	106.3	38.6
PAN			

GRAVEL: **9 %**

SAND: **52 %**

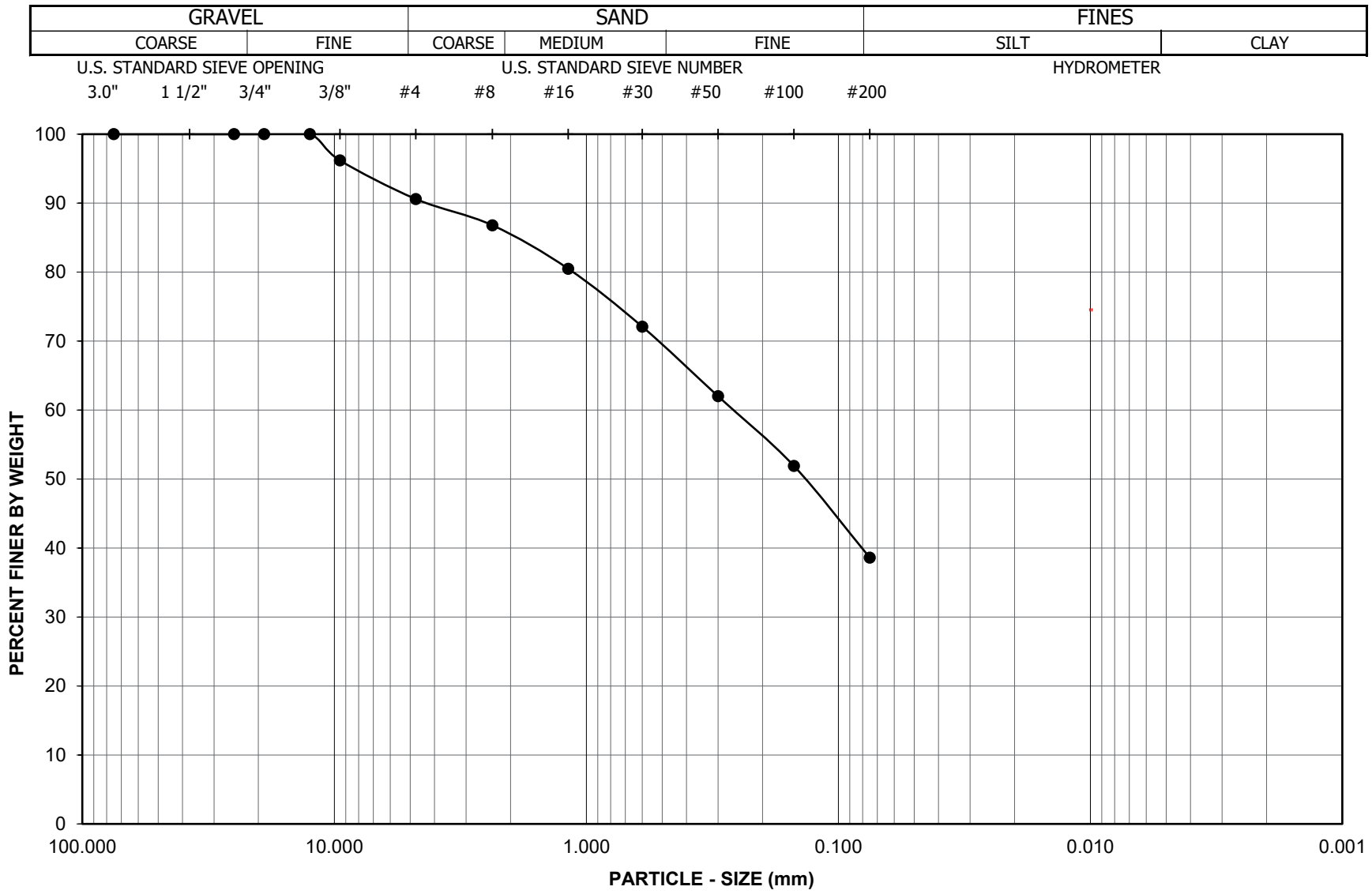
FINES: **39 %**

GROUP SYMBOL: **SM**

Cu = D60/D10 = N/A

Cc = $(D30)^2/(D60*D10)$ = N/A

Remarks:



Project Name: JPI/Jefferson Fontana/Infiltration

Project No.: 13584.003

Boring No.: IT-1 Sample No.: A-2B

Depth (feet): 9.0 Soil Type : SM

Soil Identification: Silty Sand (SM), Yellowish Brown.

GR:SA:FI : (%) 9 : 52 : 39

Leighton

PARTICLE - SIZE DISTRIBUTION ASTM D 6913

Oct-22

PARTICLE-SIZE DISTRIBUTION (GRADATION) of SOILS USING SIEVE ANALYSIS

ASTM D 6913

Project Name:	JPI/Jefferson Fontana/Infiltration	Tested By:	MRV	Date:	10/12/22
Project No.:	13584.003	Checked By:	MRV	Date:	10/13/22
Boring No.:	IT-2	Depth (feet):	8.5		
Sample No.:	S-2				
Soil Identification:	Silty Sand (SM), Yellowish Brown.				

		Moisture Content of Total Air - Dry Soil	
Container No.:	B	Wt. of Air-Dry Soil + Cont. (g)	629.8
Wt. of Air-Dried Soil + Cont.(g)	629.8	Wt. of Dry Soil + Cont. (g)	622.0
Wt. of Container (g)	278.5	Wt. of Container No._____ (g)	278.5
Dry Wt. of Soil (g)	343.5	Moisture Content (%)	2.3

After Wet Sieve	Container No.	B
	Wt. of Dry Soil + Container (g)	484.6
	Wt. of Container (g)	278.5
	Dry Wt. of Soil Retained on # 200 Sieve (g)	206.1

U. S. Sieve Size (in.)	U. S. Sieve Size (mm.)	Cumulative Weight Dry Soil Retained (g)	Percent Passing (%)
3"	75.000		100.0
1"	25.000		100.0
3/4"	19.000	0.0	100.0
1/2"	12.500	17.6	94.9
3/8"	9.500	27.4	92.0
#4	4.750	47.4	86.2
#8	2.360	61.8	82.0
#16	1.180	73.6	78.6
#30	0.600	85.6	75.1
#50	0.300	104.2	69.7
#100	0.150	129.5	62.3
#200	0.075	182.9	46.8
PAN			

GRAVEL: **14 %**

SAND: **39 %**

FINES: **47 %**

GROUP SYMBOL: **SM**

Cu = D60/D10 = N/A

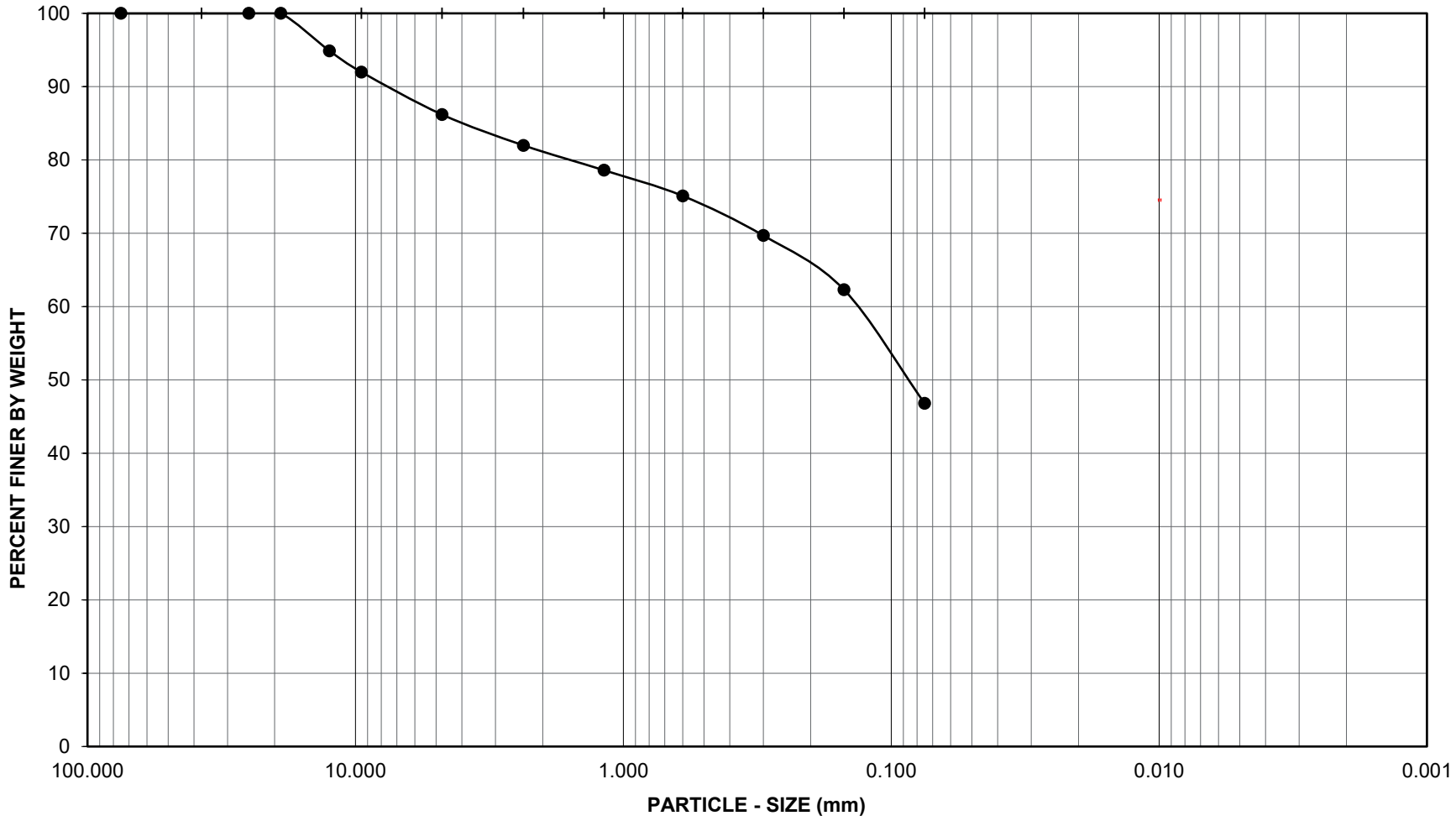
Cc = $(D30)^2/(D60*D10)$ = N/A

Remarks:

GRAVEL		SAND			FINES	
COARSE	FINE	COARSE	MEDIUM	FINE	SILT	CLAY

U.S. STANDARD SIEVE OPENING — U.S. STANDARD SIEVE NUMBER — HYDROMETER

3.0" 1 1/2" 3/4" 3/8" #4 #8 #16 #30 #50 #100 #200



Project Name: JPI/Jefferson Fontana/Infiltration

Project No.: 13584.003

Boring No.: IT-2 Sample No.: S-2

Depth (feet): 8.5 Soil Type : SM

Soil Identification: Silty Sand (SM), Yellowish Brown.

GR:SA:FI : (%) 14 : 39 : 47

Leighton

PARTICLE - SIZE DISTRIBUTION ASTM D 6913

Oct-22

Boring No.	IT-1	IT-2						
Sample No.	S-1	S-1						
Depth (ft.)	4.5	3.5						
Sample Type	SPT	SPT						
Soil Classification	(SW-SM)g	(SW-SM)g						
Soak Time (min)	10	10						
Moisture Correction								
Wet Weight of Soil + Container (gm.)	810.5	679.6						
Dry Weight of Soil + Container (gm.)	805.5	673.2						
Weight of Container (gm)	278.7	279.8						
Moisture Content (%)	0.9	1.6						
Container No.:	F	W						
Sample Dry Weight Determination								
Weight of Sample + Container (gm.)	805.5	673.2						
Weight of Container (gm.)	278.7	279.8						
Weight of Dry Sample (gm.)	526.8	393.4						
Container No.:	F	W						
After Wash								
Dry Weight of Sample + Container (gm)	774.5	628.0						
Weight of Container (gm)	278.7	279.8						
Dry Weight of Sample (gm)	495.8	348.2						
% Passing No. 200 Sieve	**6**	**11**						
% Retained No. 200 Sieve	94	89						

Leighton

PERCENT PASSING
No. 200 SIEVE
ASTM D 1140

Project Name: JPI/Jefferson Fontana/Infiltration
Project No.: 13584.003
Client Name: JPI Companies
Tested By: M. Vinet Date: 10/12/22

APPENDIX F

WQMP CERTIFICATION AND MEMORENDAM OF AGREEMENT

RECORDING REQUESTED BY:

CITY OF FONTANA
ENGINEERING DEPARTMENT
8353 SIERRA AVENUE,
FONTANA CA 92335

SPACE ABOVE FOR RECORDER'S USE ONLY

Memorandum of Agreement for Water Quality Management Plan and Storm Water BMP Transfer, Access and Maintenance

OWNER/APPLICANT NAME: _____
PROPERTY ADDRESS: _____

_____

APN: _____

THIS Memorandum of Agreement hereinafter referred to as "Agreement" is made and entered on this _____ day of _____, _____ by the undersigned herein after referred to as "Owner" and the City of Fontana, a municipal corporation, located in the County of San Bernardino, State of California hereinafter referred to as "CITY";

WHEREAS, the Owner owns real property ("Property") in the City of Fontana, County of San Bernardino, State of California, more specifically described in Exhibit "A" and depicted in Exhibit "B", each of which exhibits is attached hereto and incorporated herein by this reference;

WHEREAS, at the time of initial approval of development project within the Property described above, the City required the project to employ Best Management Practices, hereinafter referred to as "BMPs," to minimize pollutants in urban runoff;

WHEREAS, the Owner has chosen to install and/or implement BMPs as described in the Water Quality Management Plan as described in Exhibit "C" and on file with the City, hereinafter referred to as "WQMP", to minimize pollutants in urban runoff and to minimize other adverse impacts of urban runoff;

WHEREAS, said WQMP has been certified by the Owner and reviewed and approved by the City;

WHEREAS, said BMPs, with installation and/or implementation on private property and draining only private property, are part of a private facility with all maintenance or replacement, therefore, the sole responsibility of the Owner;

WHEREAS, the Owner is aware that periodic and continuous maintenance, including, but not necessarily limited to, filter material replacement and sediment removal, is required to assure peak performance of all BMPs in the WQMP and that, furthermore, such maintenance activity will require compliance with all Local, State, or Federal laws and regulations, including those pertaining to confined space and waste disposal methods, in effect at the time such maintenance occurs;

NOW THEREFORE, it is hereby agreed by the Owner as follows:

1. Owner hereby provides the City of City's designee complete access, of any duration, to the BMPs and their immediate vicinity at any time, upon reasonable notice, or in the event of emergency, as determined by City's Director of Public Works no advance notice, for the purpose of inspection, sampling, testing of the Device, and in case of emergency, to undertake all necessary repairs or other preventative measures at owner's expense as provided in paragraph 3 below. City shall make every effort at all times to minimize or avoid interference with Owner's use of the Property.

2. Owner shall use its best efforts diligently to maintain all BMPs in a manner assuring peak performance at all times. All reasonable precautions shall be exercised by Owner and Owner's representative or contractor in the removal and extraction of any material(s) from the BMPs and the ultimate disposal of the material(s) in a manner consistent with all relevant laws and regulations in effect at the time. As may be requested from time to time by the City, the Owner shall provide the City with documentation identifying the material(s) removed, the quantity, and disposal destination.

3. In the event Owner, or its successors or assigns, fails to accomplish the necessary maintenance contemplated by this Agreement, within five (5) days of being given written notice by the City, the City is hereby authorized to cause any maintenance necessary to be done and charge the entire cost and expense to the Owner or Owner's successors or assigns, including administrative costs, attorneys fees and interest thereon at the maximum rate authorized by the Civil Code from the date of the notice of expense until paid in full.

4. the Owner agrees to hold the City, its officials, officers, employees, volunteers, and agents free and harmless from any and all claims, demands, causes of action, costs, expenses, liability, loss, damage, or injury, in law or equity, to property or persons, arising from the imposition of the plan by the City;

5. The City may require the owner to post security in form and for a time period satisfactory to the city to guarantee the performance of the obligations state herein. Should the Owner fail to perform the obligations under the Agreement, the City may, in the case of a cash bond, act for the Owner using the proceeds from it, or in the case of a surety bond, require the sureties to perform the obligations of the Agreement. As an additional remedy, the Director may withdraw any previous storm water-related approval with respect to the property on which BMPs have been installed and/or implemented until such time as Owner repays to City its reasonable costs incurred in accordance with paragraph 3 above.

6. This agreement shall be recorded in the Office of the Recorder of San Bernardino County, California, at the expense of the Owner and shall constitute notice to all successors and assigns of the title to said Property of the obligation herein set forth, and also a lien in such amount as will fully reimburse the City, including interest as herein above set forth, subject to foreclosure in event of default in payment.

7. In event of legal action occasioned by any default or action of the Owner, or its successors or assigns, then the Owner and its successors or assigns agree(s) to pay all costs incurred by the City in enforcing the terms of this Agreement, including reasonable attorney's fees and costs, and that the same shall become a part of the lien against said Property.

8. It is the intent of the parties hereto that burdens and benefits herein undertaken shall constitute covenants that run with said Property and constitute a lien there against.

9. The obligations herein undertaken shall be binding upon the heirs, successors, executors, administrators and assigns of the parties hereto. The term "Owner" shall include not only the present Owner, but also its heirs, successors, executors, administrators, and assigns. Owner shall notify any successor to title of all or part of the Property about the existence of this Agreement. Owner shall provide such notice prior to such successor obtaining an interest in all or part of the Property. Owner shall provide a copy of such notice to the City at the same time such notice is provided to the successor.

10. This Agreement shall not be amended, modified or terminated without the prior written consent of the City, which consent to be effective, shall be contained in a document executed by the City and recorded against the Real Property.

OWNER:

Owner/Applicant Name: _____

Owner/Applicant Signature: _____

Date: _____

NOTARY

Notary acknowledgement is required for recordation (attach appropriate acknowledgement).

(INSERT NOTARY ACKNOWLEDGEMENT PAGE HERE)

EXHIBIT A
(Legal Description)

EXHIBIT B
(Map/illustration)

EXHIBIT C
WQMP Exhibit

Appendix H
Noise and Vibration Memorandum

DUDEK
621 CHAPALA STREET
SANTA BARBARA, CALIFORNIA 93101
T 805.963.0651 F 805.963.2074

MEMORANDUM

To:	Jared Samnet, Development Associate, JPI
From:	Mark Storm, INCE Bd. Cert. (Dudek - Acoustic Services Manager); Cole Martin, INCE
Subject:	**Noise and Vibration Assessment for the JPI Jefferson Fontana Project Mitigated Negative Declaration**
Date:	November 15, 2022
Cc:	Kristen Stoner, Dudek
Attachments:	Figure 1. Project Location Figure 2. Noise Measurement Locations Figure 3. Aggregate Stationary Sources Operational Noise Level Prediction Attachment A: Summary of Acoustical Concepts Attachment B: Photographs of Measurement Locations and Field Notes Attachment C: Construction Noise Prediction Model Worksheets Attachment D: Traffic Noise Model Calculations

Dudek is pleased to submit this noise and vibration technical assessment to assist JPI with Mitigated negative Declaration (MND) requirements for the proposed Jefferson Fontana Project (project), located in the City of Fontana (City) as shown in Figure 1.

This technical memorandum presents environmental impact assessment criteria for noise and vibration, and by way of quantitative predictive analyses evaluates potential impacts from construction and operation of the project in accordance with the California Environmental Quality Act (CEQA) Guidelines. Attachment A provides the reader a summary of acoustical fundamentals and glossary of acoustical descriptors that are used to frame the noise and vibration assessment herein.

The contents and organization of this memorandum are as follows:

- Section 1, Project Description
- Section 2, Existing Noise Conditions
- Section 3, Regulatory Setting
- Section 4, Thresholds of Significance
- Section 5, Analysis Methodologies
- Section 6, Impacts Analysis
- Section 7, References Cited

1 Project Description

The project will be located on Assessor's Parcel Numbers (APN's) 025-117-119, 025-132-117, -118, -119, -120, 121, -122, -123, -124, -125, -126, -127, and -135, which includes an 11.59-acre parcel of predominantly undeveloped, relatively flat land bound by asphalt-paved public rights-of-way, commercial and residential development. Dudek understands that JPI is considering purchase of the property to develop a mixed-use project. The property on which the project is proposed (project site) is bound by Cypress Avenue to the west, Valley Boulevard to the north, Interstate 10 to the south, and Juniper Avenue to the east. Exhibit A displays the project site plan used for the noise and vibration analyses presented herein.

Exhibit A – Project Site Plan



2 Existing Noise Conditions

Noise measurements were conducted at three (3) representative positions in the vicinity of the project site on November 11, 2022 to characterize the existing outdoor ambient sound levels. The noise measurement locations are shown in Figure 2. Table 1 provides a summary of the noise measurement results as well as the locations, date, and times the noise level measurements were performed. As shown in Table 1, short-term (15 minutes duration)

noise levels ranged from approximately 65 dBA L_{eq} (at location ST1) to 69 dBA L_{eq} (at location ST2). The measurements were conducted by an attending Dudek investigator with a SoftdB "Piccolo" model sound level meter equipped with a windscreen-protected, 0.5-inch diameter pre-polarized condenser microphone with pre-amplifier. The sound level meter meets the current American National Standards Institute (ANSI) standard for a Type 2 (General Use) sound level meter. The accuracy of the sound level meter was verified using a field calibrator before and after the measurements, and the measurements were conducted with the microphone positioned approximately 5 feet above the ground.

Table 1. Measured Outdoor Ambient Noise Levels

Survey Location	Location (and noted sounds)	Date	Time	L_{eq} (dBA)	L_{max} (dBA)	L_{min} (dBA)
ST1	Northeast corner of the parking lot at 10200 Juniper Ave. (distant traffic, rustling leaves)	11/11/22	12:04 p.m. – 12:19 p.m.	64.9	74.6	58.8
ST2	Northern side of the project site (distant traffic, rustling leaves)	11/11/22	12:24 p.m. – 12:39 p.m.	68.9	77.7	53.7
ST3	Eastern side of the project site; across from 16711 Valley Blvd. (distant conversations/yelling, distant industrial, distant traffic, rustling leaves)	11/11/22	11:47 a.m. – 12:02 p.m.	66.8	78.0	57.2

Notes: L_{eq} = equivalent continuous sound level (time-averaged sound level); dBA = A-weighted decibels; L_{max} = maximum sound level during the measurement interval; L_{min} = minimum sound level during the measurement interval. See Figure 2 for measurement locations.

