Appendix A

Air Quality and GHG Modeling Worksheets

CVSan

Alameda County, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Light Industry	0.50	1000sqft	0.01	500.00	0
Industrial Park	13.14	1000sqft	0.30	13,140.00	0
Parking Lot	55.00	Space	0.49	22,000.00	0
City Park	0.50	Acre	0.50	21,780.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	63
Climate Zone	5			**Operational Year**	2022
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity (lb/MWhr)	641.35	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use -

Area Mitigation -

Water Mitigation -

Stationary Sources - Emergency Generators and Fire Pumps - 2kW SSO/ER Generator (CARB Compliant), 4 hours testing monthly, max 8 hour outage occuring.

Demolition -

Table Name	Column Name	Default Value	New Value
tblStationaryGeneratorsPumpsUse	HorsePowerValue	0.00	2.00
tblStationaryGeneratorsPumpsUse	HoursPerDay	0.00	8.00
tblStationaryGeneratorsPumpsUse	HoursPerYear	0.00	56.00
tblStationaryGeneratorsPumpsUse	NumberOfEquipment	0.00	1.00

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					
2021	15.3791	20.5405	14.9685	0.0274	5.8653	1.0441	6.6311	2.9711	0.9745	3.6757	0.0000	2,666.4936	2,666.4936	0.6092	0.0000	2,681.7229
Maximum	**15.3791**	**20.5405**	**14.9685**	**0.0274**	**5.8653**	**1.0441**	**6.6311**	**2.9711**	**0.9745**	**3.6757**	**0.0000**	**2,666.4936**	**2,666.4936**	**0.6092**	**0.0000**	**2,681.7229**

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					
2021	15.3791	20.5405	14.9685	0.0274	5.8653	1.0441	6.6311	2.9711	0.9745	3.6757	0.0000	2,666.4936	2,666.4936	0.6092	0.0000	2,681.7229
Maximum	**15.3791**	**20.5405**	**14.9685**	**0.0274**	**5.8653**	**1.0441**	**6.6311**	**2.9711**	**0.9745**	**3.6757**	**0.0000**	**2,666.4936**	**2,666.4936**	**0.6092**	**0.0000**	**2,681.7229**

	ROG	NOx	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**

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	0.3430	6.0000e-005	7.0700e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005		0.0151	0.0151	4.0000e-005		0.0161
Energy	7.8700e-003	0.0716	0.0601	4.3000e-004		5.4400e-003	5.4400e-003		5.4400e-003	5.4400e-003		85.8570	85.8570	1.6500e-003	1.5700e-003	86.3672
Mobile	0.1597	1.1175	1.9079	7.0300e-003	0.5755	6.7800e-003	0.5823	0.1542	6.3800e-003	0.1606		714.7269	714.7269	0.0311		715.5037
Stationary	0.1408	0.0136	0.3666	5.0000e-005		7.8000e-004	7.8000e-004		7.8000e-004	7.8000e-004		8.9938	8.9938	0.0188		9.4639
Total	**0.6513**	**1.2027**	**2.3417**	**7.5100e-003**	**0.5755**	**0.0130**	**0.5885**	**0.1542**	**0.0126**	**0.1668**		**809.5927**	**809.5927**	**0.0516**	**1.5700e-003**	**811.3508**

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	lb/day										lb/day					
Area	0.3430	6.0000e-005	7.0700e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005		0.0151	0.0151	4.0000e-005		0.0161
Energy	7.8700e-003	0.0716	0.0601	4.3000e-004		5.4400e-003	5.4400e-003		5.4400e-003	5.4400e-003		85.8570	85.8570	1.6500e-003	1.5700e-003	86.3672
Mobile	0.1597	1.1175	1.9079	7.0300e-003	0.5755	6.7800e-003	0.5823	0.1542	6.3800e-003	0.1606		714.7269	714.7269	0.0311		715.5037
Stationary	0.1408	0.0136	0.3666	5.0000e-005		7.8000e-004	7.8000e-004		7.8000e-004	7.8000e-004		8.9938	8.9938	0.0188		9.4639
Total	**0.6513**	**1.2027**	**2.3417**	**7.5100e-003**	**0.5755**	**0.0130**	**0.5885**	**0.1542**	**0.0126**	**0.1668**		**809.5927**	**809.5927**	**0.0516**	**1.5700e-003**	**811.3508**