Attachment B provides sample digital photographs of the field noise level survey locations, followed by Dudek investigator field notes.

3 Regulatory Setting

3.1 Federal

There are no federal noise standards that would directly regulate environmental noise during construction and operation of the project. The following is provided because guidance summarized herein is used or pertains to the analysis.

3.1.1 Federal Transit Administration (FTA)

Although intended for federally funded mass transit projects, selected impact assessment procedures and criteria included in the aforementioned FTA guidance manual are routinely used for projects proposed by or under the jurisdiction of counties or municipalities. For example, a daytime construction noise level threshold of 80 dBA L_{eq} over an 8-hour period (FTA 2018) is recommended guidance for the exterior of residential land uses when local noise regulations or other quantified standards are lacking.

3.1.2 Federal Interagency Committee on Noise

Some guidance regarding the determination of a substantial permanent increase in ambient noise levels in the project vicinity above existing levels is provided by the 1992 findings of the Federal Interagency Committee on Noise (FICON 1992), which assessed the annoyance effects of changes in ambient noise levels resulting from aircraft operations. The FICON recommendations are based upon studies that relate aircraft and traffic noise levels to the percentage of persons highly annoyed by the noise. Annoyance is a qualitative measure of the adverse reaction of people to noise that generates speech interference, sleep disturbance, or interference with the desire for a tranquil environment.

The rationale for the FICON recommendations is that it is possible to consistently describe the annoyance of people exposed to transportation noise in terms of L_{dn}. The changes in noise exposure that are shown below are expected to result in equal changes in annoyance at sensitive land uses. Although the FICON recommendations were specifically developed to address aircraft noise impacts, they are used in this analysis to define a substantial increase in community noise levels related to all transportation noise sources and permanent non-transportation noise sources.

- Outdoor ambient sound level without the project is less than 60 dBA L_{dn}, then a project-attributed increase of 5 dBA or more would be considered significant;
- Outdoor ambient sound level without the project is between 60 and 65 dBA L_{dn}, project-attributed increase of 3 dBA or more would be considered significant; and
- Outdoor ambient sound level without the project is greater than 65 dBA L_{dn}, then project-attributed increase of 2 dBA or more would be considered significant.

3.2 State

The following state regulations and guidance pertaining to noise and vibration assessment would apply to the proposed project.

3.2.1 California Noise Control Act of 1973

Sections 46000 through 46080 of the California Health and Safety Code, known as the California Noise Control Act of 1973, declares that excessive noise is a serious hazard to the public health and welfare and that exposure to certain levels of noise can result in physiological, psychological, and economic damage. It also identifies a continuous and increasing bombardment of noise in the urban, suburban, and rural areas. The California Noise Control Act declares that the State of California has a responsibility to protect the health and welfare of its citizens by the control, prevention, and abatement of noise. It is the policy of the State to provide an environment for all Californians free from noise that jeopardizes their health or welfare.

3.2.2 California Department of Transportation

The California Department of Transportation (Caltrans) provides guidelines regarding vibration associated with construction and operation of transportation infrastructure, which can also be applied to construction of non-transportation projects involving the same equipment and processes. Similar to the aforementioned FTA guidance

summarized in Section 3.1.2, Caltrans recommends 0.3 ips PPV as a building damage risk threshold for "older residential structures" exposed to "intermittent" sources of groundborne vibration (Caltrans 2020). For occupants of those types of homes, Caltrans suggests a "severe" annoyance standard of 0.4 ips PPV.

3.3 City of Fontana

The following local regulations and guidance pertaining to noise and vibration assessment would apply to the proposed project.

3.3.1 General Plan Update

The City's General Plan Update 2015-2035 (City of Fontana 2018) adopted on November 18, 2018 provides goals and policies pertaining to noise and vibration concerns that include the following reproduced from its Noise and Safety element (Chapter 11):

- Goal 11.8: the City of Fontana protects sensitive land uses from excessive noise by diligent planning though 2035.
    - Policy 11.8.1 New sensitive land uses shall be prohibited in incompatible areas.
    - Policy 11.8.2 Noise-tolerant land uses shall be guided into areas irrevocably committed to land uses that are noise-producing, such as transportation corridors.
    - Policy 11.8.3 Where sensitive uses are to be placed along transportation routes, mitigation shall be provided to ensure compliance with state-mandated noise levels.
    - Policy 11.8.4 Noise spillover or encroachment from commercial, industrial and educational land uses shall be minimized into adjoining residential neighborhoods or noise-sensitive uses.
- Goal 11.9: The City of Fontana provides a diverse and efficiently operated ground transportation system, that generates the minimum feasible noise on its residents through 2035.
    - Policy 11.9.1 All noise sections of the State Motor Vehicle Code shall be enforced.
- Goal 11.10: Fontana's residents are protected from the negative effects of "spillover" noise.
    - Policy 11.10.1 Residential land uses and areas identified as noise-sensitive shall be protected from excessive noise from non-transportation sources including industrial, commercial, and residential activities and equipment.

3.3.2 Municipal Code

The City Municipal Code Chapters 18 and 30 regulate noise on the basis of noise increment to the pre-existing ambient attributed to a source of concern. Per *Chapter 18, Nuisances, Article II – Noise, Sec. 18-63(b)(4), (6), (7), and (10)*, a variety of sound source types can violate the municipal code if they create loud, excessive, impulsive or intrusive noise that annoys or disturbs people from a distance of 50 feet or more from the edge of the property, structure or unit in which the source is located. Such sources include un-muffled engine exhausts, loading or

unloading of vehicles, building construction and repair outside of allowable hours, and the operation of heavy construction equipment or processes such as pile-driving.

Chapter 30, Article V, Division 6, Sec. 30-469-Noise prohibits the creation or cause of any sound that exceeds an exterior limit of 65 dBA. Should project construction activities take place between the hours of 6:00 p.m. to 7:00 a.m. on weekdays and 5:00 p.m. to 8:00 a.m. on Saturday, this 65 dBA limit would apply. Additionally, the City relies on the 24-hour CNEL descriptor to assess land use compatibility with transportation related noise sources.

Although the City does not specify a quantified threshold with respect to allowable vibration exposure, Chapter 30, Article V, Division 6, Sec. 30-470-Vibration of the Municipal Code prohibits the creation or cause of any vibration that can be perceived beyond the property line with or without the aid of an instrument. For purposes of assessing project-attributed impact, the analysis herein adopts the FTA's maximum acceptable continuous vibration threshold of 0.2 in/sec PPV.

4 Thresholds of Significance

The State of California has developed guidelines to address the significance of noise impacts based on Appendix G of the CEQA Guidelines (14 CCR 15000 et seq.), which provides guidance that a project would have a significant environmental impact if it would:

1. Generate a substantial temporary or permanent increase in ambient noise levels in the vicinity of the project in excess of standards established in the local general plan or noise ordinance, or applicable standards of other agencies.

2. Generate excessive groundborne vibration or groundborne noise levels.

3. Expose people residing or working in the project area to excessive noise levels within the vicinity of a private airstrip or an airport land use plan or, where such a plan has not been adopted, within two miles of a public airport or a public use airport.

Quantitative thresholds of significance have been established for the purposes of this impact assessment, based on relevant federal guidance, State requirements, and local polices and regulations described in Section 3, and are listed below.

- Should construction activities occur outside of the City's allowable daytime construction hours, the exterior noise limit of 65 dBA would apply;

- Because the City lacks a quantified construction noise level limit, the FTA guidance-based construction noise threshold of 80 dBA eight-hour L_{eq} at nearest offsite residences is adopted herein;

- A change to the existing outdoor ambient sound environment of more than 3 dBA CNEL due to project-attributed added construction traffic to traffic flows on existing roadways (i.e., Valley Boulevard); and

- Guidance from Caltrans indicates that groundborne vibration velocity of 0.3 ips PPV received at an older residential structure typical of the project surroundings would be considered a potential building damage

risk; and occupants within would likely be annoyed (and thus impacted) if perceived vibration levels were greater than 0.4 ips PPV.

5 Analysis Methodologies

5.1 Construction Noise

Construction noise is considered a short-term impact and would be considered significant if construction activities exceed the allowable hours of operation as permitted by the FTA's advisory threshold of 80 dBA L_{eq} over an 8-hour daytime period at a residential land use. Noise-sensitive land uses in the vicinity of the project include residences to the south, east, and north of the project site. Although additional residences and other noise-sensitive receivers are further afield, the construction noise assessment focused on project-attributed noise exposure levels predicted to occur at these nearest existing residences. Construction noise levels at more distant receivers would be substantially lower, consistent with established acoustical principles of attenuation with geometric divergence and other factors.

Project-generated construction noise will vary depending on the construction process, the type of equipment involved, the location of the construction site with respect to sensitive receptors, the schedule proposed to carry out each task (e.g., hours and days of the week), and the duration of the construction work. Using information provided by the project applicant as well as typical equipment identified by CalEEMod for this type and size of development, project construction noise per each of six distinct phases was calculated using a spreadsheet-based model emulating the Federal Highway Administration (FHWA) Roadway Construction Noise Model (FHWA 2008). Table 2 presents the equipment list used for the construction noise analysis.

Table 2. Construction Equipment Assumptions by Phase

Potential Construction Phase	Start Date	Finish Date	One-Way Vehicle Trips			Equipment		
			Average Daily Workers	Average Daily Vendor Trucks	Total Haul Trucks	Type	Quantity	Usage Hours
Site Preparation	1/02/2023	1/13/2023	18	6		Rubber Tired Dozers	3	8
						Tractors/Loaders/ Backhoes	4	8
Grading	1/14/2023	2/24/2024	20	6		Excavators	2	8
						Graders/Blades	1	8
						Rubber Tired Dozers	1	8
						Scrapers	2	8
						Tractors/Loaders/ Backhoes	2	8
Building	2/25/2023	4/19/2023	430	92	0	Cranes	1	8

Table 2. Construction Equipment Assumptions by Phase

Potential Construction Phase	Start Date	Finish Date	One-Way Vehicle Trips			Equipment		
			Average Daily Workers	Average Daily Vendor Trucks	Total Haul Trucks	Type	Quantity	Usage Hours
Construction						Forklifts	3	8
						Generator Sets	1	8
						Tractors/Loaders/ Backhoes	3	8
						Welders	1	8
Paving	4/20/2023	5/17/2024	16	6	0	Pavers	2	8
						Paving Equipment	2	8
						Rollers	2	8
Architectural Coating	5/18/2024	6/14/2024	86	0	0	Air Compressors	1	8

Using the provided construction information, prediction results are summarized at the nearest noise-sensitive receptor (the residence to the south of the Project site) for two calculation scenarios as follows:

- Usage of the shortest activity-to-receptor distance for the loudest equipment type and quantity associated with the studied construction phase, with less noisy equipment types at successive distance increments of 50 feet; and
- An "acoustic centroid" approach, akin to the FTA general assessment technique for estimating construction noise, whereby all listed equipment for a construction phases is represented by a common location at the geographic center of the studied construction zone or area.

The first of these methods is considered a conservative approach to assess what might be characterized as a peak exposure level, applicable to not more than approximately 10%–15% of the total construction period and when the studied construction activity is taking place with loudest equipment along the property boundary closest to these nearest off-site receivers. This "nearest" method also assumes that only one piece of equipment per type within a studied activity phase would be at these nearest distances; otherwise, most of the equipment would unrealistically "stack" near the boundary line and not be working other areas of the construction site. The second approach utilizes the acoustic centroid technique to represent a time-averaged location for the phase equipment and activity, thereby yielding average noise levels to represent overall noise exposure as experienced for adjacent receivers over the duration of each construction phase. Attachment C displays the construction noise model worksheets, and their input parameters, for each of these analysis approaches.

5.2 Construction Vibration

The main concern associated with ground-borne vibration is annoyance; however, in extreme cases, vibration can cause damage to buildings, particularly those that are old or otherwise fragile. Some common sources of ground-

borne vibration are trains, and construction activities such as blasting, pile-driving, and heavy earth-moving equipment. The primary source of ground-borne vibration occurring as part of the project is construction activity.

Ground-borne vibration information related to construction/heavy equipment activities has been collected by Caltrans. Information from Caltrans indicates that transient vibrations (such as from construction activity) with approximately 0.035 ips PPV may be characterized as barely perceptible, and vibration levels of 0.24 inches per second PPV may be characterized as distinctly perceptible (Caltrans 2020).

The attenuation of groundborne vibration as it propagates from source to receptor through intervening soils and rock strata can be estimated with expressions found in FTA and Caltrans guidance. By way of example, for a large bulldozer (having a reference vibration velocity of 0.089 ips PPV [FTA 2018]) operating on site and as close as the project boundary (i.e., approximately 20 feet from the nearest receiving sensitive land use) the estimated vibration velocity level would be less than 0.12 ips PPV per the equation as follows:

$PPV_{rcvr} = PPV_{ref} * (25/D)^{1.5} = 0.12 = 0.089 * (25/20)^{1.5}$

In the above equation, PPV_{rcvr} is the predicted vibration velocity at the receiver position, PPV_{ref} is the reference value at 25 feet from the vibration source (the roller), and D is the actual horizontal distance (in feet) to the receiver.

5.3 Operation Noise

5.3.1 Offsite Roadway Traffic

The project is expected to generate a total of 2,170 trips to the roadway system. As shown in Table 1 of the project's Transportation Technical Memorandum, during the PM peak-hour, approximately 184 vehicles are estimated to enter or exit the project site. Utilizing this information, as well as additional traffic data shown in Attachment D, an emulator based on the FHWA's Highway Traffic Noise Prediction Model RD-77-108 was used to estimate potential noise impacts at adjacent noise-sensitive uses. Consistent with Caltrans guidance (Caltrans, 2013), this analysis assumes 80% of the ADT occurs during daytime hours (7:00 a.m. to 7:00 p.m.), 5% during the evening (7:00 p.m. to 10:00 p.m.), and 15% during the nighttime (10:00 p.m. to 7:00 a.m.). The truck percentages used in the noise model for existing arterials were 2.0% medium trucks and 1.0% heavy trucks, generally consistent with similar studies where such arterial roadways accept truck traffic.

The change in roadway noise levels was predicted for two conditions: existing and existing plus project. Traffic noise level predictions presented in Table 3 are calculated for the Valley Boulevard – Cypress Avenue to Juniper Avenue roadway segment bounded by intersections within the project area.

Table 3. Predicted Roadway Noise Change – Existing plus Project

Modeled Roadway Segment	Existing (2022) Noise Level (dBA CNEL)	Existing (2022) Plus Project Noise Level (dBA CNEL)	Project-Related Noise Level Increase (dBA)
Valley Blvd: Cypress Ave – Juniper Ave.	69.2	69.6	0.4

Source: Attachment D.

In the context of community noise (i.e., outside of a controlled environment) a change in noise levels of less than 3 dBA is not perceptible to the average human listener. Additionally, based upon the FICON thresholds presented in Section 3.1.2, an increase of less than 5 dBA when the ambient sound level is less than 60 dBA L_{dn}/CNEL, less than 3 dBA when the ambient sound level is less than between 60 and 65 dBA L_{dn}/CNEL, or less than 2 dBA when the ambient sound level is greater than 65 dBA L_{dn}/CNEL would not be substantial.

5.3.2 Onsite Stationary Sources

Implementation of the project would result in changes to existing noise levels on and around the project site by developing new stationary sources of noise, including introduction of additional outdoor HVAC equipment. These sources may affect noise-sensitive vicinity land uses off the project site.

Rooftop HVAC

Based on the available architectural and mechanical roof plans and other design information for the proposed project, there are a number of residential HVAC units on each of the residential and commercial project buildings, with a total of 441 units. Rooftop HVAC reference sound levels were available from the design plans and "product data" information submittals.

Sound Propagation Prediction

The aggregate noise emission from these outdoor-exposed HVAC sound sources has been predicted with the Datakustik CadnaA sound propagation program. CadnaA is a commercially available software program for the calculation, presentation, assessment, and prediction of environmental noise based on algorithms and reference data per International Organization of Standardization (ISO) Standard 9613-2, "Attenuation of Sound During Propagation Outdoors, Part 2: General Method of Calculation" (ISO 1996). The CadnaA computer software allows one to position sources of sound emission in a simulated three-dimensional (3-D) space atop rendered "blocks" of project building masses having heights and footprints consistent with project architectural plans and elevations. In addition to the above-mentioned sound source inputs and building-block structures that define the three-dimensional sound propagation model space, the following assumptions and parameters are included in this CadnaA-supported stationary noise source assessment:

- Ground effect acoustical absorption coefficient equal to 0.2, which intends to represent an average or blending of ground covers that are characterized largely by hard reflective pavements and existing building surfaces across the Project site and the surroundings;
- Reflection order of 1, which allows for a single reflection of sound paths on encountered structural surfaces such as the modeled building masses;

- Off-site residential structures and the commercial buildings have not been rendered in the model;
- Calm meteorological conditions (i.e., no wind) with 68 degrees Fahrenheit and 50% relative humidity; and
- All of the modeled HVAC equipment is operating concurrently and continuously for a minimum period of 1 hour.

Table 4 presents the predicted aggregate noise level exposures from these operating HVAC systems at each of five (5) nearby offsite noise-sensitive receptors (i.e., existing residences). Predicted levels shown in Table 4 range between 32 to 36 dBA hourly L_{eq}, which is below the City's noise standard of 45 dBA L_{eq} for single-family residential properties. Figure 3 displays the location of the studied noise-sensitive receptors and noise contours.

Table 4. Stationary Operations Noise Modeling Results

Studied Noise-Sensitive Receptor (approximate address)	Predicted Project-Attributed Noise Exposure Level at Nearby Noise-Sensitive Receptors
	Project HVAC (dBA hourly Leq)
R1 (10050 Juniper Ave)	35
R2 (10050 Juniper Ave)	36
R3 (10050 Juniper Ave)	36
R4 (10050 Juniper Ave)	34
R5 (16592 Washington Dr)	32

Note: L_{eq} = equivalent continuous sound level (time-averaged sound level); dBA = A-weighted decibels; HVAC = heating, ventilating, and air-conditioning. See Figure 3 for locations of studied noise-sensitive receptors.

Parking Lot Activity

A comprehensive study of noise levels associated with surface parking lots was published in the Journal of Environmental Engineering and Landscape Management (Baltrënas et al. 2004). The study found that average noise levels during the peak period of use of the parking lot (generally in the morning with arrival of commuters, and in the evening with the departure of commuters), was 47 dBA at 1 meter (3.3 feet) from the outside boundary of the parking lot. The project parking spaces are located throughout the project area, including directly adjacent to noise sensitive receptor property lines.

6 Impact Assessment

6.1 Generate a substantial temporary or permanent increase in ambient noise levels?

On-site noise-generating activities associated with the project would include short-term construction. The project would also generate off-site traffic noise increases along various roadways in the area. These potential effects are analyzed in the following subsections.

6.1.1 On-Site Construction (Short-Term) Noise

Construction of the project would generate noise that could expose nearby receptors (i.e., residences) to momentary elevated noise levels that may disrupt communication and routine outdoor activities. The magnitude of the impact would depend on the type of construction activity, equipment, duration of the construction phase, distance between the noise source and receiver, and intervening structures. Using the RCNM-emulating model, the predicted noise level exposures from the proposed construction activities at the nearest studied residential receptors are summarized in Table 5. Details of the modeling input and output are provided in Attachment C.

Table 5. Construction Noise Model Results Summary

Construction Phase	Construction Noise at Nearest Sensitive Receptor Distances (dBA 8-hour L_{eq})	
	Nearest Distance (20 feet)	Acoustic Center (450 feet)
Site Preparation (dozer, tractor)	86	64
Grading (excavator, grader, dozer, scraper, backhoe)	87	64
Building Construction (crane, man-lift, generator, backhoe, welder/torch)	86	62
Architectural Coating (air compressor)	84	59
Paving (concrete mixer truck, paver, backhoe, roller)	80	50

Notes: See Attachment C for complete results.

As previously discussed, the City's Noise Ordinance does not establish quantitative construction noise standards; however, Section 430.469-Noise of the City's Municipal Code restricts noise-generating construction activities to the hours from 7:00 a.m. to 6:00 p.m. The construction contractor would thus be required to comply with these noise regulations prescribing the hours allowed for construction activity. Were the FTA guidance limit of 80 dBA L_{eq} to be applied as a standard, Table 6 informs that the predicted noise level exposure at the offsite noise sensitive receptor closest to the construction boundary (i.e., a distance of only 20 feet) is 87 dBA and exceeds this standard by 7 dB. Hence, despite construction activity hours complying with City regulations, project construction noise impacts could be less than significant with mitigation such as the following measure:

MM-NOI-1 The applicant and/or project contractor shall implement the following measures:

- All construction equipment must have appropriate sound muffling devices, which shall be properly maintained and used at all times such equipment is in operation.
- The project contractor shall place stationary construction equipment so that emitted noise is directed away from sensitive receptors nearest the project site.
- The construction contractor shall locate on-site equipment staging areas so as to maximize the distance between construction-related noise sources and noise-sensitive receptors nearest the Project site during the construction period.

- All noise producing construction activities, including warming-up or servicing equipment and any preparation for construction, shall be limited to the hours between 7:00 a.m. and 6:00 p.m.
- An eight (8) foot tall temporary noise barrier shall be erected along the southern Project site property line where the property line is adjacent to the nearest noise sensitive receptor.

With the needed noise reduction quantity being 7 dB (i.e., the arithmetic difference of 87 dBA and 80 dBA), **MM-NOI-1** offers the project Applicant (or its construction contractors) flexible and practical options to implement it successfully and yield compliant noise exposure levels. For example, independent of any barrier-based sound path occlusion, reducing operation time of a piece of steady noise-producing equipment by 50% would also yield a 3 dB reduction. With the mitigation measures outlined above applied to the project, construction noise would be considered a less than significant impact.

6.1.3 Operation Noise

6.1.3.1 Offsite Roadway Traffic

Project-attributed traffic would cause increases in roadway volumes or trips on Valley Boulevard and Juniper Avenue, but not at levels expected to yield significant impacts. Using the information from Section 5.3.1, the predicted change in roadway traffic noise from Valley Boulevard will be less than 0.4 dB, which would be considered an imperceptible difference and thus a less than significant impact—especially in such an urban environment with existing noise levels expected to already exceed 65 dBA.

6.1.3.2 Onsite Stationary Sources

Aggregate noise emission from continuously operating outdoor-exposed rooftop air-conditioning units is expected to be below the City of Fontana (City) exterior noise threshold of 65 dBA L_{eq}. Please see accompanying Figure 3 depicting the prediction results of the sound emission model, with the color-coded bands of sound level displayed as a horizontal plane five feet above grade.