	ROG	NOx	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	Demolition	Demolition	1/1/2021	1/28/2021	5	20	
2	Site Preparation	Site Preparation	1/29/2021	2/1/2021	5	2	
3	Grading	Grading	2/2/2021	2/5/2021	5	4	
4	Building Construction	Building Construction	2/6/2021	11/12/2021	5	200	
5	Paving	Paving	11/13/2021	11/26/2021	5	10	
6	Architectural Coating	Architectural Coating	11/27/2021	12/10/2021	5	10	

Acres of Grading (Site Preparation Phase): 1

Acres of Grading (Grading Phase): 1.5

Acres of Paving: 0.49

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 20,460; Non-Residential Outdoor: 6,820; Striped Parking Area: 1,320 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Rubber Tired Dozers	1	8.00	247	0.40
Demolition	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Site Preparation	Graders	1	8.00	187	0.41
Site Preparation	Rubber Tired Dozers	1	7.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Grading	Graders	1	6.00	187	0.41
Grading	Rubber Tired Dozers	1	6.00	247	0.40
Grading	Tractors/Loaders/Backhoes	1	7.00	97	0.37
Building Construction	Cranes	1	6.00	231	0.29
Building Construction	Forklifts	1	6.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Building Construction	Welders	3	8.00	46	0.45
Paving	Cement and Mortar Mixers	1	6.00	9	0.56
Paving	Pavers	1	6.00	130	0.42
Paving	Paving Equipment	1	8.00	132	0.36
Paving	Rollers	1	7.00	80	0.38
Paving	Tractors/Loaders/Backhoes	1	8.00	97	0.37
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
Demolition	5	13.00	0.00	60.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	3	8.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading	3	8.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	7	24.00	9.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	5	13.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	5.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3.2 Demolition - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.6467	0.0000	0.6467	0.0979	0.0000	0.0979			0.0000			0.0000
Off-Road	1.9930	19.6966	14.4925	0.0241		1.0409	1.0409		0.9715	0.9715		2,322.7171	2,322.7171	0.5940		2,337.5658
Total	**1.9930**	**19.6966**	**14.4925**	**0.0241**	**0.6467**	**1.0409**	**1.6876**	**0.0979**	**0.9715**	**1.0694**		**2,322.7171**	**2,322.7171**	**0.5940**		**2,337.5658**

3.2 Demolition - 2021

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	0.0244	0.8114	0.1574	2.3300e-003	0.0525	2.4900e-003	0.0550	0.0144	2.3900e-003	0.0168		247.3111	247.3111	0.0129		247.6335
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0458	0.0325	0.3186	9.7000e-004	0.1068	6.9000e-004	0.1075	0.0283	6.4000e-004	0.0290		96.4654	96.4654	2.3300e-003		96.5236
Total	**0.0702**	**0.8439**	**0.4760**	**3.3000e-003**	**0.1593**	**3.1800e-003**	**0.1625**	**0.0427**	**3.0300e-003**	**0.0458**		**343.7765**	**343.7765**	**0.0152**		**344.1571**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.6467	0.0000	0.6467	0.0979	0.0000	0.0979			0.0000			0.0000
Off-Road	1.9930	19.6966	14.4925	0.0241		1.0409	1.0409		0.9715	0.9715	0.0000	2,322.7171	2,322.7171	0.5940		2,337.5658
Total	**1.9930**	**19.6966**	**14.4925**	**0.0241**	**0.6467**	**1.0409**	**1.6876**	**0.0979**	**0.9715**	**1.0694**	**0.0000**	**2,322.7171**	**2,322.7171**	**0.5940**		**2,337.5658**

3.2 Demolition - 2021

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	0.0244	0.8114	0.1574	2.3300e-003	0.0525	2.4900e-003	0.0550	0.0144	2.3900e-003	0.0168		247.3111	247.3111	0.0129		247.6335
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0458	0.0325	0.3186	9.7000e-004	0.1068	6.9000e-004	0.1075	0.0283	6.4000e-004	0.0290		96.4654	96.4654	2.3300e-003		96.5236
Total	**0.0702**	**0.8439**	**0.4760**	**3.3000e-003**	**0.1593**	**3.1800e-003**	**0.1625**	**0.0427**	**3.0300e-003**	**0.0458**		**343.7765**	**343.7765**	**0.0152**		**344.1571**

3.3 Site Preparation - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					5.7996	0.0000	5.7996	2.9537	0.0000	2.9537			0.0000			0.0000
Off-Road	1.5558	17.4203	7.5605	0.0172		0.7654	0.7654		0.7041	0.7041		1,666.5174	1,666.5174	0.5390		1,679.9920
Total	**1.5558**	**17.4203**	**7.5605**	**0.0172**	**5.7996**	**0.7654**	**6.5650**	**2.9537**	**0.7041**	**3.6578**		**1,666.5174**	**1,666.5174**	**0.5390**		**1,679.9920**