Noise associated with the project parking spaces was also analyzed. Since parking lot noise is considered transient, the hourly L_{eq} would not exceed the City's noise standard of 45 dBA at the nearest noise sensitive property line.

Therefore, noise associated with onsite sources would be considered a less than significant impact.

6.2 Generation of excessive groundborne vibration or groundborne noise levels?

The closest distance between anticipated vibration-producing construction equipment (e.g., a roller) and offsite residential structures appears to be at least 20 feet, which according to FTA prediction methodology would be adequate for attenuating ground-borne vibration to levels that, per FTA or California Department of Transportation (Caltrans) guidance with respect to building damage risk and occupant annoyance, would not exceed relevant criteria and thus be a less than significant impact. In detail, the groundborne vibration propagation expression appearing in Section 5.2 can be used with FTA reference data for a roller (0.21 ips PPV at 25 feet) as follows:

$PPV_{rcvr} = PPV_{ref} * (25/D)^1.5 = 0.29 = 0.21 * (25/20)^1.5$

The predicted 0.29 ips PPV for the on-site roller is less than the 0.3 ips threshold for building damage risk and less than 0.4 ips PPV with respect to occupant annoyance.

6.3 Expose people residing or working in the project area to excessive aviation noise levels?

The nearest public airport is well over 5 miles away, and there are no apparent private airfield. Hence, project worker or future residence exposure to aviation traffic noise is expected to be “no impact.”

7 References Cited

14 CCR 15000–15387 and Appendices A–L. Guidelines for Implementation of the California Environmental Quality Act, as amended.

Baltrėnas, P., D. Kazlauskas, & E. Petraitis. 2004. Testing on noise level prevailing at motor vehicle parking lots and numeral simulation of its dispersion, Journal of Environmental Engineering and Landscape Management, 12:2, 63-70

Caltrans. 2020. Transportation and Construction Vibration Guidance Manual. April. Accessed at https://dot.ca.gov/-/media/dot-media/programs/environmental-analysis/documents/env/tcvgm-apr2020-a11y.pdf.

Carrier. 2012. Product Data Sheet: Catalog No. CA16NA-06PD.

City of Fontana. 2018. General Plan Update Chapter 11 Noise and Safety, November 13. Accessed at https://www.fontana.org/DocumentCenter/View/26750/Chapter-11---Noise-and-Safety.

City of Fontana. 2014. Traffic Count Map. Accessed at https://www.fontana.org/DocumentCenter/View/36781/Fontana-Traffic-Count-Map-Updated?bidId=

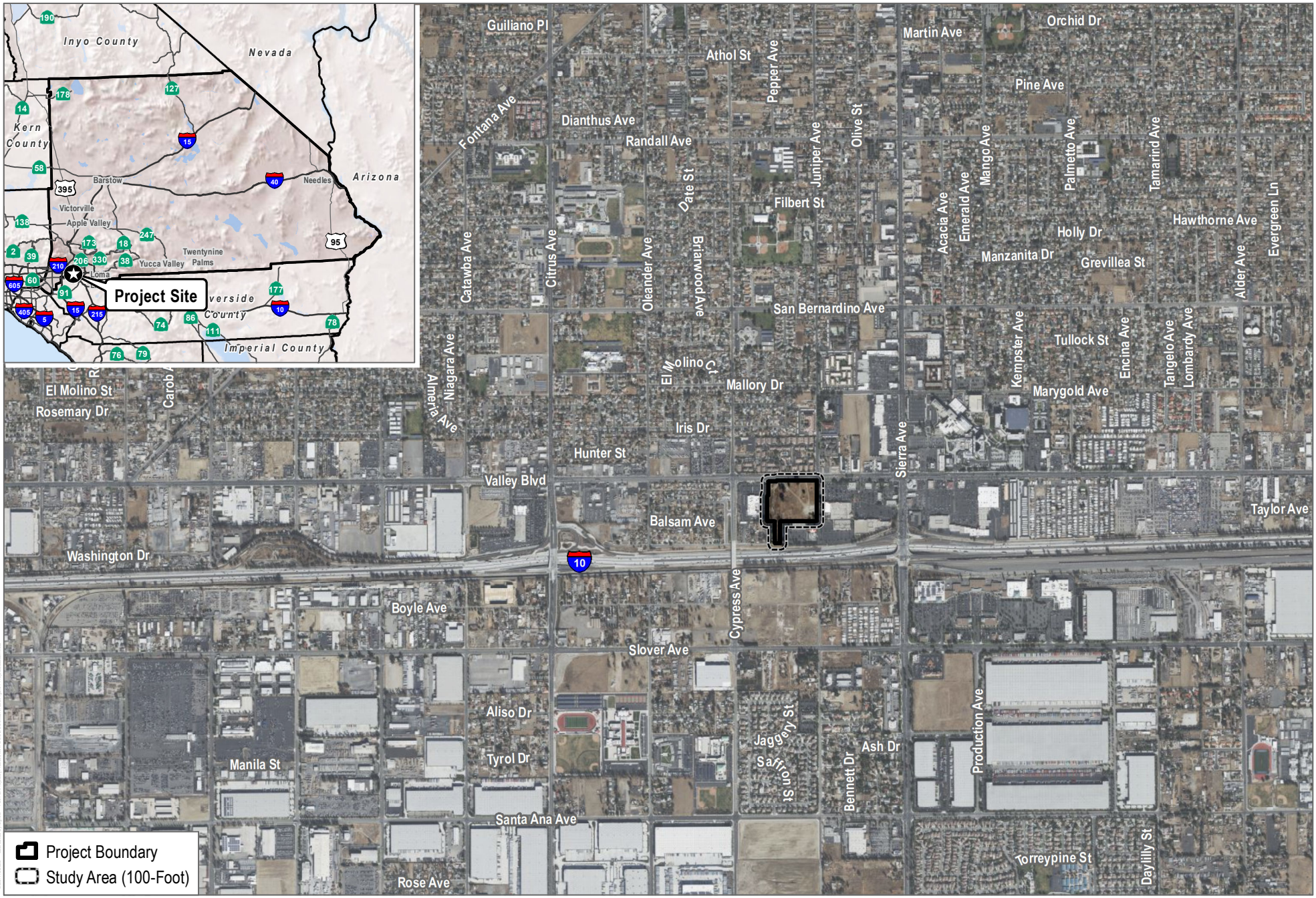
Dudek. 2022. JPI Jefferson Fontana – Transportation Due Diligence – Preliminary Findings. July 1.

Federal Transit Administration (FTA). 2018. Transit Noise and Vibration Impact Assessment Manual. FTA Report No. 0123. John A. Volpe National Transportation Systems Center. September. Accessed at https://www.transit.dot.gov/sites/fta.dot.gov/files/docs/research-innovation/118131/transit-noise-and-vibration-impact-assessment-manual-fta-report-no-0123_0.pdf.

FHWA. 2008. Roadway Construction Noise Model (RCNM), Software Version 1.1. U.S. Department of Transportation, Research and Innovative Technology Administration, John A. Volpe National Transportation Systems Center, Environmental Measurement and Modeling Division.

FICON. 1992. Federal Agency Review of Selected Airport Noise Analysis Issues. Federal Interagency Committee on Noise. August 1992.

Figures



SOURCE: Open Street Map; Bing Maps

DUDEK

0 1,000 2,000 Feet

FIGURE 1

Project Location

JPI Fontana Project



SOURCE: Google 2022; Dudek 2022

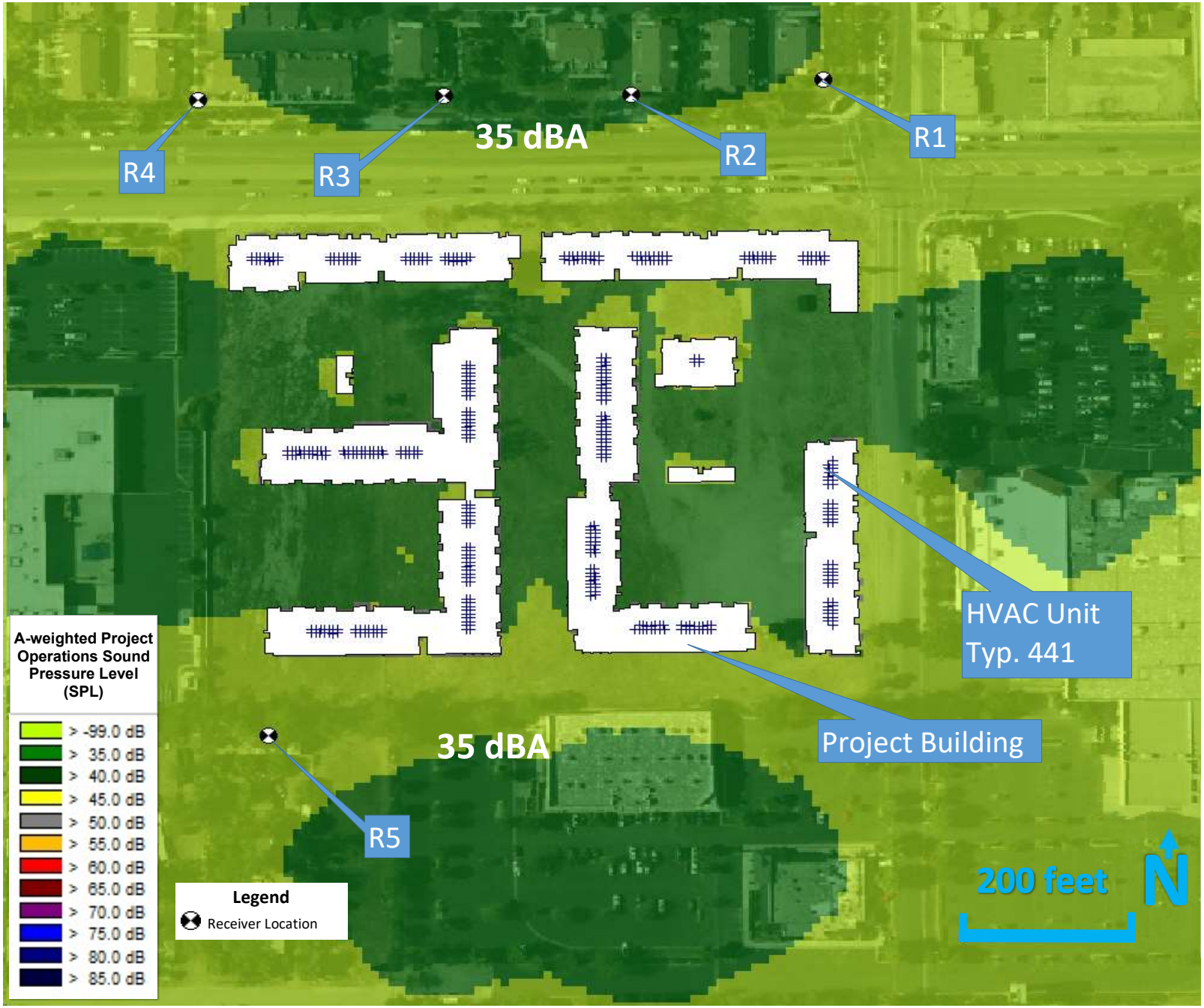
DUDEK

0 123.5 247 Feet

FIGURE 2

Noise Measurement Locations

JPI Jefferson Fontana Project



SOURCE: Google 2022; Dudek 2022

DUDEK

0 70 140 Feet

FIGURE 3

Aggregate Stationary Sources Operational Noise Level Prediction

JPI Jefferson Fontana Project

Attachments

Summary of Acoustical Concepts

Fundamentals of Sound

Vibrations, traveling as waves through air from a source, exert a force perceived by the human ear as sound. Sound pressure level (SPL, referred to as sound level) is measured on a logarithmic scale in decibels (dB) that represent the fluctuation of air pressure above and below atmospheric pressure. Frequency, or pitch, is a physical characteristic of sound and is expressed in units of cycles per second or hertz (Hz). The normal frequency range of hearing for most people extends from about 20 to 20,000 Hz. The human ear is more sensitive to middle and high frequencies, especially when the noise levels are quieter. As noise levels get louder, the human ear starts to hear the frequency spectrum more evenly. To accommodate for this phenomenon, a weighting system to evaluate how loud a noise level is to a human was developed. The frequency weighting called "A" weighting is typically used for quieter noise levels which de-emphasizes the low frequency components of the sound in a manner similar to the response of a human ear. This A-weighted sound level is called the "noise level" and is referenced in units of dBA.

Since sound is measured on a logarithmic scale, a doubling of sound energy results in a 3 dBA increase in the noise level. Changes in a community noise level of less than 3 dBA are not typically noticed by the human ear. Changes from 3 to 5 dBA may be noticed by some individuals who are extremely sensitive to changes in noise. A 5 dBA increase is readily noticeable[1]. The human ear perceives a 10 dBA increase in sound level as a doubling of the sound level (e.g., 65 dBA sounds twice as loud as 55 dBA to a human ear).

An individual's noise exposure occurs over a period of time; however, noise level is a measure of noise at a given instant in time. Community noise sources vary continuously, being the product of many noise sources at various distances, all of which constitute a relatively stable background or ambient noise environment. The background, or ambient, noise level gradually changes throughout a typical day, corresponding to distant noise sources, such as traffic volume, as well as changes in atmospheric conditions

Noise levels are generally higher during the daytime and early evening hours when traffic (including airplanes), commercial, and industrial activity is the greatest. However, noise sources experienced during nighttime hours when background levels are generally lower can be potentially more conspicuous and irritating to the receiver. In order to evaluate noise in a way that considers periodic fluctuations experienced throughout the day and night, a concept termed "community noise equivalent level" (CNEL) was developed, wherein noise measurements are weighted, added, and averaged over a 24-hour period to reflect magnitude, duration, frequency, and time of occurrence. A complete definition of CNEL and other terminology used to describe noise is provided in the following list.

[1] https://dot.ca.gov/-/media/dot-media/programs/environmental-analysis/documents/env/tens-sep2013-a11y.pdf

Glossary of Common Acoustical Terms

Ambient Noise Level	The composite of noise from all sources near and far. The normal or existing level of environmental noise at a given location.
A-Weighted Sound Level (dBA)	The sound pressure level (SPL) in decibels as measured on a sound level meter (SLM) using the A-weighted filter network, which de-emphasizes the very low and very high frequency components of the measured sound in a manner similar to the frequency response of the average healthy human ear.
Community Noise Equivalent Level (CNEL)	The A-weighted equivalent continuous sound level over a 24-hour period with a 5 dB adjustment added to sound levels occurring during the evening hours (7 p.m. to 10 p.m.) and 10 dB adjustment added to sound levels occurring during the nighttime hours (10 p.m. to 7 a.m.).
Day-night Sound Level (L_{dn})	The A-weighted equivalent continuous sound level over a 24-hour period with a 10 dB adjustment added to sound levels occurring during the nighttime hours (10 p.m. to 7 a.m.).
Decibel (dB)	The unit for expressing SPL and is equal to 10 times the logarithm (to the base 10) of the ratio of the measured sound pressure squared to a reference pressure, which is 20 micropascals.
Equivalent Sound Level ($L_{eq[xh]}$)	The value corresponding to a steady-state sound level containing the same total energy as a time-varying signal over a given sample period. The L_{eq} may feature notation in its subscript indicating the time period (e.g., eight hours as "8h" to populate "[Xh]") of energy averaging.
Maximum (Minimum) Sound Level (L_{max}, L_{min})	The highest (lowest) value measured by an SLM over a given sample period, based on a time-weighted sound level in dB using a "fast" or "slow" time constant.
Statistical Sound Level (L_{XX})	The SPL exceeded a cumulative XX percent (%) of the measured time period. By way of example, L_{50} is also referred to as a "median" sound level. The L_{90} value is often considered akin to a "background" sound level of indistinct contribution to the outdoor sound environment or an approximation of continuous or steady-state sources of noise such as mechanical equipment.
Peak Particle Velocity (PPV)	The maximum instantaneous positive or negative peak of a vibration wave. (In this document, a PPV descriptor with units of mm/sec or in/sec is used to evaluate construction-generated vibration for building damage risk and human annoyance.
Vibration Velocity Decibel (VdB)	Ten times the common logarithm of the ratio of the square of the amplitude of the RMS vibration velocity to the square of the amplitude of the reference RMS vibration velocity. The reference velocity in the United States is one micro-inch per second.

Exterior Noise Distance Attenuation

Noise sources are typically classified in two forms: (1) point sources, such as stationary equipment or a group of construction vehicles and equipment working within a spatially limited area at a given time, and (2) line sources, such as a roadway with a large number of pass-by sources (motor vehicles). Sound generated by a point source typically diminishes (attenuates) at a rate of 6.0 dBA for each doubling of distance from the source to the receptor at acoustically "hard" sites and at a rate of 7.5 dBA for each doubling of distance from source to receptor at acoustically "soft" sites. Sound generated by a line source (i.e., a roadway) typically attenuates at a rate of 3 dBA and 4.5 dBA per doubling distance, for hard and soft sites, respectively. Sound levels can also be attenuated by man-made or natural barriers. For the purpose of sound attenuation discussion, a "hard" or reflective site does not provide any excess ground-effect attenuation and is characteristic of asphalt or concrete ground surfaces, as well as very hard-packed soils. An acoustically "soft" or absorptive site is characteristic of unpaved loose soil or vegetated ground.

Fundamentals of Vibration

Vibration is an oscillatory motion that can be described in terms of displacement, velocity, or acceleration. The response of humans to vibration is very complex. However, it is generally accepted that human response is best approximated by the vibration velocity level associated with the vibration occurrence.

Heavy equipment operation, including stationary equipment that produces substantial oscillation or construction equipment that causes percussive action against the ground surface, may be perceived by building occupants as perceptible vibration. It is also common for ground-borne vibration to cause windows, pictures on walls, or items on shelves to rattle. Although the perceived vibration from such equipment operation can be intrusive to building occupants, the vibration is seldom of sufficient magnitude to cause even minor cosmetic damage to buildings.

When evaluating human response, ground-borne vibration is usually expressed in terms of root mean square (RMS) vibration velocity. RMS is defined as the average of the squared amplitude of the vibration signal. As for sound, it is common to express vibration amplitudes in terms of decibels defined as: $L_v = 20*LOG(v_{rms}/v_{ref})$ where v_{rms} is the RMS vibration velocity amplitude in inches/second and v_{ref} is the decibel reference of $1x10^{-6}$ inches/second (0.000001 ips).

To avoid confusion with sound decibels, the abbreviation VdB is used for vibration decibels. The vibration threshold of perception for most people is around 65 VdB (which is equivalent to 0.0018 in/sec RMS).

Vibration impacts to buildings are generally discussed in terms of peak particle velocity (PPV) that describes particle movement over time (in terms of physical displacement of mass, expressed as inches/second or in/sec). Groundborne vibration generated by construction projects is usually highest during pile driving, rock blasting, soil compacting, jack hammering, and demolition-related activities. Next to pile driving and soil compacting, grading activity has the greatest potential for vibration impacts if large bulldozers, large trucks, or other heavy equipment are used.

FORMS DUDEK FIELD DATA REPORT

Field Noise Measurement Data

Record: 1525	
Project Name	*JPI Fontana*
Project #	*14386.05*
Observer(s)	
Date	*2022-11-11*

Meteorological Conditions	
Temp (F)	*65*
Humidity % (R.H.)	*22.6*
Wind	*Gusty*
Wind Speed (MPH)	*8*
Wind Direction	*North*
Sky	*Partly Cloudy*

Instrument and Calibrator Information	
Instrument Name List	*Piccolo #1897*
Instrument Name	*Piccolo #1897*
Instrument Name Lookup Key	*Piccolo #1897*
Manufacturer	*Soft dB inc.*
Model	*Piccolo*
Serial Number	*P0222050202*
Calibration Date	*05/02/2022*
Calibrator Name	*(SB) LD CAL200*
Calibrator Name	*(SB) LD CAL200*
Calibrator Name Lookup Key	*(SB) LD CAL200*
Calibrator Manufacturer	*Larson Davis*
Calibrator Model	*LD CAL200*
Calibrator Serial #	*4496*
GPS Assistance Used	*No*
Pre-Test (dBA SPL)	*94.6*
Post-Test (dBA SPL)	*94*
Windscreen	*Yes*
Weighting?	*A-WTD*
Slow/Fast?	*Slow*
ANSI?	*Yes*

Monitoring	
Record #	*1*
Site ID	*ST3*
Site Location Lat/Long	*34.069224, -117.440082*
Begin (Time)	*11:47:00*
End (Time)	*12:02:00*
Other Lx (Specify Metric)	*L*
Primary Noise Source	*Traffic*
Other Noise Sources (Background)	*Distant Conversations / Yelling, Distant Industrial, Distant Traffic, Rustling Leaves*
Other Noise Sources Additional Description	*Music from auto shop, Sirens*
Is the same instrument and calibrator being used as previously noted?	*Yes*
Are the meteorological conditions the same as previously noted?	*Yes*

Description / Photos

Terrain	*Mixed*

Site Photos

Photo	
Comments / Description	*ST3 North*

Site Photos

Photo	
Comments / Description	*ST3 South*

Site Photos

Photo	
	
Comments / Description	*ST3 East*

Site Photos

Photo	
	
Comments / Description	*ST3 West*

FORMS FIELD DATA REPORT

Monitoring

Record #	*2*
Site ID	*ST1*
Site Location Lat/Long	*34.068447, -117.441870*
Begin (Time)	*12:08:00*
End (Time)	*12:23:00*
Other Lx (Specify Metric)	*L*
Primary Noise Source	*Traffic*
Other Noise Sources (Background)	*Distant Traffic, Rustling Leaves*
Is the same instrument and calibrator being used as previously noted?	*Yes*
Are the meteorological conditions the same as previously noted?	*Yes*

Description / Photos

Terrain	*Mixed*

Site Photos

Photo	
Comments / Description	*ST1 North*

Site Photos

Photo	
Comments / Description	*ST1 South*

Site Photos

Photo	
Comments / Description	*ST1 East*

Site Photos

Photo	
	
Comments / Description	*ST1 West*

Monitoring

Record #	*3*
Site ID	*ST2*
Site Location Lat/Long	*34.070203, -117.441936*
Begin (Time)	*12:28:00*
End (Time)	*12:43:00*
Other Lx (Specify Metric)	*L*
Primary Noise Source	*Traffic*
Other Noise Sources (Background)	*Distant Traffic, Rustling Leaves*
Is the same instrument and calibrator being used as previously noted?	*Yes*
Are the meteorological conditions the same as previously noted?	*Yes*