3.3 Site Preparation - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0282	0.0200	0.1961	6.0000e-004	0.0657	4.3000e-004	0.0661	0.0174	3.9000e-004	0.0178		59.3634	59.3634	1.4300e-003		59.3992
Total	**0.0282**	**0.0200**	**0.1961**	**6.0000e-004**	**0.0657**	**4.3000e-004**	**0.0661**	**0.0174**	**3.9000e-004**	**0.0178**		**59.3634**	**59.3634**	**1.4300e-003**		**59.3992**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					5.7996	0.0000	5.7996	2.9537	0.0000	2.9537			0.0000			0.0000
Off-Road	1.5558	17.4203	7.5605	0.0172		0.7654	0.7654		0.7041	0.7041	0.0000	1,666.5174	1,666.5174	0.5390		1,679.9920
Total	**1.5558**	**17.4203**	**7.5605**	**0.0172**	**5.7996**	**0.7654**	**6.5650**	**2.9537**	**0.7041**	**3.6578**	**0.0000**	**1,666.5174**	**1,666.5174**	**0.5390**		**1,679.9920**

3.3 Site Preparation - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0282	0.0200	0.1961	6.0000e-004	0.0657	4.3000e-004	0.0661	0.0174	3.9000e-004	0.0178		59.3634	59.3634	1.4300e-003		59.3992
Total	**0.0282**	**0.0200**	**0.1961**	**6.0000e-004**	**0.0657**	**4.3000e-004**	**0.0661**	**0.0174**	**3.9000e-004**	**0.0178**		**59.3634**	**59.3634**	**1.4300e-003**		**59.3992**

3.4 Grading - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					4.9143	0.0000	4.9143	2.5256	0.0000	2.5256			0.0000			0.0000
Off-Road	1.2884	14.3307	6.3314	0.0141		0.6379	0.6379		0.5869	0.5869		1,365.0648	1,365.0648	0.4415		1,376.1020
Total	**1.2884**	**14.3307**	**6.3314**	**0.0141**	**4.9143**	**0.6379**	**5.5522**	**2.5256**	**0.5869**	**3.1125**		**1,365.0648**	**1,365.0648**	**0.4415**		**1,376.1020**

3.4 Grading - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0282	0.0200	0.1961	6.0000e-004	0.0657	4.3000e-004	0.0661	0.0174	3.9000e-004	0.0178		59.3634	59.3634	1.4300e-003		59.3992
Total	**0.0282**	**0.0200**	**0.1961**	**6.0000e-004**	**0.0657**	**4.3000e-004**	**0.0661**	**0.0174**	**3.9000e-004**	**0.0178**		**59.3634**	**59.3634**	**1.4300e-003**		**59.3992**

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					4.9143	0.0000	4.9143	2.5256	0.0000	2.5256			0.0000			0.0000
Off-Road	1.2884	14.3307	6.3314	0.0141		0.6379	0.6379		0.5869	0.5869	0.0000	1,365.0648	1,365.0648	0.4415		1,376.1020
Total	**1.2884**	**14.3307**	**6.3314**	**0.0141**	**4.9143**	**0.6379**	**5.5522**	**2.5256**	**0.5869**	**3.1125**	**0.0000**	**1,365.0648**	**1,365.0648**	**0.4415**		**1,376.1020**

3.4 Grading - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0282	0.0200	0.1961	6.0000e-004	0.0657	4.3000e-004	0.0661	0.0174	3.9000e-004	0.0178		59.3634	59.3634	1.4300e-003		59.3992
Total	**0.0282**	**0.0200**	**0.1961**	**6.0000e-004**	**0.0657**	**4.3000e-004**	**0.0661**	**0.0174**	**3.9000e-004**	**0.0178**		**59.3634**	**59.3634**	**1.4300e-003**		**59.3992**

3.5 Building Construction - 2021

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	1.8125	13.6361	12.8994	0.0221		0.6843	0.6843		0.6608	0.6608		2,001.2200	2,001.2200	0.3573		2,010.1517
Total	**1.8125**	**13.6361**	**12.8994**	**0.0221**		**0.6843**	**0.6843**		**0.6608**	**0.6608**		**2,001.2200**	**2,001.2200**	**0.3573**		**2,010.1517**

3.5 Building Construction - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0288	0.9603	0.2205	2.4200e-003	0.0610	2.0400e-003	0.0630	0.0176	1.9500e-003	0.0195		255.7013	255.7013	0.0151		256.0780
Worker	0.0846	0.0599	0.5882	1.7900e-003	0.1972	1.2800e-003	0.1984	0.0523	1.1700e-003	0.0535		178.0901	178.0901	4.3000e-003		178.1975
Total	**0.1134**	**1.0202**	**0.8087**	**4.2100e-003**	**0.2581**	**3.3200e-003**	**0.2615**	**0.0699**	**3.1200e-003**	**0.0730**		**433.7914**	**433.7914**	**0.0194**		**434.2755**

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	1.8125	13.6361	12.8994	0.0221		0.6843	0.6843		0.6608	0.6608	0.0000	2,001.2200	2,001.2200	0.3573		2,010.1517
Total	**1.8125**	**13.6361**	**12.8994**	**0.0221**		**0.6843**	**0.6843**		**0.6608**	**0.6608**	**0.0000**	**2,001.2200**	**2,001.2200**	**0.3573**		**2,010.1517**

3.5 Building Construction - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0288	0.9603	0.2205	2.4200e-003	0.0610	2.0400e-003	0.0630	0.0176	1.9500e-003	0.0195		255.7013	255.7013	0.0151		256.0780
Worker	0.0846	0.0599	0.5882	1.7900e-003	0.1972	1.2800e-003	0.1984	0.0523	1.1700e-003	0.0535		178.0901	178.0901	4.3000e-003		178.1975
Total	**0.1134**	**1.0202**	**0.8087**	**4.2100e-003**	**0.2581**	**3.3200e-003**	**0.2615**	**0.0699**	**3.1200e-003**	**0.0730**		**433.7914**	**433.7914**	**0.0194**		**434.2755**

3.6 Paving - 2021

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	0.7739	7.7422	8.8569	0.0135		0.4153	0.4153		0.3830	0.3830		1,296.8664	1,296.8664	0.4111		1,307.1442
Paving	0.1284					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**0.9023**	**7.7422**	**8.8569**	**0.0135**		**0.4153**	**0.4153**		**0.3830**	**0.3830**		**1,296.8664**	**1,296.8664**	**0.4111**		**1,307.1442**

3.6 Paving - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0458	0.0325	0.3186	9.7000e-004	0.1068	6.9000e-004	0.1075	0.0283	6.4000e-004	0.0290		96.4654	96.4654	2.3300e-003		96.5236
Total	**0.0458**	**0.0325**	**0.3186**	**9.7000e-004**	**0.1068**	**6.9000e-004**	**0.1075**	**0.0283**	**6.4000e-004**	**0.0290**		**96.4654**	**96.4654**	**2.3300e-003**		**96.5236**

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	0.7739	7.7422	8.8569	0.0135		0.4153	0.4153		0.3830	0.3830	0.0000	1,296.8664	1,296.8664	0.4111		1,307.1442
Paving	0.1284					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**0.9023**	**7.7422**	**8.8569**	**0.0135**		**0.4153**	**0.4153**		**0.3830**	**0.3830**	**0.0000**	**1,296.8664**	**1,296.8664**	**0.4111**		**1,307.1442**

3.6 Paving - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0458	0.0325	0.3186	9.7000e-004	0.1068	6.9000e-004	0.1075	0.0283	6.4000e-004	0.0290		96.4654	96.4654	2.3300e-003		96.5236
Total	**0.0458**	**0.0325**	**0.3186**	**9.7000e-004**	**0.1068**	**6.9000e-004**	**0.1075**	**0.0283**	**6.4000e-004**	**0.0290**		**96.4654**	**96.4654**	**2.3300e-003**		**96.5236**

3.7 Architectural Coating - 2021

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	15.1426					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2189	1.5268	1.8176	2.9700e-003		0.0941	0.0941		0.0941	0.0941		281.4481	281.4481	0.0193		281.9309
Total	**15.3615**	**1.5268**	**1.8176**	**2.9700e-003**		**0.0941**	**0.0941**		**0.0941**	**0.0941**		**281.4481**	**281.4481**	**0.0193**		**281.9309**

3.7 Architectural Coating - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0176	0.0125	0.1226	3.7000e-004	0.0411	2.7000e-004	0.0413	0.0109	2.4000e-004	0.0111		37.1021	37.1021	9.0000e-004		37.1245
Total	**0.0176**	**0.0125**	**0.1226**	**3.7000e-004**	**0.0411**	**2.7000e-004**	**0.0413**	**0.0109**	**2.4000e-004**	**0.0111**		**37.1021**	**37.1021**	**9.0000e-004**		**37.1245**