Description / Photos

Terrain	*Hard*

Site Photos

Photo	
Comments / Description	*ST2 North*

Site Photos

Photo	
Comments / Description	*ST2 South*

Site Photos

Photo	
	
Comments / Description	*ST2 East*

Site Photos

Photo	
	
Comments / Description	*ST2 West*

To User: bordered cells are inputs, unbordered cells have formulae

noise level limit for construction phase at residential land use, per FTA guidance = 80

allowable hours over which Leq is to be averaged = 8

= temporary barrier (TB) of input height inserted between source and receptor

Construction Activity	Equipment	Total Equipment Qty	AUF % (from FHWA RCNM)	Reference Lmax @ 50 ft. from FHWA RCNM	Client Equipment Description, Data Source and/or Notes	Source to NSR Distance (ft.)	*Temporary Barrier Insertion Loss (dB)*	*Additional Noise Reduction*	Distance-Adjusted Lmax	Allowable Operation Time (hours)	Allowable Operation Time (minutes)	Predicted 8-hour Leq	Source Elevation (ft)	Receiver Elevation (ft)	Barrier Height (ft)	Source to Barr. ("A") Horiz. (ft)	Rcvr. to Barr. ("B") Horiz. (ft)	Source to Rcvr. ("C") Horiz. (ft)	"A" (ft)	"B" (ft)	"C" (ft)	Path Length Diff. "f" (ft)	Abarr (dB)	Heff (with barrier)	Heff (wout barrier)	G (with barrier)	G (without barrier)	ILbarr (dB)	Notes
Site Preparation	dozer	1	40	82	Rubber Tired Dozers	75	0.1		77.6	8	480	74	5	5	0	5	70	75	7.1	70.2	75.0	0.00	0.1	5.0	5.0	0.7	0.7	0.1	
	tractor	1	40	84	Tractors/Loaders/Backhoes	25	0.1		89.9	8	480	86	5	5	0	5	20	25	7.1	20.6	25.0	0.00	0.1	5.0	5.0	0.7	0.7	0.1	
					Total for Site Preparation Phase:							86.2																	
Grading	excavator	1	40	81	Excavators	225	0.1		63.8	8	480	60	5	5	0	5	220	225	7.1	220.1	225.0	0.00	0.1	5.0	5.0	0.7	0.7	0.1	
	grader	1	40	85	Graders/Blades	25	0.1		90.9	8	480	87	5	5	0	5	20	25	7.1	20.6	25.0	0.00	0.1	5.0	5.0	0.7	0.7	0.1	
	dozer	1	40	82	Rubber Tired Dozers	175	0.1		67.4	8	480	63	5	5	0	5	170	175	7.1	170.1	175.0	0.00	0.1	5.0	5.0	0.7	0.7	0.1	
	scraper	1	40	84	Scrapers	75	0.1		79.6	8	480	76	5	5	0	5	70	75	7.1	70.2	75.0	0.00	0.1	5.0	5.0	0.7	0.7	0.1	
	tractor	1	40	84	Tractor/Loaders/Backhoes	125	0.1		73.0	8	480	69	5	5	0	5	120	125	7.1	120.1	125.0	0.00	0.1	5.0	5.0	0.7	0.7	0.1	
					Total for Grading Phase:							87.3																	
Building Construction	crane	1	16	81	Cranes	75	0.1		76.6	8	480	69	5	5	0	5	70	75	7.1	70.2	75.0	0.00	0.1	5.0	5.0	0.7	0.7	0.1	
	man lift	1	20	75	Forklifts	125	0.1		64.0	8	480	57	5	5	0	5	120	125	7.1	120.1	125.0	0.00	0.1	5.0	5.0	0.7	0.7	0.1	
	generator	1	50	72	Generator Sets	225	0.1		54.8	8	480	52	5	5	0	5	220	225	7.1	220.1	225.0	0.00	0.1	5.0	5.0	0.7	0.7	0.1	
	tractor	1	40	84	Tractors/Loaders/Backhoes	25	0.1		89.9	8	480	86	5	5	0	5	20	25	7.1	20.6	25.0	0.00	0.1	5.0	5.0	0.7	0.7	0.1	
	flat bed truck	1	40	74	Welders	175	0.1		59.4	8	480	55	5	5	0	5	170	175	7.1	170.1	175.0	0.00	0.1	5.0	5.0	0.7	0.7	0.1	
					Total for Building Construction Phase:							86.0																	
Paving	paver	1	50	77	Pavers	125	0.1		66.0	8	480	63	5	5	0	5	120	125	7.1	120.1	125.0	0.00	0.1	5.0	5.0	0.7	0.7	0.1	
	pavement scarafier	1	20	85	Paving Equipment	25	0.1		90.9	8	480	84	5	5	0	5	20	25	7.1	20.6	25.0	0.00	0.1	5.0	5.0	0.7	0.7	0.1	
	roller	1	20	80	Rollers	75	0.1		75.6	8	480	69	5	5	0	5	70	75	7.1	70.2	75.0	0.00	0.1	5.0	5.0	0.7	0.7	0.1	
					Total for Paving Phase:							84.1																	
Architectural Coating	compressor (air)	1	40	78	Air Compressors	25	0.1		83.9	8	480	80	5	5	0	5	20	25	7.1	20.6	25.0	0.00	0.1	5.0	5.0	0.7	0.7	0.1	
					Total for Architectural Coating Phase:							**80.0**																	

To User: bordered cells are inputs, unbordered cells have formulae

noise level limit for construction phase at residential land use, per FTA guidance = 80

allowable hours over which Leq is to be averaged = 8

= temporary barrier (TB) of input height inserted between source and receptor

Construction Activity	Equipment	Total Equipment Qty	AUF % (from FHWA RCNM)	Reference Lmax @ 50 ft. from FHWA RCNM	Client Equipment Description, Data Source and/or Notes	Source to NSR Distance (ft.)	*Temporary Barrier Insertion Loss (dB)*	*Additional Noise Reduction*	Distance-Adjusted Lmax	Allowable Operation Time (hours)	Allowable Operation Time (minutes)	Predicted 8-hour Leq	Source Elevation (ft)	Receiver Elevation (ft)	Barrier Height (ft)	Source to Barr. ("A") Horiz. (ft)	Rcvr. to Barr. ("B") Horiz. (ft)	Source to Rcvr. ("C") Horiz. (ft)	"A" (ft)	"B" (ft)	"C" (ft)	Path Length Diff. "f" (ft)	Abarr (dB)	Heff (with barrier)	Heff (wout barrier)	G (with barrier)	G (without barrier)	ILbarr (dB)	Notes
Site Preparation	dozer	3	40	82	Rubber Tired Dozers	455	0.1		57.9	8	480	59	5	5	0	5	450	455	7.1	450.0	455.0	0.00	0.1	5.0	5.0	0.7	0.7	0.1	
	tractor	4	40	84	Tractors/Loaders/Backhoes	455	0.1		59.9	8	480	62	5	5	0	5	450	455	7.1	450.0	455.0	0.00	0.1	5.0	5.0	0.7	0.7	0.1	
					Total for Site Preparation Phase:							**63.6**																	
Grading	excavator	2	40	81	Excavators	455	0.1		56.9	8	480	56	5	5	0	5	450	455	7.1	450.0	455.0	0.00	0.1	5.0	5.0	0.7	0.7	0.1	
	grader	1	40	85	Graders/Blades	455	0.1		60.9	8	480	57	5	5	0	5	450	455	7.1	450.0	455.0	0.00	0.1	5.0	5.0	0.7	0.7	0.1	
	dozer	1	40	82	Rubber Tired Dozers	455	0.1		57.9	8	480	54	5	5	0	5	450	455	7.1	450.0	455.0	0.00	0.1	5.0	5.0	0.7	0.7	0.1	
	scraper	2	40	84	Scrapers	455	0.1		59.9	8	480	59	5	5	0	5	450	455	7.1	450.0	455.0	0.00	0.1	5.0	5.0	0.7	0.7	0.1	
	tractor	2	40	84	Tractor/Loaders/Backhoes	455	0.1		59.9	8	480	59	5	5	0	5	450	455	7.1	450.0	455.0	0.00	0.1	5.0	5.0	0.7	0.7	0.1	
					Total for Grading Phase:							**64.3**																	
Building Construction	crane	1	16	81	Cranes	455	0.1		56.9	8	480	49	5	5	0	5	450	455	7.1	450.0	455.0	0.00	0.1	5.0	5.0	0.7	0.7	0.1	
	man lift	3	20	75	Forklifts	455	0.1		50.9	8	480	49	5	5	0	5	450	455	7.1	450.0	455.0	0.00	0.1	5.0	5.0	0.7	0.7	0.1	
	generator	1	50	72	Generator Sets	455	0.1		47.9	8	480	45	5	5	0	5	450	455	7.1	450.0	455.0	0.00	0.1	5.0	5.0	0.7	0.7	0.1	
	tractor	3	40	84	Tractors/Loaders/Backhoes	455	0.1		59.9	8	480	61	5	5	0	5	450	455	7.1	450.0	455.0	0.00	0.1	5.0	5.0	0.7	0.7	0.1	
	flat bed truck	1	40	74	Welders	455	0.1		49.9	8	480	46	5	5	0	5	450	455	7.1	450.0	455.0	0.00	0.1	5.0	5.0	0.7	0.7	0.1	
					Total for Building Construction Phase:							**61.5**																	
Paving	paver	2	50	77	Pavers	455	0.1		52.9	8	480	53	5	5	0	5	450	455	7.1	450.0	455.0	0.00	0.1	5.0	5.0	0.7	0.7	0.1	
	pavement scrarifier	2	20	85	Paving Equipment	455	0.1		60.9	8	480	57	5	5	0	5	450	455	7.1	450.0	455.0	0.00	0.1	5.0	5.0	0.7	0.7	0.1	
	roller	2	20	80	Rollers	455	0.1		55.9	8	480	52	5	5	0	5	450	455	7.1	450.0	455.0	0.00	0.1	5.0	5.0	0.7	0.7	0.1	
					Total for Paving Phase:							**59.3**																	
Architectural Coating	compressor (air)	1	40	78	Air Compressors	455	0.1		53.9	8	480	50	5	5	0	5	450	455	7.1	450.0	455.0	0.00	0.1	5.0	5.0	0.7	0.7	0.1	
					Total for Architectural Coating Phase:							**49.9**																	

To User: bordered cells are inputs, unbordered cells have formulae

noise level limit for construction phase at residential land use, per FTA guidance = 80

allowable hours over which Leq is to be averaged = 8

= temporary barrier (TB) of input height inserted between source and receptor

Construction Activity	Equipment	Total Equipment Qty	AUF % (from FHWA RCNM)	Reference Lmax @ 50 ft. from FHWA RCNM	Client Equipment Description, Data Source and/or Notes	Source to NSR Distance (ft.)	*Temporary Barrier Insertion Loss (dB)*	*Additional Noise Reduction*	Distance-Adjusted Lmax	Allowable Operation Time (hours)	Allowable Operation Time (minutes)	Predicted 8-hour Leq	Source Elevation (ft)	Receiver Elevation (ft)	Barrier Height (ft)	Source to Barr. ("A") Horiz. (ft)	Rcvr. to Barr. ("B") Horiz. (ft)	Source to Rcvr. ("C") Horiz. (ft)	"A" (ft)	"B" (ft)	"C" (ft)	Path Length Diff. "f" (ft)	Abarr (dB)	Heff (with barrier)	Heff (wout barrier)	G (with barrier)	G (without barrier)	ILbarr (dB)	Notes
Site Preparation	dozer	1	40	82	Rubber Tired Dozers	75	12.3		65.4	8	480	61	5	5	8	5	70	75	5.8	70.1	75.0	0.90	12.5	13.0	5.0	0.5	0.7	12.3	
	tractor	1	40	84	Tractors/Loaders/Backhoes	25	13.7		76.3	8	480	72	5	5	8	5	20	25	5.8	20.2	25.0	1.05	13.2	13.0	5.0	0.5	0.7	13.7	
					Total for Site Preparation Phase:							**72.7**																	
Grading	excavator	1	40	81	Excavators	225	11.4		52.5	8	480	49	5	5	8	5	220	225	5.8	220.0	225.0	0.85	12.3	13.0	5.0	0.5	0.7	11.4	
	grader	1	40	85	Graders/Blades	25	13.7		77.3	8	480	73	5	5	8	5	20	25	5.8	20.2	25.0	1.05	13.2	13.0	5.0	0.5	0.7	13.7	
	dozer	1	40	82	Rubber Tired Dozers	175	11.6		55.9	8	480	52	5	5	8	5	170	175	5.8	170.0	175.0	0.86	12.3	13.0	5.0	0.5	0.7	11.6	
	scraper	1	40	84	Scrapers	75	12.3		67.4	8	480	63	5	5	8	5	70	75	5.8	70.1	75.0	0.90	12.5	13.0	5.0	0.5	0.7	12.3	
	tractor	1	40	84	Tractor/Loaders/Backhoes	125	11.8		61.3	8	480	57	5	5	8	5	120	125	5.8	120.0	125.0	0.87	12.4	13.0	5.0	0.5	0.7	11.8	
					Total for Grading Phase:							**73.9**																	
Building Construction	crane	1	16	81	Cranes	75	12.3		64.4	8	480	56	5	5	8	5	70	75	5.8	70.1	75.0	0.90	12.5	13.0	5.0	0.5	0.7	12.3	
	man lift	1	20	75	Forklifts	125	11.8		52.3	8	480	45	5	5	8	5	120	125	5.8	120.0	125.0	0.87	12.4	13.0	5.0	0.5	0.7	11.8	
	generator	1	50	72	Generator Sets	225	11.4		43.5	8	480	40	5	5	8	5	220	225	5.8	220.0	225.0	0.85	12.3	13.0	5.0	0.5	0.7	11.4	
	tractor	1	40	84	Tractors/Loaders/Backhoes	25	13.7		76.3	8	480	72	5	5	8	5	20	25	5.8	20.2	25.0	1.05	13.2	13.0	5.0	0.5	0.7	13.7	
	flat bed truck	1	40	74	Welders	175	11.6		47.9	8	480	44	5	5	8	5	170	175	5.8	170.0	175.0	0.86	12.3	13.0	5.0	0.5	0.7	11.6	
					Total for Building Construction Phase:							**72.5**																	
Paving	paver	1	50	77	Pavers	125	11.8		54.3	8	480	51	5	5	8	5	120	125	5.8	120.0	125.0	0.87	12.4	13.0	5.0	0.5	0.7	11.8	
	pavement scarafier	1	20	85	Paving Equipment	25	13.7		77.3	8	480	70	5	5	8	5	20	25	5.8	20.2	25.0	1.05	13.2	13.0	5.0	0.5	0.7	13.7	
	roller	1	20	80	Rollers	75	12.3		63.4	8	480	56	5	5	8	5	70	75	5.8	70.1	75.0	0.90	12.5	13.0	5.0	0.5	0.7	12.3	
					Total for Paving Phase:							**70.6**																	
Architectural Coating	compressor (air)	1	40	78	Air Compressors	25	0.1		83.9	8	480	80	5	5	0	5	20	25	7.1	20.6	25.0	0.00	0.1	5.0	5.0	0.7	0.7	0.1	
					Total for Architectural Coating Phase:							**80.0**																	

Attachment D

Traffic Noise Modeling Calculations - Summary

Project: 14386.05JPI Jefferson Fontana

Number	Name	Segment Description and Location From	To	Existing	Existing + Project	Δ Existing – Existing + Project
Summary of Net Changes						
1	Valley Boulevard	Cypress Avenue	Juniper Avenue	69.2	69.6	0.4

*All modeling assumes average pavement, level roadways (less than 1.5% grade), constant traffic flow and does not account for shielding of any type or finite roadway adjustments. All levels are reported as A-weighted noise levels.

Attachment D - 1

Traffic Noise Model Calculations

Project: 14386.05JPI Jefferson Fontana

Noise Level Descriptor: CNEL
Site Conditions: Hard
Traffic Input: ADT
Traffic K-Factor: 10

Number	Segment Description and Location: Name	From	To	Input: ADT	Speed (mph)	Distance to Directional Centerline, (feet)$_4$: Near	Far	Traffic Distribution Characteristics: % Auto	% Med	% Hvy	% Day	% Eve	% Night	Output: CNEL, (dBA)$_{5,6,7}$	Distance to Contour, (feet)$_3$: 70 dBA	65 dBA	60 dBA	55 dBA
Existing Conditions																		
1	Valley Boulevard	Cypress Avenue	Juniper Avenue	23,392	45	65	110	97.0%	2.0%	1.0%	80.0%	15.0%	5.0%	69.2	71	225	711	2248

*All modeling assumes average pavement, level roadways (less than 1.5% grade), constant traffic flow and does not account for shielding of any type or finite roadway adjustments. All levels are reported as A-weighted noise levels.

Attachment D - 2

Traffic Noise Model Calculations

Project: 14386.05JPI Jefferson Fontana

Noise Level Descriptor: CNEL
Site Conditions: Hard
Traffic Input: ADT
Traffic K-Factor: 10

	Segment Description and Location			Input										Output				
						Distance to Directional Centerline, (feet)[4]		Traffic Distribution Characteristics						CNEL,	Distance to Contour, (feet)[3]			
Number	Name	From	To	ADT	Speed (mph)	Near	Far	% Auto	% Med	% Hvy	% Day	% Eve	% Night	(dBA)[5,6,7]	70 dBA	65 dBA	60 dBA	55 dBA
Existing + Project Conditions																		
1	Valley Boulevard	Cypress Avenue	Juniper Avenue	25,562	45	65	110	97.0%	2.0%	1.0%	80.0%	15.0%	5.0%	69.6	78	246	777	2456

*All modeling assumes average pavement, level roadways (less than 1.5% grade), constant traffic flow and does not account for shielding of any type or finite roadway adjustments. All levels are reported as A-weighted noise levels.

Appendix I
Transportation Attachments

DUDEK
MAIN OFFICE
605 THIRD STREET
ENCINITAS, CALIFORNIA 92024
T 800.450.1818 F 760.632.0164

MEMORANDUM

To:	George Velarde, Assistant Planner, City of Fontana
	Ruben Hovanesian, Engineering Manager, City of Fontana
From:	Dennis Pascua, Transportation Services Manager
Subject:	Vehicle Miles Traveled Analysis for Jefferson Fontana Apartments Project
	MCN22-000145
Date:	October 10, 2023
cc:	Kristen Stoner, Dudek
	Jay Adamowitz, JPI Companies
Attachment(s):	Figures 1 and 2
	SBCTA VMT Data

1 Introduction

1.1 Purpose of Analysis

The purpose of this vehicle miles traveled (VMT) analysis is to identify potential VMT impacts associated with the proposed Jefferson Fontana Apartments project (proposed project or project) in the City of Fontana (City). Figure 1 (attached) shows the project's location from regional and local perspectives. This VMT analysis has been prepared consistent with the City of Fontana's Traffic Impact Analysis Guidelines for Vehicle Miles Traveled (VMT) and Level of Service Assessment (October 2020), and California Environmental Quality Act (CEQA) requirements per Senate Bill 743 (SB 743).

On September 27, 2013, Senate Bill 743 was signed into law, which creates a process to change the way that transportation impacts are analyzed under CEQA. SB 743 required the Governor's Office of Planning and Research (OPR) to amend the CEQA Guidelines to provide an alternative to level of service (LOS) for evaluating transportation impacts. Under the new transportation guidelines, LOS, or vehicle delay, will no longer be considered an environmental impact under CEQA. OPR recommended VMT as the most appropriate measure of project transportation impacts for land use projects and land use plans. The updates to the CEQA Guidelines required under SB 743 were approved on December 28, 2018.

The Updated CEQA Guidelines state that "*…generally, vehicle miles traveled (VMT) is the most appropriate measure of transportation impacts…*" and define VMT as "*…the amount and distance of automobile travel attributable to a project….*" It should be noted that "automobile" refers to on-road passenger vehicles, specifically cars and light trucks. Heavy-duty truck VMT could be included for modeling convenience and ease of calculation (for example,

where models or data provide combined auto and heavy truck VMT). Other relevant considerations may include the effects of the project on transit and non-motorized travel.

The City released VMT specific TIA guidelines on October 21, 2020, detailing the City's methodology for SB 743 compliance. Per the City's guidelines, *"…a VMT analysis should be conducted for land use projects as deemed necessary by the Traffic Division and would apply to projects that have the potential to increase the average VMT per service population (e.g., population plus employment) compared to the County's boundary."* Additionally, *"…these guidelines are based on the SBCTA SB743 Implementation Study, which provides options for both methodologies and VMT screening. The methodologies and significance thresholds presented [in the City's guidelines] are based on SBCTA recommendations from the Implementation Study."*

1.2 Project Description

The project site plan is shown in Figure 2 (attached). The project involves the construction of a 437-unit multifamily development, 4,000 square feet of retail space, 14,150 square feet of leasing and amenity space, and associated improvements. The project would consist of eight, 4-story residential buildings that contain one-, two-, and three-bedroom units. The project would provide 126 one-bedroom units, 271 two-bedroom units, and 40 three-bedroom units. The project is divided down the center, providing an eastern and western portion of the site. Each portion of the site would have a main entry access point with sliding vehicle entrance gates. Up to 4,000 square feet of retail space is proposed in the northeastern corner of the site. Additionally, the project would include associated leasing buildings, fitness centers, pool areas, fire pits, lounge areas, a dog park, and other miscellaneous amenities divided between the eastern and western portions of the site.

The project site would be accessible via four driveways. Access to the eastern portion of the site would be through a northern driveway located along Juniper Avenue, with two sliding vehicle gates providing access to residential parking stalls. The southernmost driveway on Juniper Avenue would be for resident exit access only, as well as (full) emergency vehicle access. The primary access to the western portion of the site would be a driveway off the western project boundary, shared with an existing retail parking lot located off Valley Boulevard. The western access would also include two sliding vehicle gates providing access to residential parking stalls. A third access point to the project site would be provided at the south of the site along Washington Drive.

A total of 663 on-site surface parking stalls would be provided, with 648 dedicated residential stalls and 15 dedicated retail stalls. Residential parking would consist of 404 open standard stalls, 122 open tandem stalls, and 122 garage stalls.

2 Project Traffic Generation

Trip generation estimates for the proposed project are based on daily, and AM and PM peak hour trip generation rates obtained from the Institute of Transportation Engineers (ITE) *Trip Generation, 11th Edition* (2021). Table 1 presents the project's trip generation estimates.