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	15.1426					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2189	1.5268	1.8176	2.9700e-003		0.0941	0.0941		0.0941	0.0941	0.0000	281.4481	281.4481	0.0193		281.9309
Total	**15.3615**	**1.5268**	**1.8176**	**2.9700e-003**		**0.0941**	**0.0941**		**0.0941**	**0.0941**	**0.0000**	**281.4481**	**281.4481**	**0.0193**		**281.9309**

3.7 Architectural Coating - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0176	0.0125	0.1226	3.7000e-004	0.0411	2.7000e-004	0.0413	0.0109	2.4000e-004	0.0111		37.1021	37.1021	9.0000e-004		37.1245
Total	**0.0176**	**0.0125**	**0.1226**	**3.7000e-004**	**0.0411**	**2.7000e-004**	**0.0413**	**0.0109**	**2.4000e-004**	**0.0111**		**37.1021**	**37.1021**	**9.0000e-004**		**37.1245**

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	0.1597	1.1175	1.9079	7.0300e-003	0.5755	6.7800e-003	0.5823	0.1542	6.3800e-003	0.1606		714.7269	714.7269	0.0311		715.5037
Unmitigated	0.1597	1.1175	1.9079	7.0300e-003	0.5755	6.7800e-003	0.5823	0.1542	6.3800e-003	0.1606		714.7269	714.7269	0.0311		715.5037

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
City Park	0.95	11.38	8.37	7,463	7,463
General Light Industry	3.49	0.66	0.34	7,685	7,685
Industrial Park	89.75	32.72	9.59	183,918	183,918
Parking Lot	0.00	0.00	0.00		
Total	94.18	44.75	18.30	199,066	199,066

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
City Park	9.50	7.30	7.30	33.00	48.00	19.00	66	28	6
General Light Industry	9.50	7.30	7.30	59.00	28.00	13.00	92	5	3
Industrial Park	9.50	7.30	7.30	59.00	28.00	13.00	79	19	2
Parking Lot	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
City Park	0.560371	0.039285	0.190378	0.108244	0.016023	0.005202	0.023981	0.045200	0.002184	0.002561	0.005524	0.000326	0.000721
General Light Industry	0.560371	0.039285	0.190378	0.108244	0.016023	0.005202	0.023981	0.045200	0.002184	0.002561	0.005524	0.000326	0.000721
Industrial Park	0.560371	0.039285	0.190378	0.108244	0.016023	0.005202	0.023981	0.045200	0.002184	0.002561	0.005524	0.000326	0.000721
Parking Lot	0.560371	0.039285	0.190378	0.108244	0.016023	0.005202	0.023981	0.045200	0.002184	0.002561	0.005524	0.000326	0.000721

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	7.8700e-003	0.0716	0.0601	4.3000e-004		5.4400e-003	5.4400e-003		5.4400e-003	5.4400e-003		85.8570	85.8570	1.6500e-003	1.5700e-003	86.3672
NaturalGas Unmitigated	7.8700e-003	0.0716	0.0601	4.3000e-004		5.4400e-003	5.4400e-003		5.4400e-003	5.4400e-003		85.8570	85.8570	1.6500e-003	1.5700e-003	86.3672

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
General Light Industry	33.9041	3.7000e-004	3.3200e-003	2.7900e-003	2.0000e-005		2.5000e-004	2.5000e-004		2.5000e-004	2.5000e-004		3.9887	3.9887	8.0000e-005	7.0000e-005	4.0124
Industrial Park	695.88	7.5000e-003	0.0682	0.0573	4.1000e-004		5.1800e-003	5.1800e-003		5.1800e-003	5.1800e-003		81.8682	81.8682	1.5700e-003	1.5000e-003	82.3547
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		**7.8700e-003**	**0.0715**	**0.0601**	**4.3000e-004**		**5.4300e-003**	**5.4300e-003**		**5.4300e-003**	**5.4300e-003**		**85.8570**	**85.8570**	**1.6500e-003**	**1.5700e-003**	**86.3672**

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					
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
General Light Industry	0.0339041	3.7000e-004	3.3200e-003	2.7900e-003	2.0000e-005		2.5000e-004	2.5000e-004		2.5000e-004	2.5000e-004		3.9887	3.9887	8.0000e-005	7.0000e-005	4.0124
Industrial Park	0.69588	7.5000e-003	0.0682	0.0573	4.1000e-004		5.1800e-003	5.1800e-003		5.1800e-003	5.1800e-003		81.8682	81.8682	1.5700e-003	1.5000e-003	82.3547
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		**7.8700e-003**	**0.0715**	**0.0601**	**4.3000e-004**		**5.4300e-003**	**5.4300e-003**		**5.4300e-003**	**5.4300e-003**		**85.8570**	**85.8570**	**1.6500e-003**	**1.5700e-003**	**86.3672**

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.3430	6.0000e-005	7.0700e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005		0.0151	0.0151	4.0000e-005		0.0161
Unmitigated	0.3430	6.0000e-005	7.0700e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005		0.0151	0.0151	4.0000e-005		0.0161

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	0.0415					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.3008					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	6.6000e-004	6.0000e-005	7.0700e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005		0.0151	0.0151	4.0000e-005		0.0161
Total	**0.3430**	**6.0000e-005**	**7.0700e-003**	**0.0000**		**3.0000e-005**	**3.0000e-005**		**3.0000e-005**	**3.0000e-005**		**0.0151**	**0.0151**	**4.0000e-005**		**0.0161**

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	0.0415					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.3008					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	6.6000e-004	6.0000e-005	7.0700e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005		0.0151	0.0151	4.0000e-005		0.0161
Total	**0.3430**	**6.0000e-005**	**7.0700e-003**	**0.0000**		**3.0000e-005**	**3.0000e-005**		**3.0000e-005**	**3.0000e-005**		**0.0151**	**0.0151**	**4.0000e-005**		**0.0161**

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

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

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
Emergency Generator	1	8	56	2	0.73	CNG

Boilers

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

User Defined Equipment

Equipment Type	Number

10.1 Stationary Sources

Unmitigated/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
Equipment Type	lb/day										lb/day					
Emergency Generator - CNG (0 - 500 HP)	0.1408	0.0136	0.3666	5.0000e-005		7.8000e-004	7.8000e-004		7.8000e-004	7.8000e-004		8.9938	8.9938	0.0188		9.4639
Total	**0.1408**	**0.0136**	**0.3666**	**5.0000e-005**		**7.8000e-004**	**7.8000e-004**		**7.8000e-004**	**7.8000e-004**		**8.9938**	**8.9938**	**0.0188**		**9.4639**

11.0 Vegetation

CVSan

Alameda County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Light Industry	0.50	1000sqft	0.01	500.00	0
Industrial Park	13.14	1000sqft	0.30	13,140.00	0
Parking Lot	55.00	Space	0.49	22,000.00	0
City Park	0.50	Acre	0.50	21,780.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	63
Climate Zone	5			**Operational Year**	2022
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity (lb/MWhr)	641.35	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use -

Area Mitigation -

Water Mitigation -

Stationary Sources - Emergency Generators and Fire Pumps - 2kW SSO/ER Generator (CARB Compliant), 4 hours testing monthly, max 8 hour outage occuring.

Demolition -

Table Name	Column Name	Default Value	New Value
tblStationaryGeneratorsPumpsUse	HorsePowerValue	0.00	2.00
tblStationaryGeneratorsPumpsUse	HoursPerDay	0.00	8.00
tblStationaryGeneratorsPumpsUse	HoursPerYear	0.00	56.00
tblStationaryGeneratorsPumpsUse	NumberOfEquipment	0.00	1.00

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					
2021	15.3783	20.5164	14.9760	0.0275	5.8653	1.0440	6.6311	2.9711	0.9745	3.6757	0.0000	2,679.5240	2,679.5240	0.6085	0.0000	2,694.7354
Maximum	**15.3783**	**20.5164**	**14.9760**	**0.0275**	**5.8653**	**1.0440**	**6.6311**	**2.9711**	**0.9745**	**3.6757**	**0.0000**	**2,679.5240**	**2,679.5240**	**0.6085**	**0.0000**	**2,694.7354**

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					
2021	15.3783	20.5164	14.9760	0.0275	5.8653	1.0440	6.6311	2.9711	0.9745	3.6757	0.0000	2,679.5240	2,679.5240	0.6085	0.0000	2,694.7354
Maximum	**15.3783**	**20.5164**	**14.9760**	**0.0275**	**5.8653**	**1.0440**	**6.6311**	**2.9711**	**0.9745**	**3.6757**	**0.0000**	**2,679.5240**	**2,679.5240**	**0.6085**	**0.0000**	**2,694.7354**