Table 1. Project Trip Generation

Land Use	ITE Code	Size/Units		Daily	AM Peak Hour			PM Peak Hour		
					In	Out	Total	In	Out	Total
Trip Rates[1]										
Multifamily Housing (Mid-Rise)	221	per DU		4.54	0.09	0.28	0.37	0.24	0.15	0.39
Strip Retail Plaza (<40k)	822	per TSF		54.45	1.42	0.94	2.36	3.29	3.30	6.59
Trip Generation										
Multifamily Housing	221	437	DUs	1,984	37	125	162	104	66	170
Strip Retail Plaza	822	4.000	TSF	218	6	3	9	13	13	26
			Total	**2,202**	**43**	**128**	**171**	**117**	**79**	**196**
			Internal Trip Capture[2]	*0*	*-1*	*-3*	*-4*	*-5*	*-3*	*-8*
			Strip Retail pass-by trips[3]	*-32*	*-1*	*-1*	*-2*	*-2*	*-2*	*-4*
			Trip Generation (w/ internal trip capture)	2,202	42	125	167	112	76	188
			NET Trip Generation	**2,170**	**41**	**124**	**165**	**110**	**74**	**184**

Notes: DU = Dwelling Unit; TSF = Thousand Square Feet

1 Trip rates from the Institute of Transportation Engineers (ITE), Trip Generation, 11th Edition, 2021.

2 Consistent with the ITE Trip Generation Handbook, project trip generation was adjusted to account for internal capture (2% in the AM and 4% in the PM peak hour) between the residential and retail components using NCHRP methodology.

3 Pass-by trip rates derived from the average of pass-by trip percentages provided for Shopping Center (820), from the Institute of Transportation Engineers, Trip Generation, 11th Edition, 2021, Pass-by and Non-Pass-By Weekday, PM Peak Period (29%) Trips (Weekday, PM Peak Hour). AM and Daily pass-by reduction assumed to be half of the PM period.

As shown in Table 1, the proposed project would generate a total of approximately 2,202 daily trips, 171 AM peak hour trips (43 inbound and 128 outbound), and 196 PM peak hour trips (117 inbound and 79 outbound). With the application of internal trip capture between the proposed residential and retail uses, and pass-by trips for existing traffic that would pass-by the retail use, the project's net trip generation would be approximately 2,170 daily trips, 165 AM peak hour trips (41 inbound and 124 outbound) and 184 PM peak hour trips (110 inbound and 74 outbound).

3 Vehicle Miles Traveled Analysis

3.1 VMT Project Screening

The following screening criteria have been used in the project's VMT assessment, consistent with the City's TIA Guidelines for VMT and LOS Analysis. Per the City's guidelines, the VMT screening was conducted using the San Bernardino County Transportation Authority (SBCTA) (online) VMT Screening Tool. The results of the VMT screening analysis from the online tool are attached to this memorandum.

Step 1: Transit Priority Area (TPA) Screening*: Projects located within a TPA[1] may be presumed to have a less than significant impact absent substantial evidence to the contrary. This presumption may NOT be appropriate if the project:*

- *Has a Floor Area Ratio (FAR) of less than 0.75*
- *Includes more parking for use by residents, customers, or employees of the project than required by the jurisdiction (if the jurisdiction requires the project to supply parking)*
- *Is inconsistent with the applicable Sustainable Communities Strategy (as determined by the lead agency, with input from the Metropolitan Planning Organization)*
- *Replaces affordable residential units with a smaller number of moderate- or high-income residential units*

As shown in attached SBCTA Screening Tool worksheets, the proposed project is located within a TPA. However, the bus routes nearest to the project are OmniTrans Route 61 with 20 minute headways; Route 19 with 60 minute headways; and, Route 82 with 60+ minute headways. Also, only Route 61 is ½ mile or less from the project site. Therefore, although the screening tool indicates the project site is within a TPA, the bus routes have been verified to not have 15 minutes, or less, headways. As such, the project cannot be screened out using the proximity to transit availability criteria.

Step 2: Low VMT Area Screening: *Residential and office projects located within a low VMT- generating area may be presumed to have a less than significant impact absent substantial evidence to the contrary. In addition, other employment-related and mixed-use land use projects may qualify for the use of screening if the project can reasonably be expected to generate VMT per resident, per worker, or per service population that is similar to the existing land uses in the low VMT area.*

The SBCTA VMT screening tool was used to determine whether the proposed project would be located in a low VMT-generating area. Per the City's guidelines, a low VMT-generating area is determined as 15% below the baseline County of San Bernardino VMT per resident, per worker, or per service population. The SBCTA VMT Screening Tool raw data is provided as an attachment.

As shown in Table 2, the VMT per resident for the project TAZ is 7.4, and the County of San Bernardino VMT per resident is 16.0. Therefore, the TAZ would be 53.6% below the County's threshold, which would meet the required 15% below baseline screening criteria established in the City's guidelines. As such, the proposed project can be screened out using this criterion. However, under VMT per Service Population (SP), the project TAZ is 84.1, and the County VMT per SP is 33.4. Therefore, the TAZ would be 151.5% above the baseline criteria and would not screen out using this criterion.

[1] The City of Fontana TIA Guidelines for VMT and LOS Analysis defines a TPA as a half mile area around an existing major transit stop or an existing stop along a high-quality transit corridor, per the definitions below:
Pub. Resources Code, § 21064.3 ("'Major transit stop' means a site containing an existing rail transit station, a ferry terminal served by either a bus or rail transit service, or the intersection of two or more major bus routes with a frequency of service interval of 15 minutes or less during the morning and afternoon peak commute periods.")
Pub. Resources Code, § 21155 ("For purposes of this section, a high-quality transit corridor means a corridor with fixed route bus service with service intervals no longer than 15 minutes during peak commute hours.").

Table 2. Summary of Project TAZ VMT

Base Year (2023)	VMT
PA VMT per Resident[1]	
Project TAZ (53727301)	7.4
Jurisdiction	16.0
% Difference (Project TAZ – Jurisdiction)	**-53.6%**
Threshold	13.6
OD VMT per Service Population[1]	
Project TAZ (53727301)	84.1
Jurisdiction	33.4
% Difference (Project TAZ – Jurisdiction)	**151.5%**
Threshold	28.4

Source: SBCTA VMT Screening Tool output (attached)

[1] The TAZ of the project currently does not contain any existing residential uses so the reported VMT per Resident and VMT per SP may not be representative of the TAZ.

However, it should be noted that the TAZ of the project currently does not contain any existing residential uses so the reported VMT per Resident and VMT per SP may not be representative of the TAZ. Therefore, the parcels and their corresponding TAZs of adjacent existing multifamily residential uses similar to the proposed project were also analyzed for VMT per resident and VMT per SP to provide an accurate assessment of residential VMT in the project's TAZ. These existing parcels and their land uses are:

- Paseo Verde Apartments: 10050 Juniper Avenue, located adjacent to, and north of the proposed project, across Valley Boulevard.
- Peachtree Apartments: 16775 San Bernardino Avenue, located northeast of the proposed project, near the southeast corner of Juniper Avenue/San Bernardino Avenue.
- Juniper Village: 16700 Marygold Avenue, located northeast of the proposed project, at the northeast corner of Juniper Avenue/Marygold Avenue.
- Park Village Apartments: 10033 Juniper Avenue, located northeast of the proposed project, across from the Paseo Verde Apartments.

Tables 3, 4, and 5 summarize the VMT per Resident and VMT per SP for those adjacent parcels and TAZs with existing similar multifamily residential units.

Table 3. VMT of Paseo Verde Apartments Parcel north of Project

Base Year (2023)	VMT
PA VMT per Resident	
Project TAZ (53727201)	13.0
Jurisdiction	16.0
% Difference (Project TAZ – Jurisdiction)	**-18.8%**
Threshold	13.6
OD VMT per Service Population	
Project TAZ (53727201)	27.8
Jurisdiction	33.4
% Difference (Project TAZ – Jurisdiction)	**-16.9%**
Threshold	28.4

Source: SBCTA VMT Screening Tool output (attached)

Table 4. VMT of Peachtree Apartments and Juniper Village Parcels northeast of Project

Base Year (2023)	VMT
PA VMT per Resident	
Project TAZ (53727101)	10.2
Jurisdiction	16.0
% Difference (Project TAZ – Jurisdiction)	**-35.9%**
Threshold	13.6
OD VMT per Service Population	
Project TAZ (53727101)	28.5
Jurisdiction	33.4
% Difference (Project TAZ – Jurisdiction)	**-14.9%**
Threshold	28.4

Source: SBCTA VMT Screening Tool output (attached)

Table 5. VMT of Park Village Apartments Parcel northeast of Project

Base Year (2023)	VMT
PA VMT per Resident	
Project TAZ (53727101)	10.2
Jurisdiction	16.0
% Difference (Project TAZ – Jurisdiction)	**-35.9%**
Threshold	13.6
OD VMT per Service Population	
Project TAZ (53727101)	28.5
Jurisdiction	33.4
% Difference (Project TAZ – Jurisdiction)	**-14.9%**
Threshold	28.4

Source: SBCTA VMT Screening Tool output (attached)

Based on review of the VMT of the adjacent parcels and TAZs with existing multifamily residential units similar to those of the proposed project, those residential land uses within those TAZs generate low VMT per Resident and low VMT per SP. This is due to the proximity of the existing complementary residential, retail, and employment uses, and the proximity of existing transit stops along Sierra Avenue. The complementary uses surrounding the project site include the existing apartment complexes listed above, the adjacent Inland Empire Center shopping mall, other retail/commercial/restaurant uses adjacent to Sierra Avenue/Valley Boulevard, and the Kaiser Permanente Medical Center (employment).

Therefore, the proposed multifamily units (project) would also generate similar levels of low VMT, and the project can be screened out using the Low VMT Area Screening criteria, and impacts to VMT would be less than significant.

Step 3: Low Project Type Screening: *Local serving retail projects less than 50,000 square feet may be presumed to have a less than significant impact absent substantial evidence to the contrary. Local serving retail generally improves the convenience of shopping close to home and has the effect of reducing vehicle travel.*

The City's guidelines identify several local serving land uses; however, the proposed project is primarily a residential project with a relatively small retail component (4,000 square feet). Therefore, while the project's retail component would screen-out, the primary residential component of the project cannot be screened out from further VMT analysis using this criterion.

Step 4: Project net daily trips less than 500 ADT: *Projects that generate fewer than 500 average daily trips (ADT) would not cause a substantial increase in the total citywide or regional VMT and are therefore presumed to have a less than significant impact on VMT. Appendix B, City of Fontana SB 743 Small Project Testing, provides additional discussion and analysis regarding the application of the 500 ADT screening criteria and how it has been established within the context of CEQA.*

Projects which generate less than 500 ADT include the following:

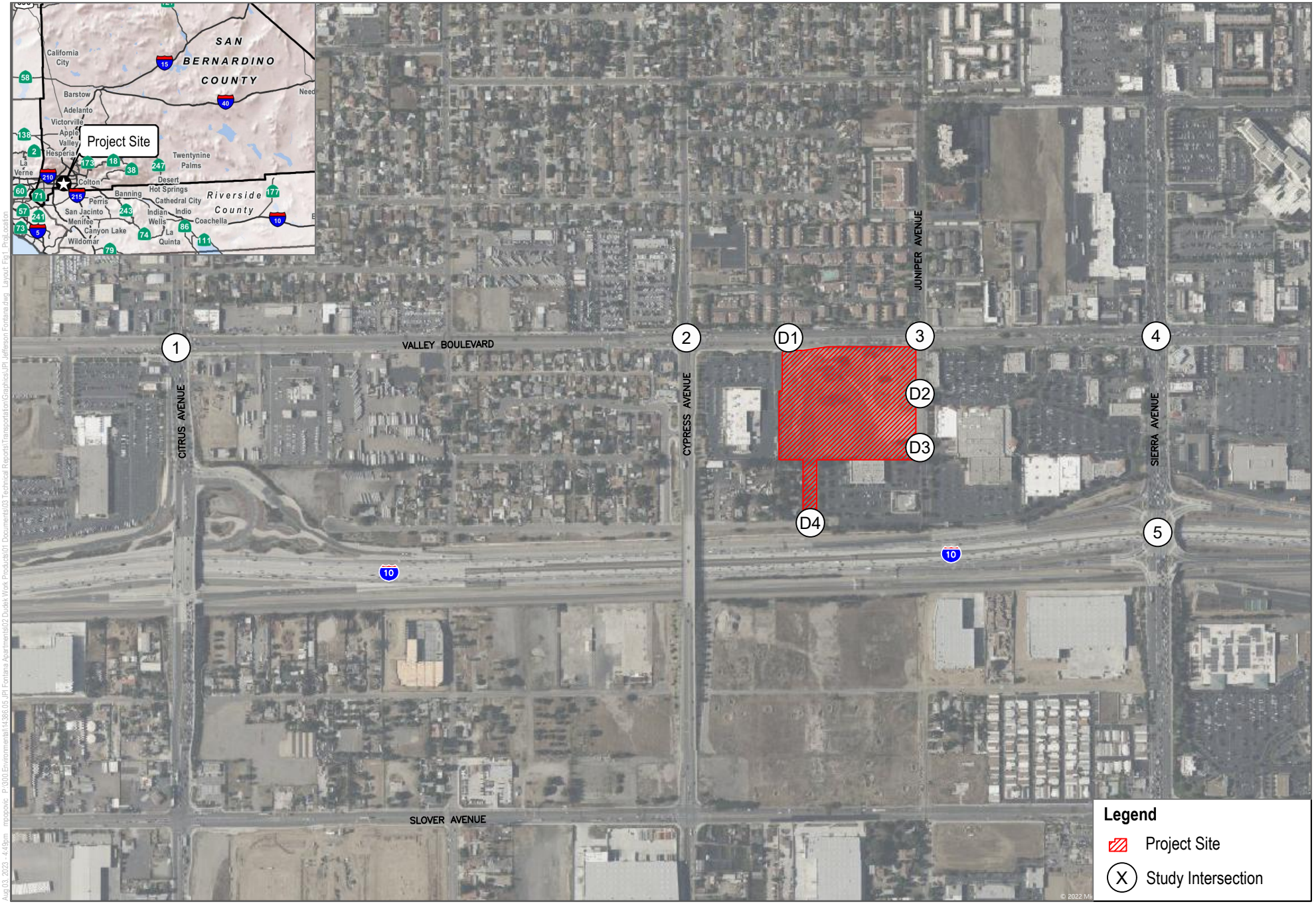
- *Single family residential – 52 Dwelling Units or fewer*
- *Multi-family residential – 68 Dwelling Units or fewer*

- *General Office – 51,000 square feet or less*
- *Light Industrial – 100,000 square feet or less*
- *Warehousing – 287,000 square feet or less*
- *High-Cube Fulfillment Center Warehouse – 357,000 square feet or less*

The proposed project is the construction and development of 437 multifamily DUs and 4,000 square feet of retail/commercial uses, estimated to generate 2,170 ADT as shown in Table 1. Therefore, the proposed project would exceed the 500 ADT screening threshold and cannot be screened out from further VMT analysis using this criterion.

4 Conclusion

As the proposed project meets one of the four screening criteria (Low VMT Area Screening) established in the City's TIA Guidelines for VMT and LOS Analysis, a project-level detailed VMT analysis would not be required, and therefore, project impacts to VMT would be less than significant.



SOURCE: Bing Maps

DUDEK

NOT TO SCALE

FIGURE 1

Project Location and Study Area

JPI Jefferson Fontana



SOURCE: MJS Landscape Architecture 2023

NOT TO SCALE

FIGURE 2

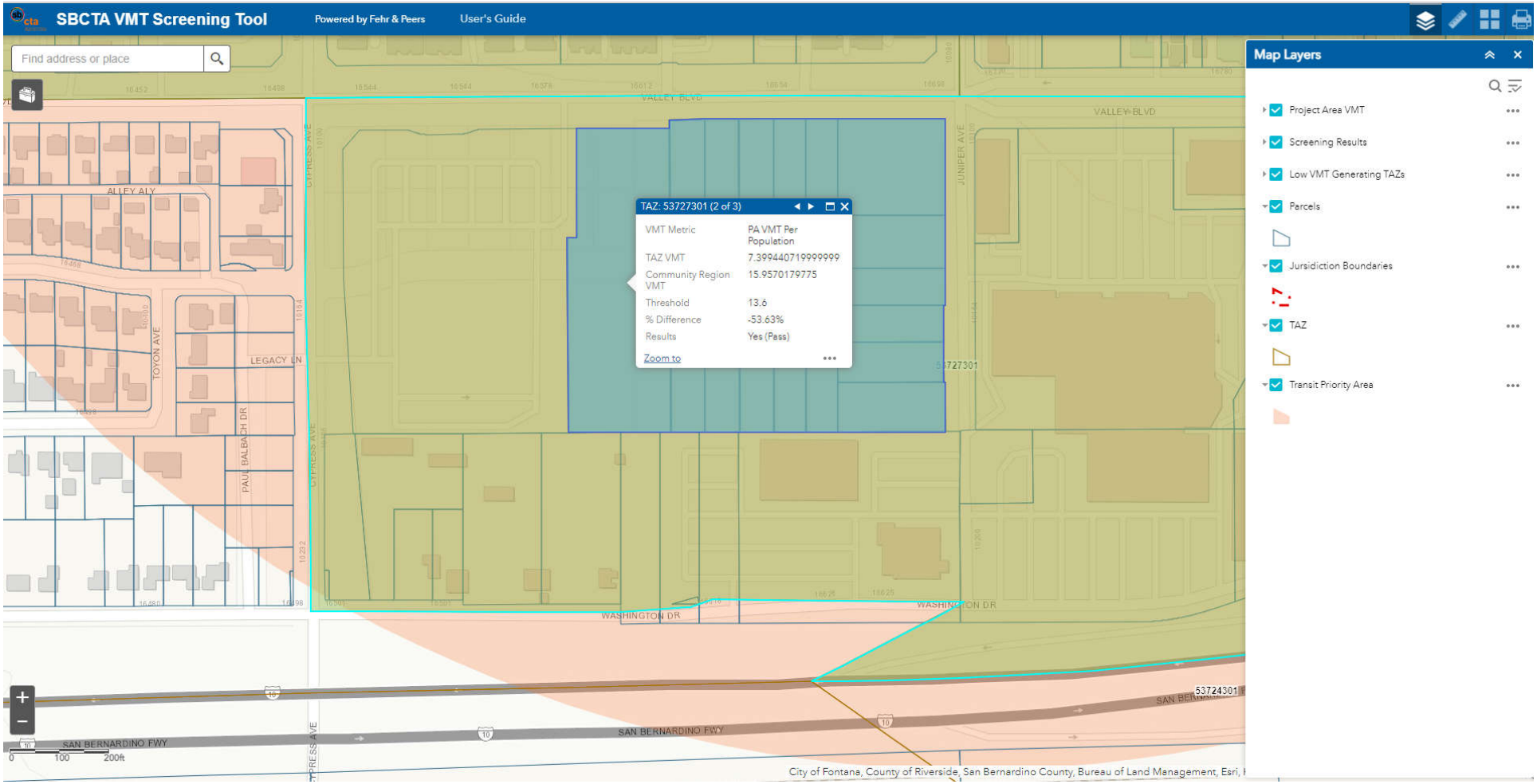
Project Site Plan

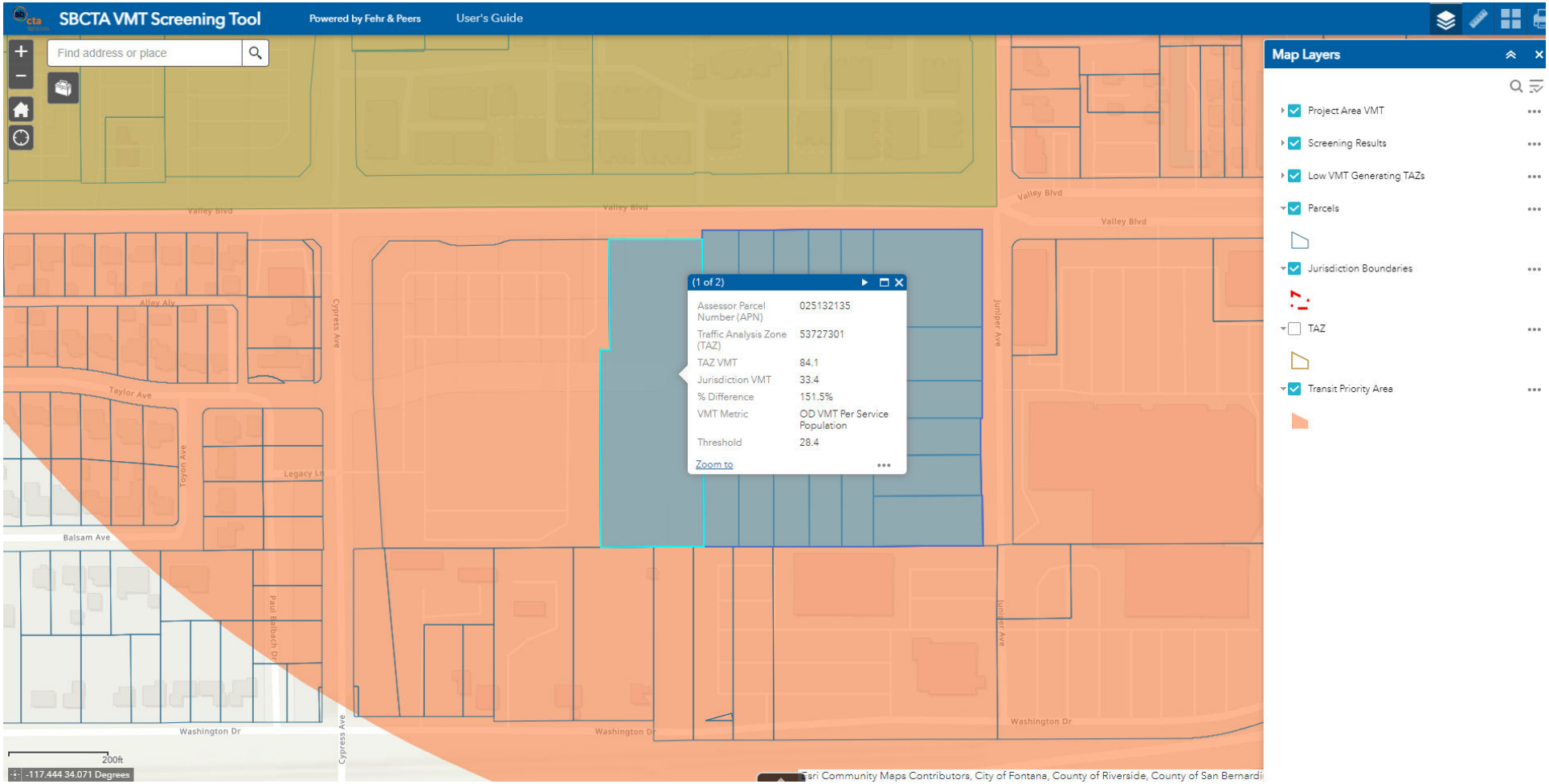
JPI Jefferson Fontana

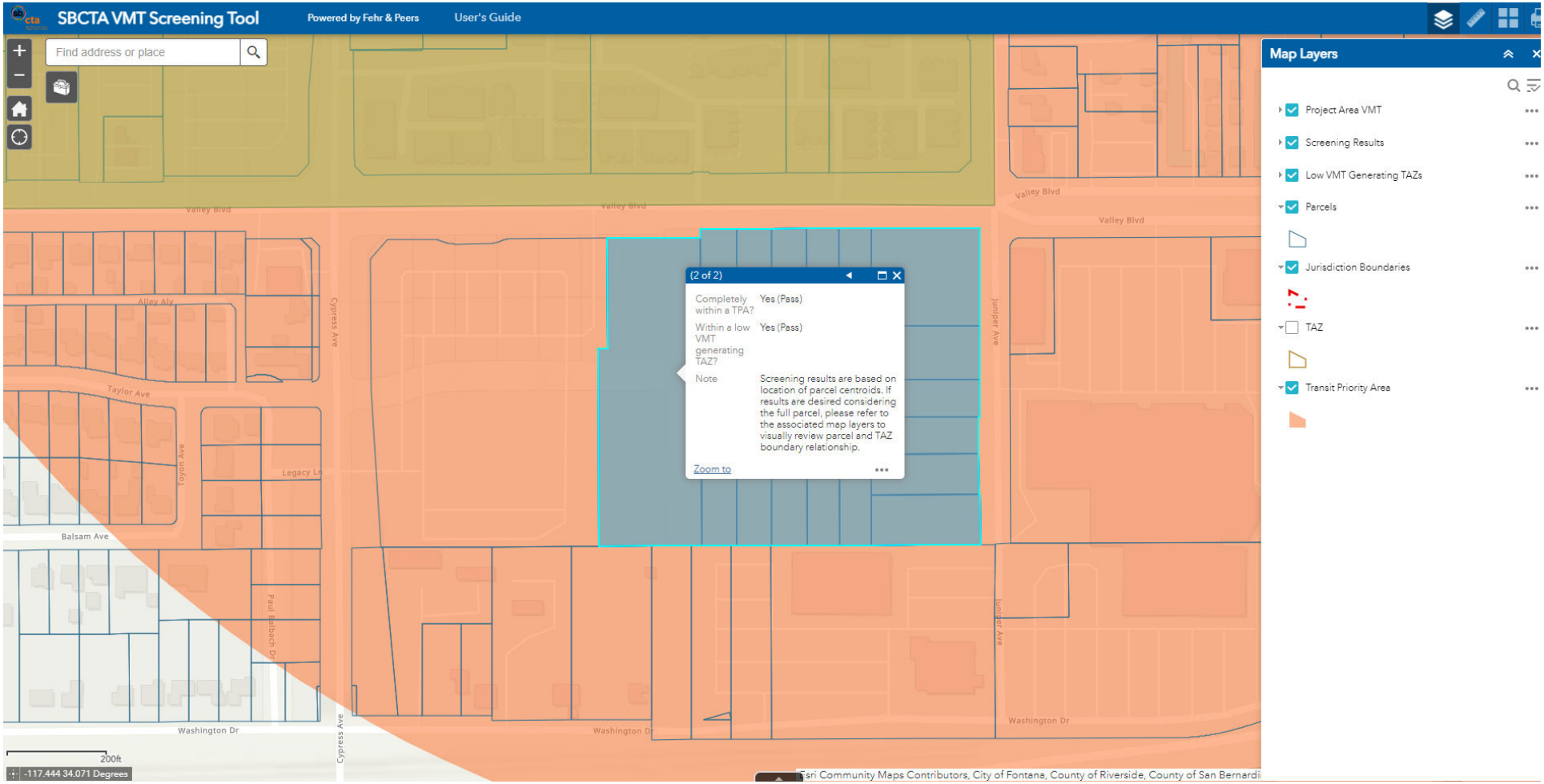
SBCTA VMT Tool: Project Site

PA VMT per Resident

OD VMT per Service Population


SBCTA VMT Screening Tool
Powered by Fehr & Peers
User's Guide
Find address or place
Map Layers
Project Area VMT
Screening Results
Low VMT Generating TAZs
Parcels
Jurisdiction Boundaries
TAZ
Transit Priority Area
TAZ: 53727301 (2 of 3)
VMT Metric
PA VMT Per Population
TAZ VMT
7.399440719999999
Community Region VMT
15.9570179775
Threshold
13.6
% Difference
-53.63%
Results
Yes (Pass)
Zoom to
53727301
53724301
VALLEY BLVD
WASHINGTON DR
SAN BERNARDINO FWY
ALLEY ALY
LEGACY LN
TOYON AVE
PAUL BALBACH DR
CYPRESS AVE
JUNIPER AVE
0
100
200ft
City of Fontana, County of Riverside, San Bernardino County, Bureau of Land Management, Esri,

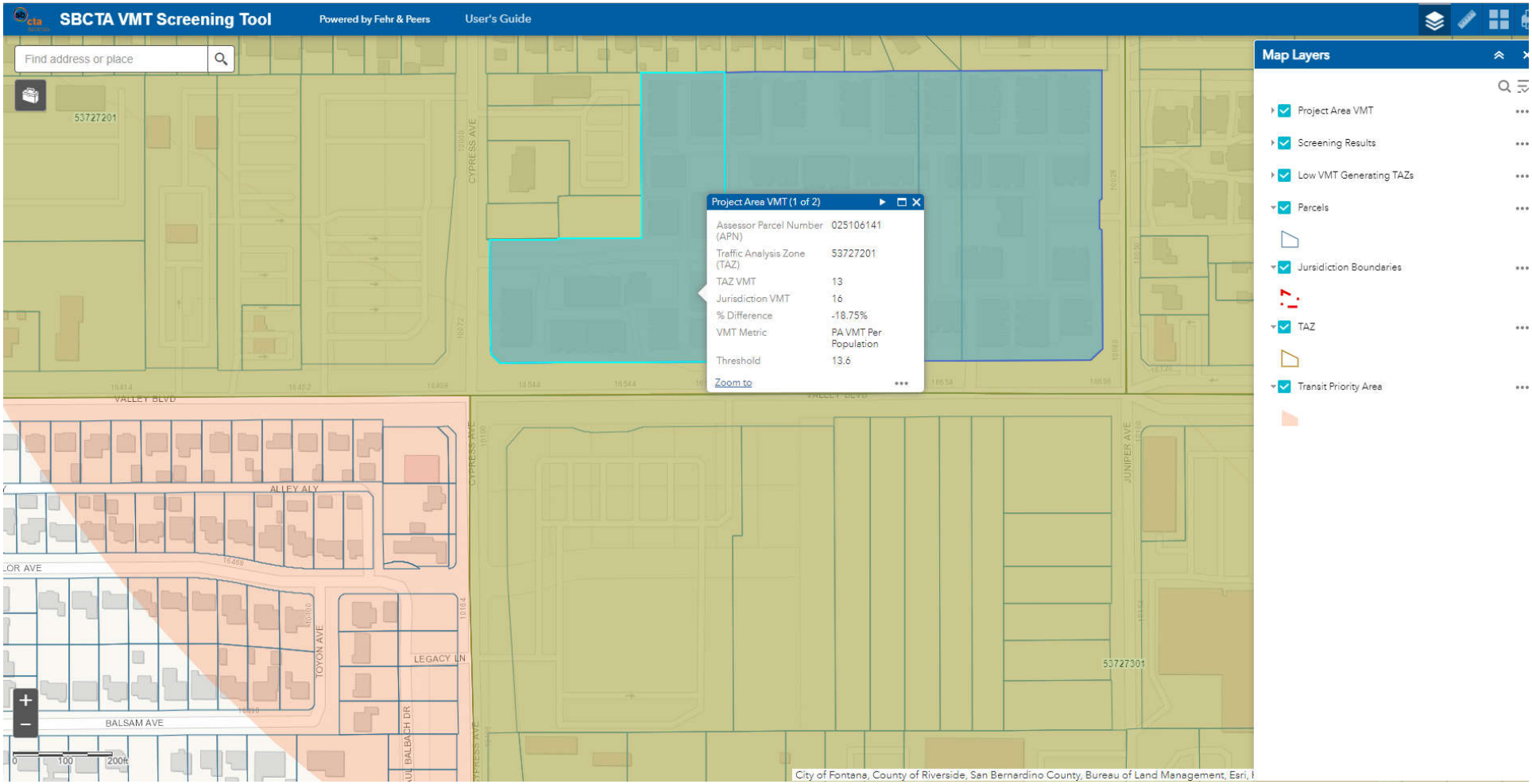

SBCTA VMT Screening Tool
Powered by Fehr & Peers
User's Guide
Find address or place
Map Layers
Project Area VMT
Screening Results
Low VMT Generating TAZs
Parcels
Jurisdiction Boundaries
TAZ
Transit Priority Area
(1 of 2)
Assessor Parcel Number (APN) 025132135
Traffic Analysis Zone (TAZ) 53727301
TAZ VMT 84.1
Jurisdiction VMT 33.4
% Difference 151.5%
VMT Metric OD VMT Per Service Population
Threshold 28.4
Zoom to
Valley Blvd
Alley Aly
Taylor Ave
Legacy Ln
Balsam Ave
Washington Dr
Cypress Ave
Juniper Ave
200ft
-117.444 34.071 Degrees
Esri Community Maps Contributors, City of Fontana, County of Riverside, County of San Bernardi

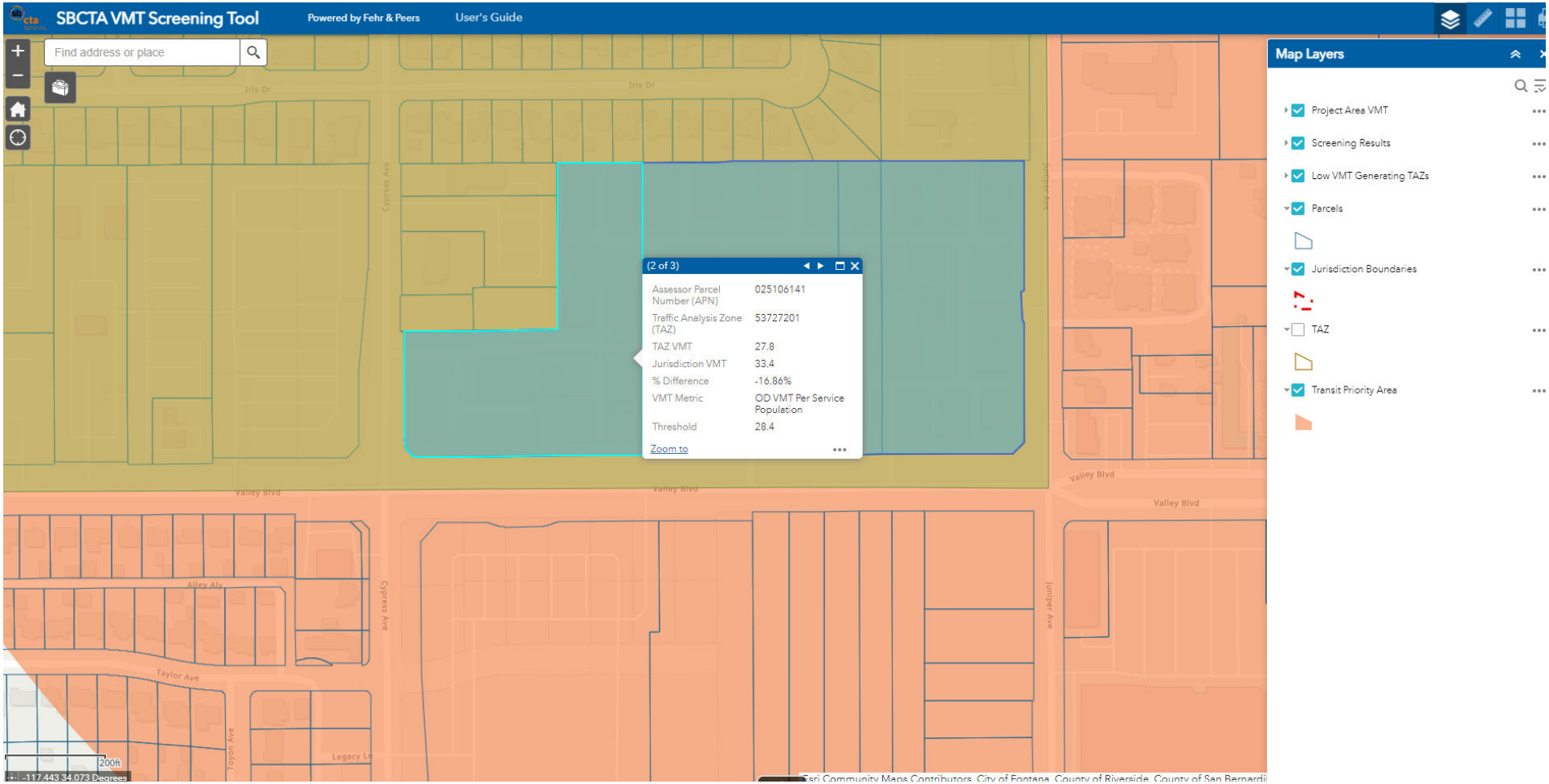

SBCTA VMT Screening Tool
Powered by Fehr & Peers
User's Guide
Find address or place
Map Layers
Project Area VMT
Screening Results
Low VMT Generating TAZs
Parcels
Jurisdiction Boundaries
TAZ
Transit Priority Area
(2 of 2)
Completely within a TPA?
Yes (Pass)
Within a low VMT generating TAZ?
Yes (Pass)
Note
Screening results are based on location of parcel centroids. If results are desired considering the full parcel, please refer to the associated map layers to visually review parcel and TAZ boundary relationship.
Zoom to
Valley Blvd
Alley Aly
Taylor Ave
Balsam Ave
Legacy Ln
Cypress Ave
Juniper Ave
Washington Dr
200ft
-117.444 34.071 Degrees
Esri Community Maps Contributors, City of Fontana, County of Riverside, County of San Bernardi

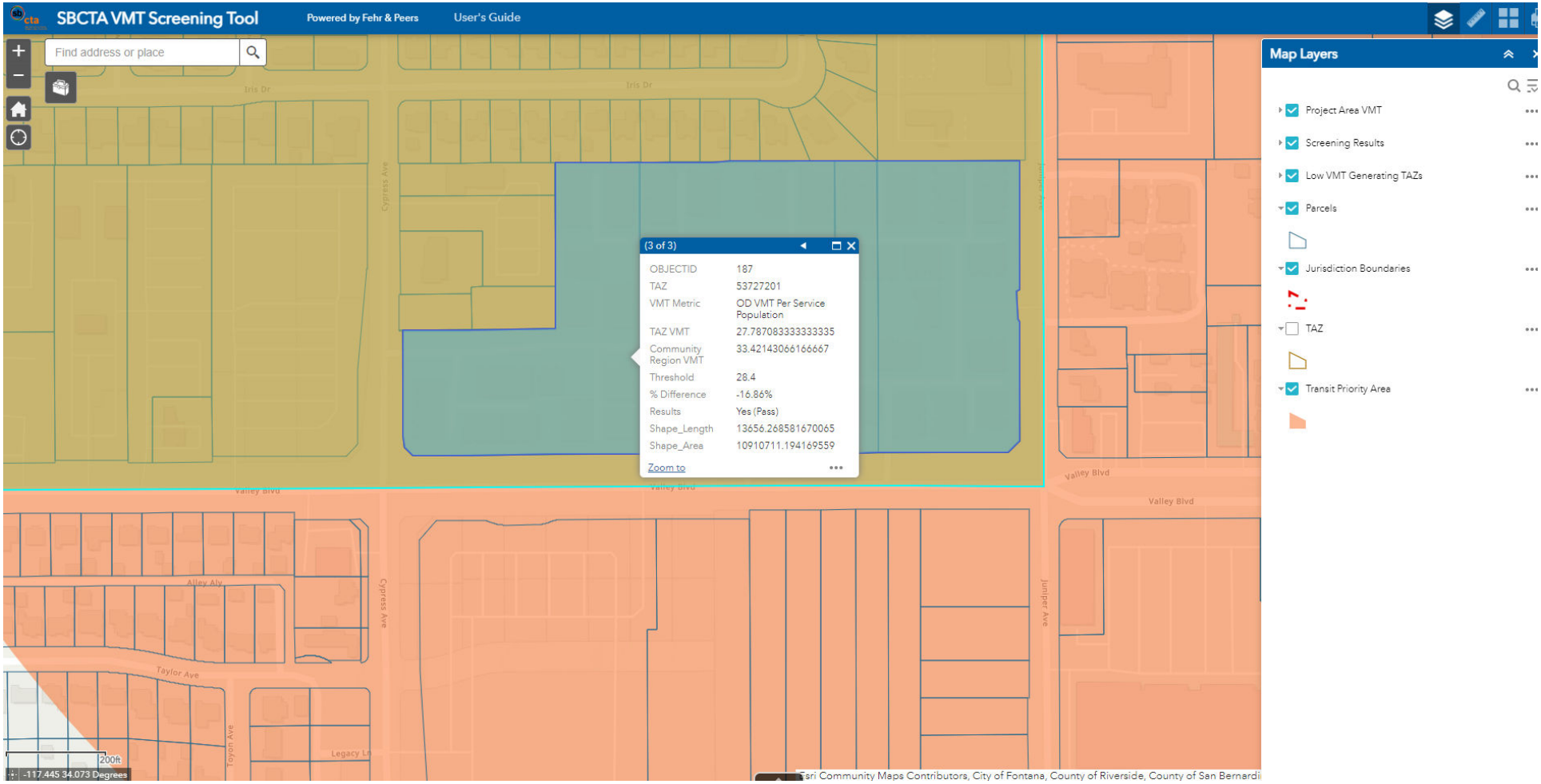
SBCTA VMT Tool: Paseo Verde Apartments Parcel

PA VMT per Resident

OD VMT per Service Population


SBCTA VMT Screening Tool
Powered by Fehr & Peers
User's Guide
Find address or place
Map Layers
Project Area VMT
Screening Results
Low VMT Generating TAZs
Parcels
Jurisdiction Boundaries
TAZ
Transit Priority Area
Project Area VMT (1 of 2)
Assessor Parcel Number (APN) 025106141
Traffic Analysis Zone (TAZ) 53727201
TAZ VMT 13
Jurisdiction VMT 16
% Difference -18.75%
VMT Metric PA VMT Per Population
Threshold 13.6
Zoom to
53727201
53727301
CYPRESS AVE
JUNIPER AVE
VALLEY BLVD
ALLEY ALY
LEGACY LN
TOYON AVE
BALSAM AVE
City of Fontana, County of Riverside, San Bernardino County, Bureau of Land Management, Esri,

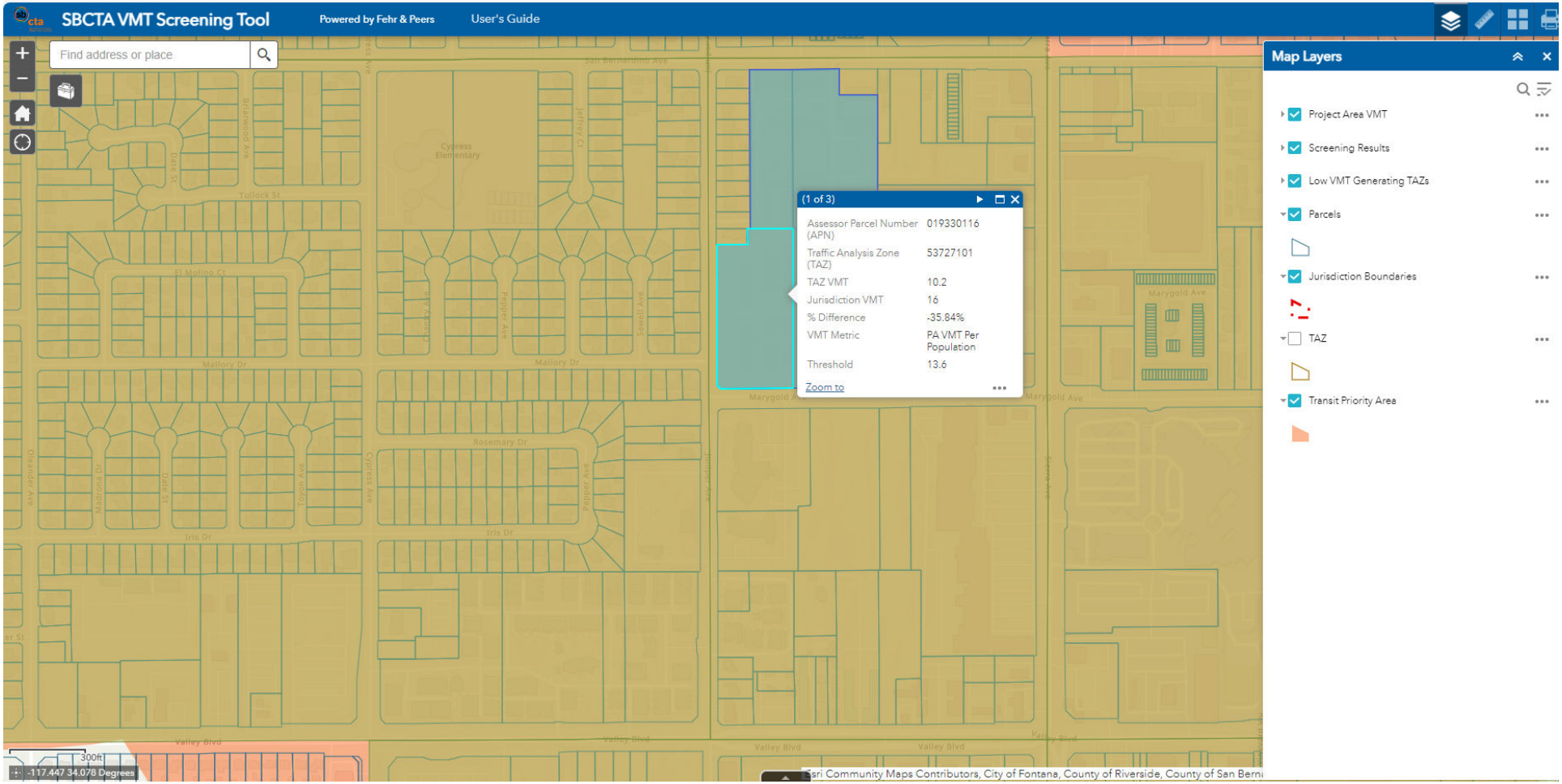

SBCTA VMT Screening Tool
Powered by Fehr & Peers
User's Guide
Find address or place
Map Layers
Project Area VMT
Screening Results
Low VMT Generating TAZs
Parcels
Jurisdiction Boundaries
TAZ
Transit Priority Area
(2 of 3)
Assessor Parcel Number (APN) 025106141
Traffic Analysis Zone (TAZ) 53727201
TAZ VMT 27.8
Jurisdiction VMT 33.4
% Difference -16.86%
VMT Metric OD VMT Per Service Population
Threshold 28.4
Zoom to
Iris Dr
Cypress Ave
Juniper Ave
Valley Blvd
Alley Aly
Taylor Ave
Toyon Ave
Legacy Ln
200ft
-117.443 34.073 Degrees
Esri Community Maps Contributors, City of Fontana, County of Riverside, County of San Bernardi