	ROG	NOx	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**

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	0.3430	6.0000e-005	7.0700e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005		0.0151	0.0151	4.0000e-005		0.0161
Energy	7.8700e-003	0.0716	0.0601	4.3000e-004		5.4400e-003	5.4400e-003		5.4400e-003	5.4400e-003		85.8570	85.8570	1.6500e-003	1.5700e-003	86.3672
Mobile	0.1839	1.0775	1.8932	7.5000e-003	0.5755	6.7200e-003	0.5822	0.1542	6.3200e-003	0.1605		761.4639	761.4639	0.0299		762.2107
Stationary	0.1408	0.0136	0.3666	5.0000e-005		7.8000e-004	7.8000e-004		7.8000e-004	7.8000e-004		8.9938	8.9938	0.0188		9.4639
Total	**0.6755**	**1.1627**	**2.3270**	**7.9800e-003**	**0.5755**	**0.0130**	**0.5885**	**0.1542**	**0.0126**	**0.1668**		**856.3298**	**856.3298**	**0.0504**	**1.5700e-003**	**858.0579**

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	lb/day										lb/day					
Area	0.3430	6.0000e-005	7.0700e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005		0.0151	0.0151	4.0000e-005		0.0161
Energy	7.8700e-003	0.0716	0.0601	4.3000e-004		5.4400e-003	5.4400e-003		5.4400e-003	5.4400e-003		85.8570	85.8570	1.6500e-003	1.5700e-003	86.3672
Mobile	0.1839	1.0775	1.8932	7.5000e-003	0.5755	6.7200e-003	0.5822	0.1542	6.3200e-003	0.1605		761.4639	761.4639	0.0299		762.2107
Stationary	0.1408	0.0136	0.3666	5.0000e-005		7.8000e-004	7.8000e-004		7.8000e-004	7.8000e-004		8.9938	8.9938	0.0188		9.4639
Total	**0.6755**	**1.1627**	**2.3270**	**7.9800e-003**	**0.5755**	**0.0130**	**0.5885**	**0.1542**	**0.0126**	**0.1668**		**856.3298**	**856.3298**	**0.0504**	**1.5700e-003**	**858.0579**

	ROG	NOx	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

CVSan - Alameda County, Summer

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	1/1/2021	1/28/2021	5	20	
2	Site Preparation	Site Preparation	1/29/2021	2/1/2021	5	2	
3	Grading	Grading	2/2/2021	2/5/2021	5	4	
4	Building Construction	Building Construction	2/6/2021	11/12/2021	5	200	
5	Paving	Paving	11/13/2021	11/26/2021	5	10	
6	Architectural Coating	Architectural Coating	11/27/2021	12/10/2021	5	10	

Acres of Grading (Site Preparation Phase): 1

Acres of Grading (Grading Phase): 1.5

Acres of Paving: 0.49

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 20,460; Non-Residential Outdoor: 6,820; Striped Parking Area: 1,320 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Rubber Tired Dozers	1	8.00	247	0.40
Demolition	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Site Preparation	Graders	1	8.00	187	0.41
Site Preparation	Rubber Tired Dozers	1	7.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Grading	Graders	1	6.00	187	0.41
Grading	Rubber Tired Dozers	1	6.00	247	0.40
Grading	Tractors/Loaders/Backhoes	1	7.00	97	0.37
Building Construction	Cranes	1	6.00	231	0.29
Building Construction	Forklifts	1	6.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Building Construction	Welders	3	8.00	46	0.45
Paving	Cement and Mortar Mixers	1	6.00	9	0.56
Paving	Pavers	1	6.00	130	0.42
Paving	Paving Equipment	1	8.00	132	0.36
Paving	Rollers	1	7.00	80	0.38
Paving	Tractors/Loaders/Backhoes	1	8.00	97	0.37
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
Demolition	5	13.00	0.00	60.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	3	8.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading	3	8.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	7	24.00	9.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	5	13.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	5.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3.2 Demolition - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.6467	0.0000	0.6467	0.0979	0.0000	0.0979			0.0000			0.0000
Off-Road	1.9930	19.6966	14.4925	0.0241		1.0409	1.0409		0.9715	0.9715		2,322.7171	2,322.7171	0.5940		2,337.5658
Total	**1.9930**	**19.6966**	**14.4925**	**0.0241**	**0.6467**	**1.0409**	**1.6876**	**0.0979**	**0.9715**	**1.0694**		**2,322.7171**	**2,322.7171**	**0.5940**		**2,337.5658**