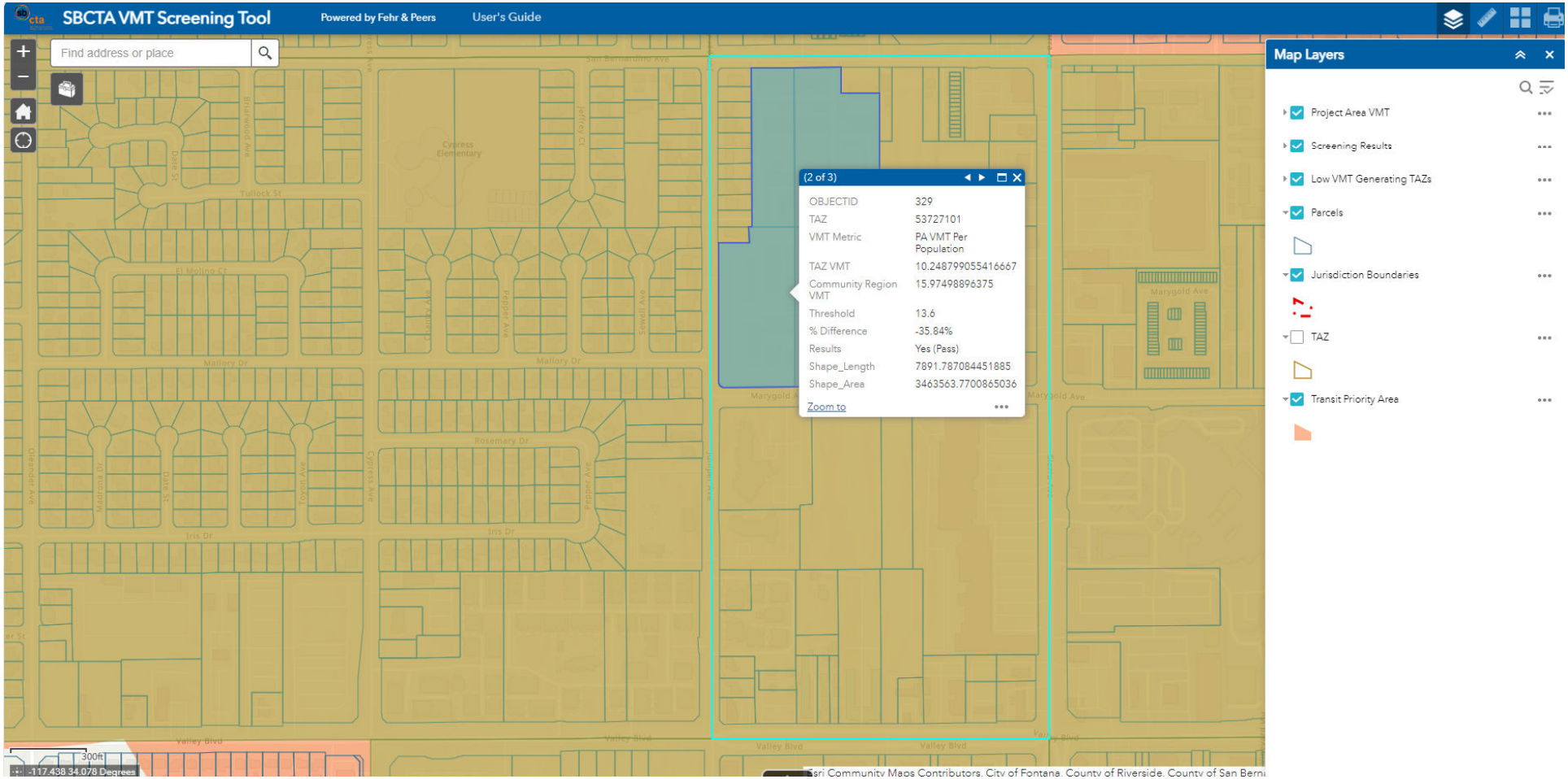

SBCTA VMT Screening Tool
Powered by Fehr & Peers
User's Guide
Find address or place
Iris Dr
Cypress Ave
Valley Blvd
Alley Aly
Taylor Ave
Toyon Ave
Juniper Ave
Legacy Ln
(3 of 3)
OBJECTID 187
TAZ 53727201
VMT Metric OD VMT Per Service Population
TAZ VMT 27.787083333333335
Community Region VMT 33.42143066166667
Threshold 28.4
% Difference -16.86%
Results Yes (Pass)
Shape_Length 13656.268581670065
Shape_Area 10910711.194169559
Zoom to
Map Layers
Project Area VMT
Screening Results
Low VMT Generating TAZs
Parcels
Jurisdiction Boundaries
TAZ
Transit Priority Area
200ft
-117.445 34.073 Degrees
Esri Community Maps Contributors, City of Fontana, County of Riverside, County of San Bernardi

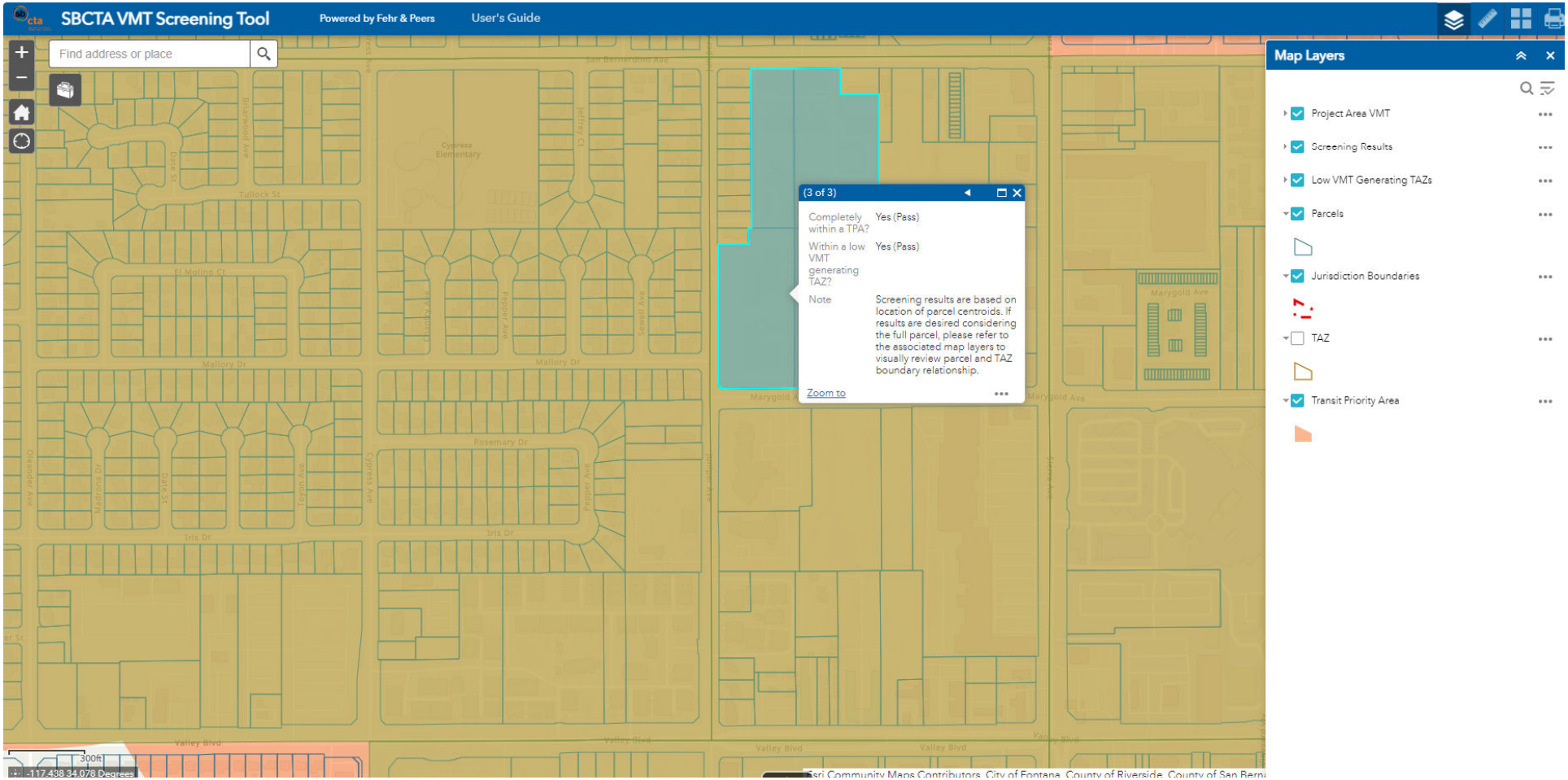
SBCTA VMT Tool: Peachtree Apartments and Juniper Village Parcels

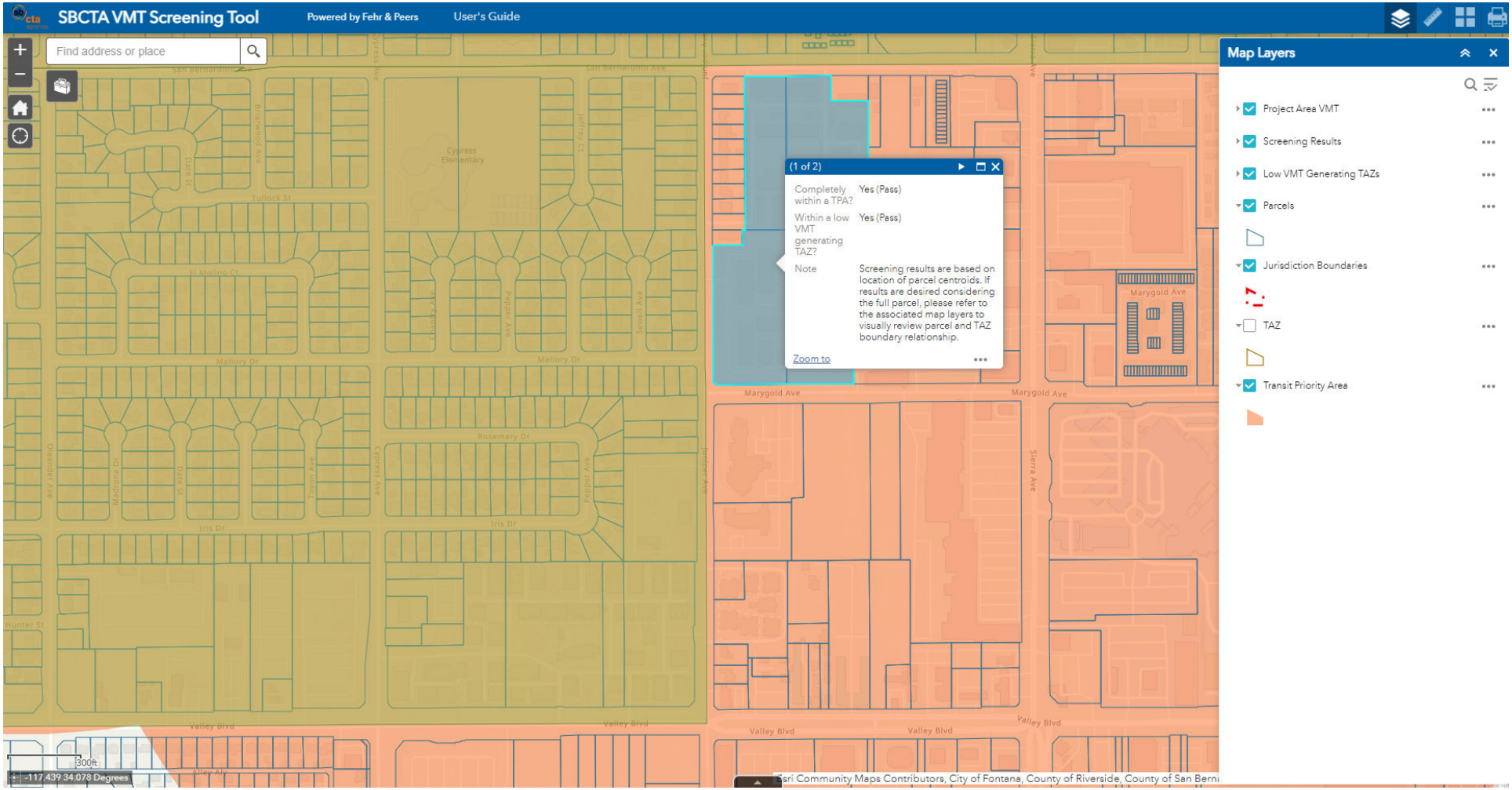
PA VMT per Resident

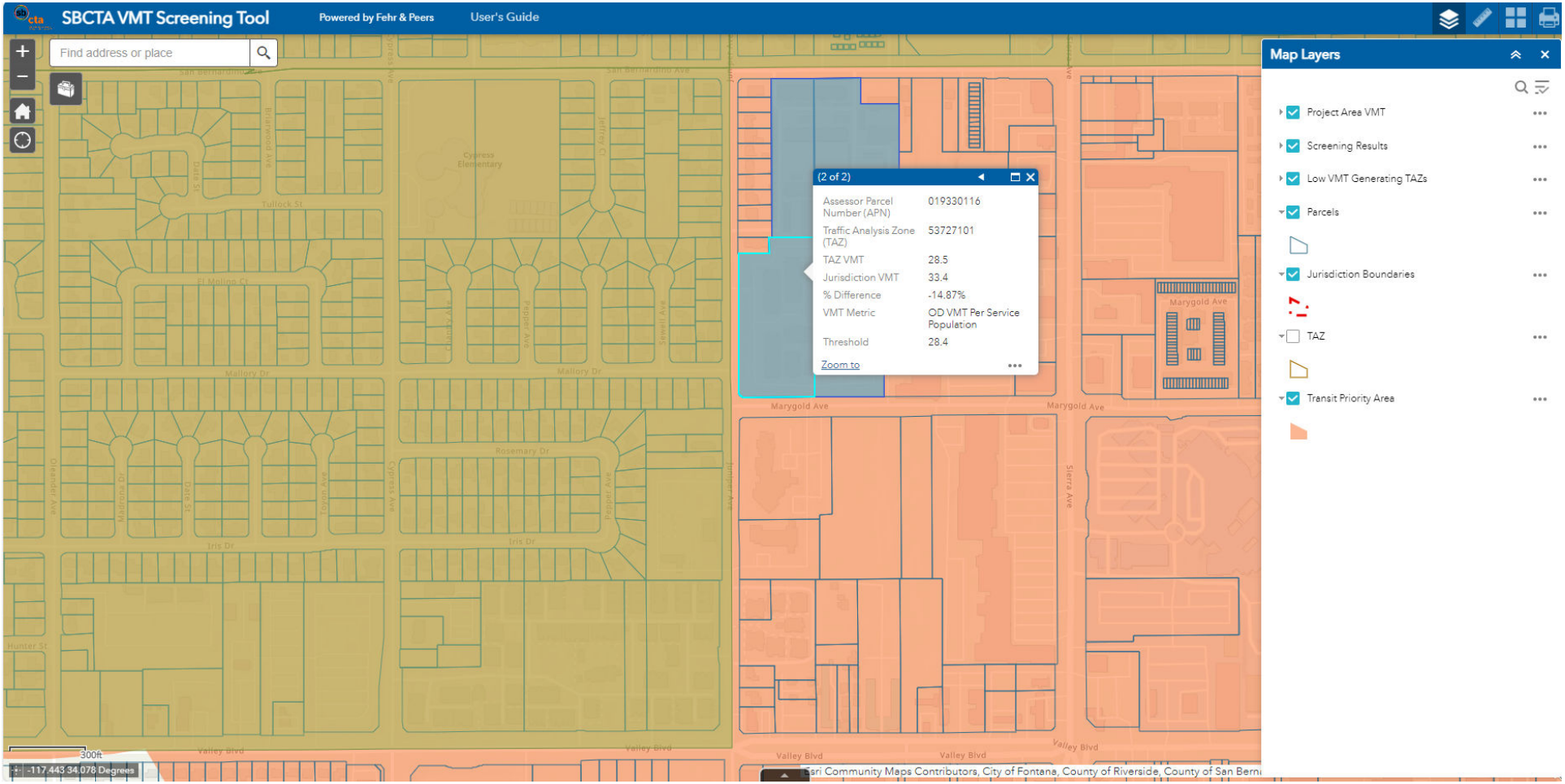
OD VMT per Service Population


SBCTA VMT Screening Tool
Powered by Fehr & Peers
User's Guide
Find address or place
Map Layers
Project Area VMT
Screening Results
Low VMT Generating TAZs
Parcels
Jurisdiction Boundaries
TAZ
Transit Priority Area
(1 of 3)
Assessor Parcel Number (APN) 019330116
Traffic Analysis Zone (TAZ) 53727101
TAZ VMT 10.2
Jurisdiction VMT 16
% Difference -35.84%
VMT Metric PA VMT Per Population
Threshold 13.6
Zoom to
Cypress Elementary
Mallory Dr
Rosemary Dr
Iris Dr
Marygold Ave
Valley Blvd
300ft
-117.447 34.078 Degrees
Esri Community Maps Contributors, City of Fontana, County of Riverside, County of San Berni


SBCTA VMT Screening Tool
Powered by Fehr & Peers
User's Guide
Find address or place
Map Layers
Project Area VMT
Screening Results
Low VMT Generating TAZs
Parcels
Jurisdiction Boundaries
TAZ
Transit Priority Area
(2 of 3)
OBJECTID 329
TAZ 53727101
VMT Metric PA VMT Per Population
TAZ VMT 10.248799055416667
Community Region VMT 15.97498896375
Threshold 13.6
% Difference -35.84%
Results Yes (Pass)
Shape_Length 7891.787084451885
Shape_Area 3463563.7700865036
Zoom to
Cypress Elementary
Mallory Dr
Rosemary Dr
Iris Dr
Valley Blvd
Marygold Ave
300ft
-117.438 34.078 Degrees
Esri Community Maps Contributors, City of Fontana, County of Riverside, County of San Berni


SBCTA VMT Screening Tool
Powered by Fehr & Peers
User's Guide
Find address or place
Map Layers
Project Area VMT
Screening Results
Low VMT Generating TAZs
Parcels
Jurisdiction Boundaries
TAZ
Transit Priority Area
(3 of 3)
Completely within a TPA?
Yes (Pass)
Within a low VMT generating TAZ?
Yes (Pass)
Note
Screening results are based on location of parcel centroids. If results are desired considering the full parcel, please refer to the associated map layers to visually review parcel and TAZ boundary relationship.
Zoom to
San Bernardino Ave
Tullock St
El Molino Ct
Mallory Dr
Rosemary Dr
Iris Dr
Marygold Ave
Valley Blvd
Cypress Elementary
300ft
-117.438 34.078 Degrees
Esri Community Maps Contributors, City of Fontana, County of Riverside, County of San Bern

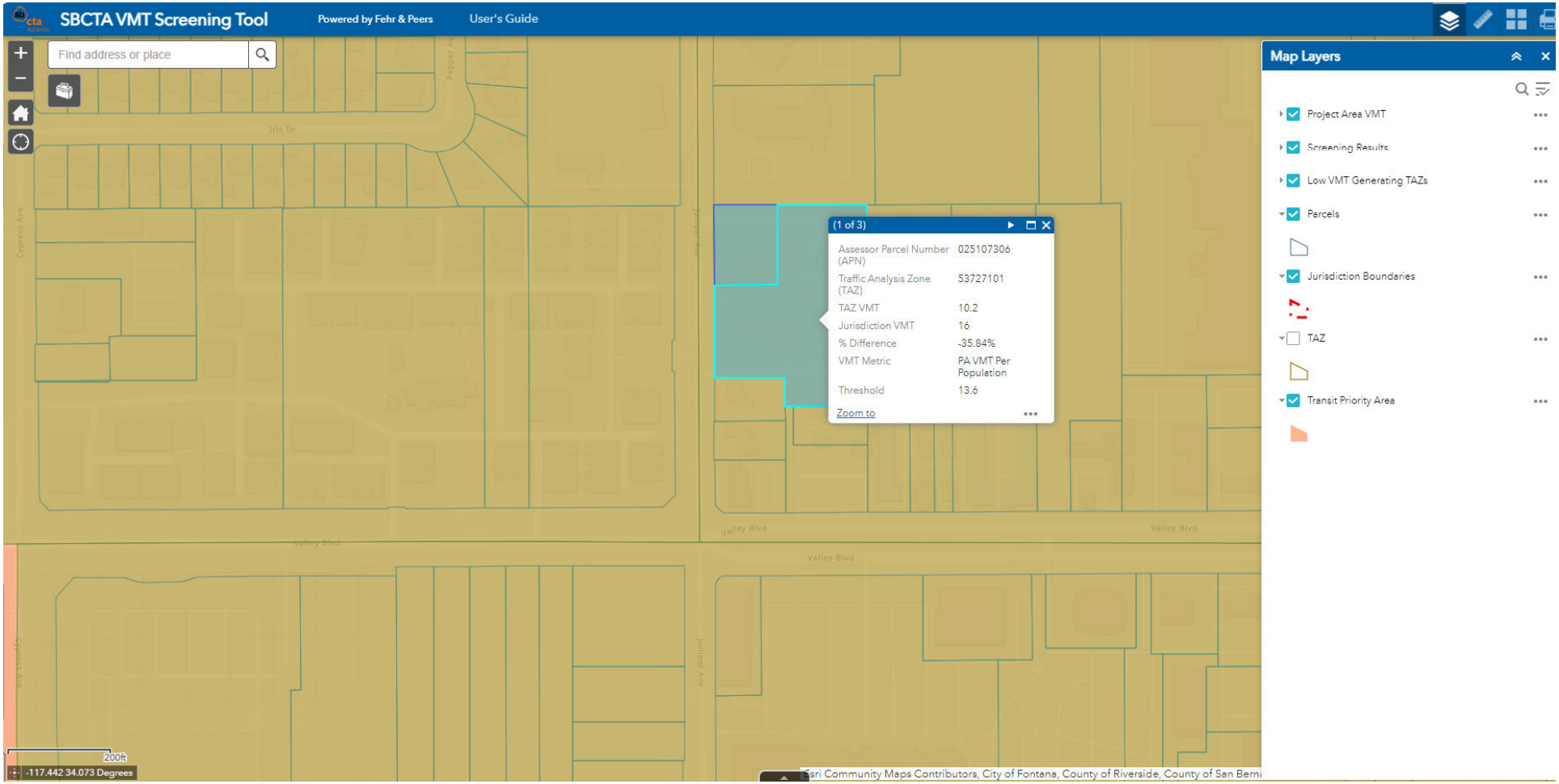

SBCTA VMT Screening Tool
Powered by Fehr & Peers
User's Guide
Find address or place
Map Layers
Project Area VMT
Screening Results
Low VMT Generating TAZs
Parcels
Jurisdiction Boundaries
TAZ
Transit Priority Area
(1 of 2)
Completely within a TPA?
Yes (Pass)
Within a low VMT generating TAZ?
Yes (Pass)
Note
Screening results are based on location of parcel centroids. If results are desired considering the full parcel, please refer to the associated map layers to visually review parcel and TAZ boundary relationship.
Zoom to
Marygold Ave
Valley Blvd
Sierra Ave
Cypress Ave
Mallory Dr
Rosemary Dr
Iris Dr
Tullock St
El Molino Ct
Hunter St
Cypress Elementary
300ft
-117.439 34.078 Degrees
Esri Community Maps Contributors, City of Fontana, County of Riverside, County of San Berni

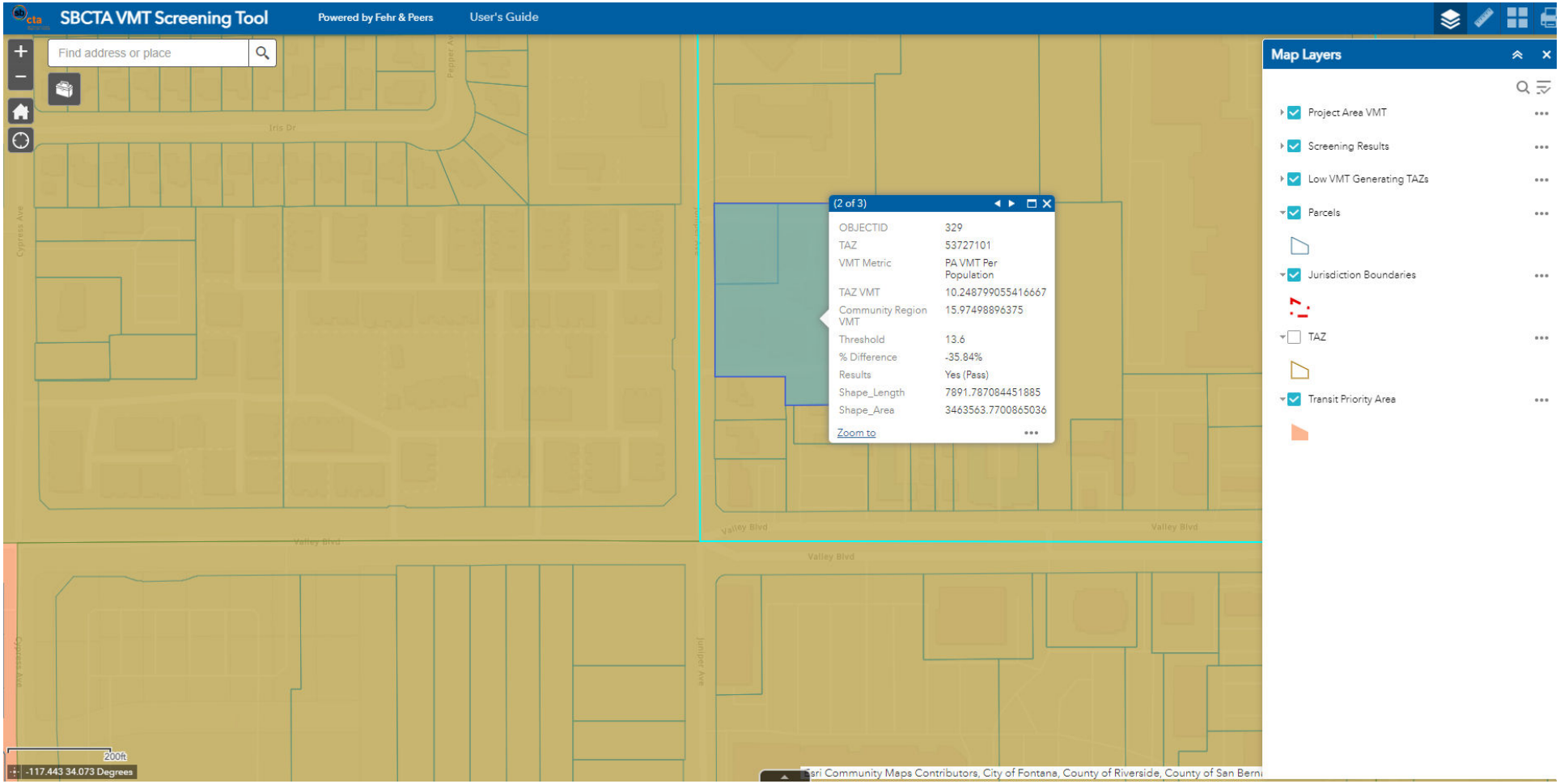

SBCTA VMT Screening Tool
Powered by Fehr & Peers
User's Guide
Find address or place
Map Layers
Project Area VMT
Screening Results
Low VMT Generating TAZs
Parcels
Jurisdiction Boundaries
TAZ
Transit Priority Area
(2 of 2)
Assessor Parcel Number (APN) 019330116
Traffic Analysis Zone (TAZ) 53727101
TAZ VMT 28.5
Jurisdiction VMT 33.4
% Difference -14.87%
VMT Metric OD VMT Per Service Population
Threshold 28.4
Zoom to
Marygold Ave
Valley Blvd
Mallory Dr
Rosemary Dr
Iris Dr
Hunter St
Tullock St
El Molino Ct
Cypress Elementary
Sierra Ave
Cypress Ave
Locust Ave
Juniper Ave
Date St
Madrona Dr
Dresander Ave
Briarwood Ave
Jeffrey Ct
300ft
-117.443 34.078 Degrees
Esri Community Maps Contributors, City of Fontana, County of Riverside, County of San Berni

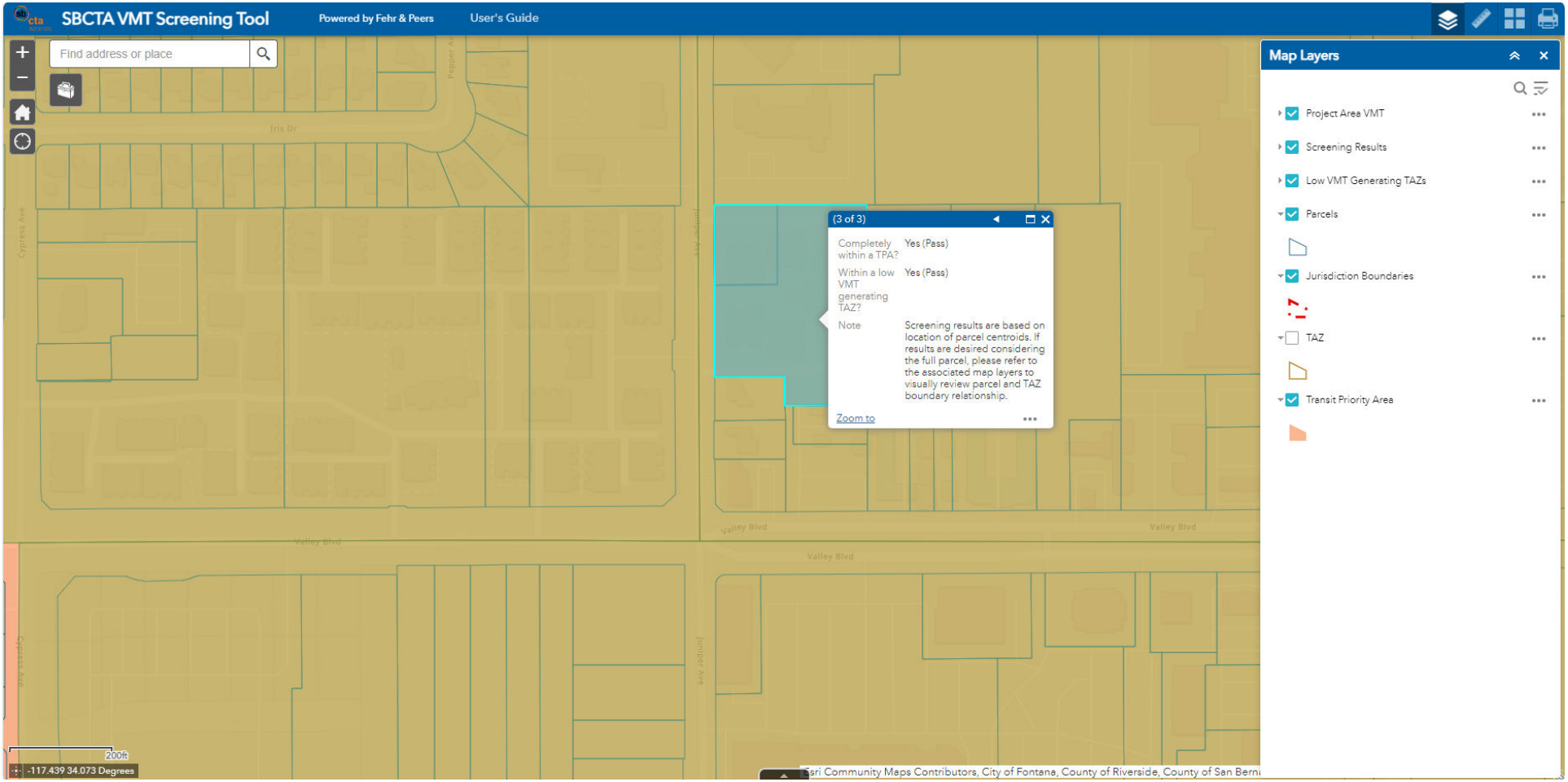
SBCTA VMT Tool: Park Village Apartments Parcel

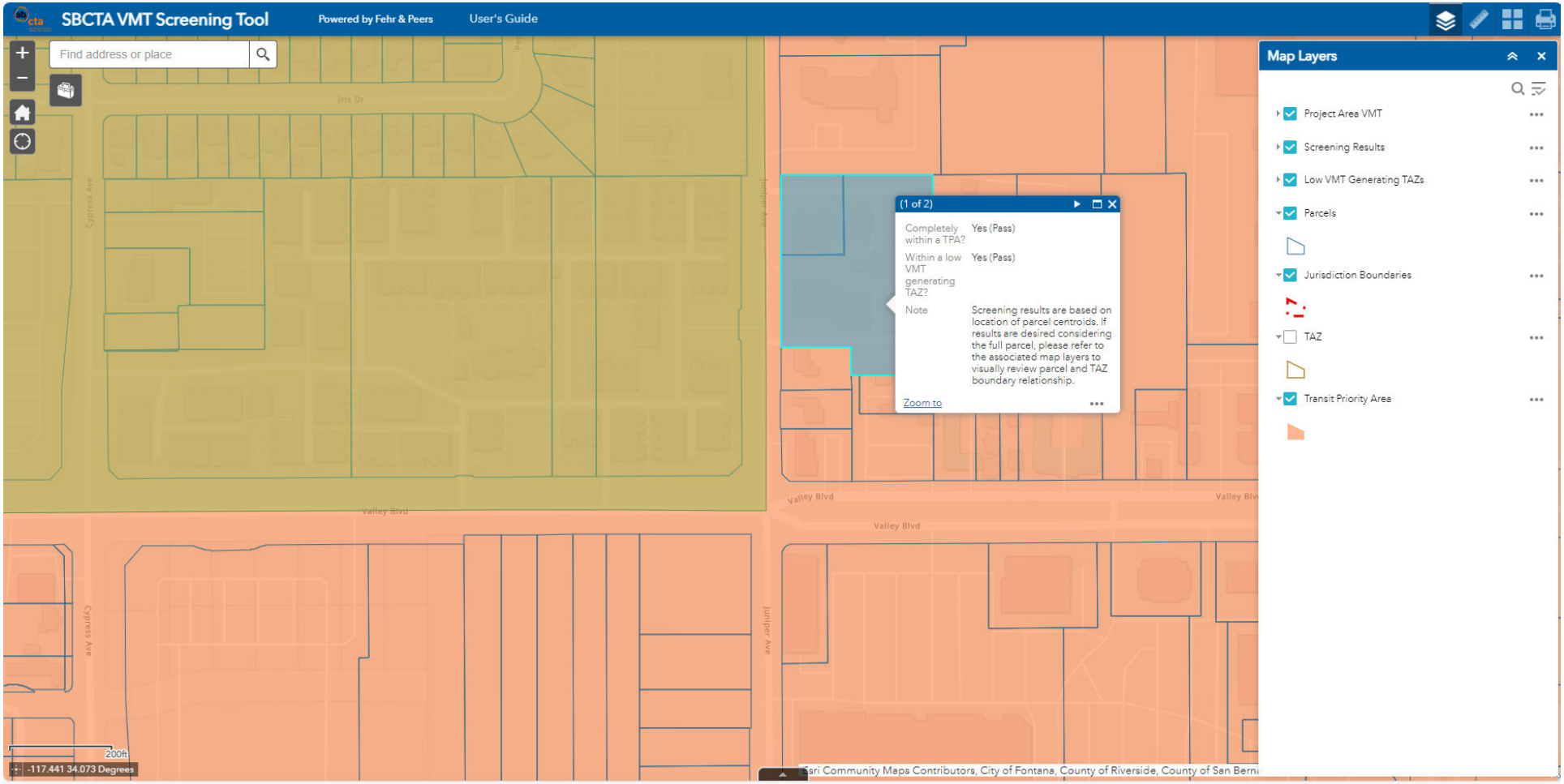
PA VMT per Resident

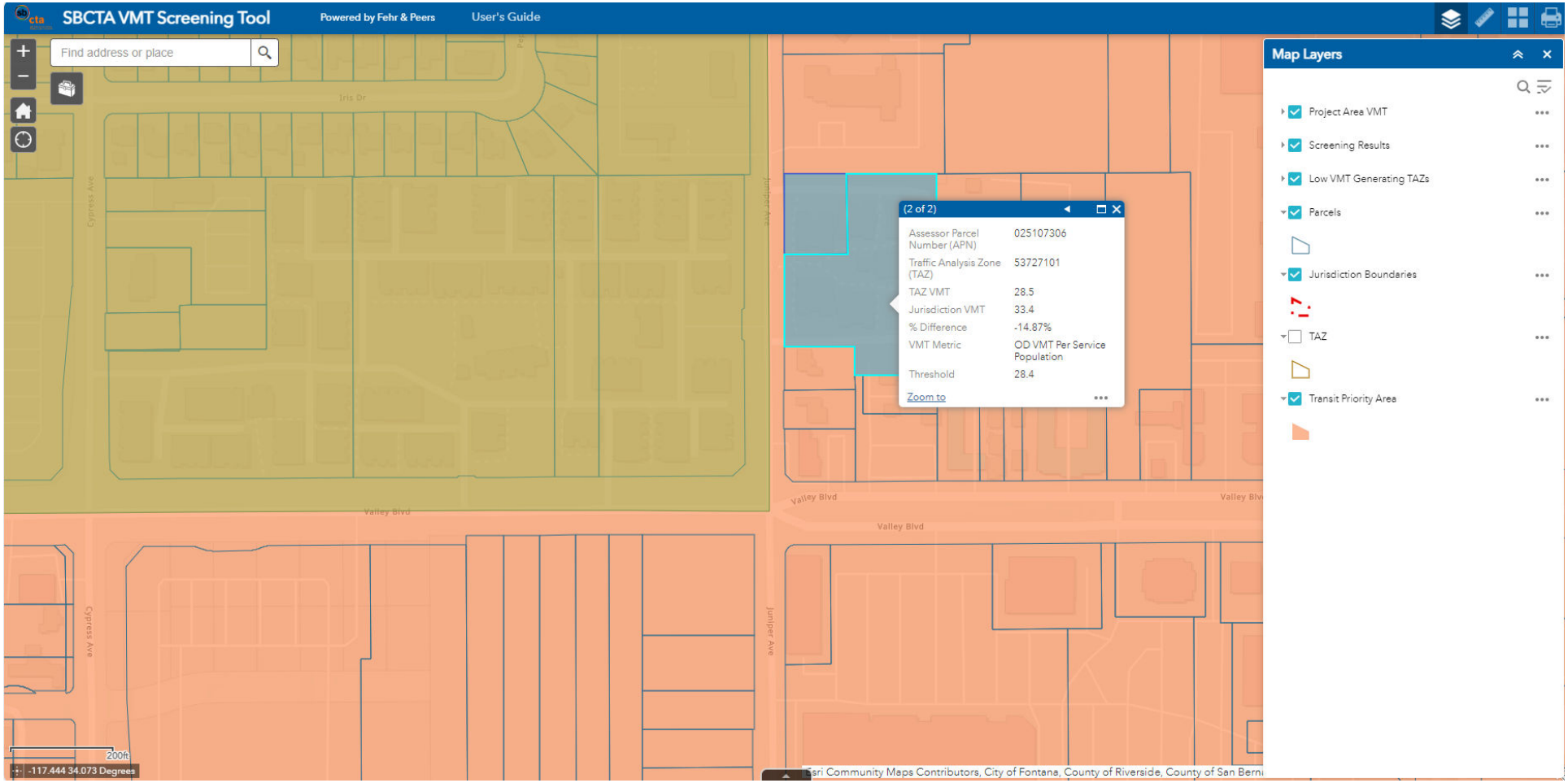
OD VMT per Service Population


SBCTA VMT Screening Tool
Powered by Fehr & Peers
User's Guide
Find address or place
Iris Dr
Pepper Ave
Cypress Ave
Juniper Ave
Valley Blvd
(1 of 3)
Assessor Parcel Number (APN) 025107306
Traffic Analysis Zone (TAZ) 53727101
TAZ VMT 10.2
Jurisdiction VMT 16
% Difference -35.84%
VMT Metric PA VMT Per Population
Threshold 13.6
Zoom to
Map Layers
Project Area VMT
Screening Results
Low VMT Generating TAZs
Parcels
Jurisdiction Boundaries
TAZ
Transit Priority Area
200ft
-117.442 34.073 Degrees
Esri Community Maps Contributors, City of Fontana, County of Riverside, County of San Berni


SBCTA VMT Screening Tool
Powered by Fehr & Peers
User's Guide
Find address or place
Iris Dr
Valley Blvd
Cypress Ave
Juniper Ave
(2 of 3)
OBJECTID 329
TAZ 53727101
VMT Metric PA VMT Per Population
TAZ VMT 10.248799055416667
Community Region VMT 15.97498896375
Threshold 13.6
% Difference -35.84%
Results Yes (Pass)
Shape_Length 7891.787084451885
Shape_Area 3463563.7700865036
Zoom to
Map Layers
Project Area VMT
Screening Results
Low VMT Generating TAZs
Parcels
Jurisdiction Boundaries
TAZ
Transit Priority Area
200ft
-117.443 34.073 Degrees
Esri Community Maps Contributors, City of Fontana, County of Riverside, County of San Berni


SBCTA VMT Screening Tool
Powered by Fehr & Peers
User's Guide
Find address or place
Map Layers
Project Area VMT
Screening Results
Low VMT Generating TAZs
Parcels
Jurisdiction Boundaries
TAZ
Transit Priority Area
(3 of 3)
Completely within a TPA?
Yes (Pass)
Within a low VMT generating TAZ?
Yes (Pass)
Note
Screening results are based on location of parcel centroids. If results are desired considering the full parcel, please refer to the associated map layers to visually review parcel and TAZ boundary relationship.
Zoom to
Iris Dr
Valley Blvd
Cypress Ave
Juniper Ave
200ft
-117.439 34.073 Degrees
Esri Community Maps Contributors, City of Fontana, County of Riverside, County of San Bern


SBCTA VMT Screening Tool
Powered by Fehr & Peers
User's Guide
Find address or place
Iris Dr
Cypress Ave
Juniper Ave
Valley Blvd
(1 of 2)
Completely within a TPA?
Yes (Pass)
Within a low VMT generating TAZ?
Yes (Pass)
Note
Screening results are based on location of parcel centroids. If results are desired considering the full parcel, please refer to the associated map layers to visually review parcel and TAZ boundary relationship.
Zoom to
Map Layers
Project Area VMT
Screening Results
Low VMT Generating TAZs
Parcels
Jurisdiction Boundaries
TAZ
Transit Priority Area
200ft
-117.441 34.073 Degrees
Esri Community Maps Contributors, City of Fontana, County of Riverside, County of San Berni


SBCTA VMT Screening Tool
Powered by Fehr & Peers
User's Guide
Find address or place
Iris Dr
Cypress Ave
Juniper Ave
Valley Blvd
(2 of 2)
Assessor Parcel Number (APN) 025107306
Traffic Analysis Zone (TAZ) 53727101
TAZ VMT 28.5
Jurisdiction VMT 33.4
% Difference -14.87%
VMT Metric OD VMT Per Service Population
Threshold 28.4
Zoom to
Map Layers
Project Area VMT
Screening Results
Low VMT Generating TAZs
Parcels
Jurisdiction Boundaries
TAZ
Transit Priority Area
200ft
-117.444 34.073 Degrees
Esri Community Maps Contributors, City of Fontana, County of Riverside, County of San Berni