3.2 Demolition - 2021

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	0.0238	0.7937	0.1449	2.3700e-003	0.0525	2.4600e-003	0.0550	0.0144	2.3500e-003	0.0168		251.9779	251.9779	0.0120		252.2783
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0439	0.0261	0.3386	1.0500e-003	0.1068	6.9000e-004	0.1075	0.0283	6.4000e-004	0.0290		104.8291	104.8291	2.4900e-003		104.8913
Total	**0.0677**	**0.8198**	**0.4835**	**3.4200e-003**	**0.1593**	**3.1500e-003**	**0.1625**	**0.0427**	**2.9900e-003**	**0.0457**		**356.8070**	**356.8070**	**0.0145**		**357.1696**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.6467	0.0000	0.6467	0.0979	0.0000	0.0979			0.0000			0.0000
Off-Road	1.9930	19.6966	14.4925	0.0241		1.0409	1.0409		0.9715	0.9715	0.0000	2,322.7171	2,322.7171	0.5940		2,337.5658
Total	**1.9930**	**19.6966**	**14.4925**	**0.0241**	**0.6467**	**1.0409**	**1.6876**	**0.0979**	**0.9715**	**1.0694**	**0.0000**	**2,322.7171**	**2,322.7171**	**0.5940**		**2,337.5658**

3.2 Demolition - 2021

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	0.0238	0.7937	0.1449	2.3700e-003	0.0525	2.4600e-003	0.0550	0.0144	2.3500e-003	0.0168		251.9779	251.9779	0.0120		252.2783
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0439	0.0261	0.3386	1.0500e-003	0.1068	6.9000e-004	0.1075	0.0283	6.4000e-004	0.0290		104.8291	104.8291	2.4900e-003		104.8913
Total	**0.0677**	**0.8198**	**0.4835**	**3.4200e-003**	**0.1593**	**3.1500e-003**	**0.1625**	**0.0427**	**2.9900e-003**	**0.0457**		**356.8070**	**356.8070**	**0.0145**		**357.1696**

3.3 Site Preparation - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					5.7996	0.0000	5.7996	2.9537	0.0000	2.9537			0.0000			0.0000
Off-Road	1.5558	17.4203	7.5605	0.0172		0.7654	0.7654		0.7041	0.7041		1,666.5174	1,666.5174	0.5390		1,679.9920
Total	**1.5558**	**17.4203**	**7.5605**	**0.0172**	**5.7996**	**0.7654**	**6.5650**	**2.9537**	**0.7041**	**3.6578**		**1,666.5174**	**1,666.5174**	**0.5390**		**1,679.9920**

3.3 Site Preparation - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0270	0.0161	0.2084	6.5000e-004	0.0657	4.3000e-004	0.0661	0.0174	3.9000e-004	0.0178		64.5102	64.5102	1.5300e-003		64.5485
Total	**0.0270**	**0.0161**	**0.2084**	**6.5000e-004**	**0.0657**	**4.3000e-004**	**0.0661**	**0.0174**	**3.9000e-004**	**0.0178**		**64.5102**	**64.5102**	**1.5300e-003**		**64.5485**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					5.7996	0.0000	5.7996	2.9537	0.0000	2.9537			0.0000			0.0000
Off-Road	1.5558	17.4203	7.5605	0.0172		0.7654	0.7654		0.7041	0.7041	0.0000	1,666.5174	1,666.5174	0.5390		1,679.9920
Total	**1.5558**	**17.4203**	**7.5605**	**0.0172**	**5.7996**	**0.7654**	**6.5650**	**2.9537**	**0.7041**	**3.6578**	**0.0000**	**1,666.5174**	**1,666.5174**	**0.5390**		**1,679.9920**

3.3 Site Preparation - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0270	0.0161	0.2084	6.5000e-004	0.0657	4.3000e-004	0.0661	0.0174	3.9000e-004	0.0178		64.5102	64.5102	1.5300e-003		64.5485
Total	**0.0270**	**0.0161**	**0.2084**	**6.5000e-004**	**0.0657**	**4.3000e-004**	**0.0661**	**0.0174**	**3.9000e-004**	**0.0178**		**64.5102**	**64.5102**	**1.5300e-003**		**64.5485**

3.4 Grading - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					4.9143	0.0000	4.9143	2.5256	0.0000	2.5256			0.0000			0.0000
Off-Road	1.2884	14.3307	6.3314	0.0141		0.6379	0.6379		0.5869	0.5869		1,365.0648	1,365.0648	0.4415		1,376.1020
Total	**1.2884**	**14.3307**	**6.3314**	**0.0141**	**4.9143**	**0.6379**	**5.5522**	**2.5256**	**0.5869**	**3.1125**		**1,365.0648**	**1,365.0648**	**0.4415**		**1,376.1020**

3.4 Grading - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0270	0.0161	0.2084	6.5000e-004	0.0657	4.3000e-004	0.0661	0.0174	3.9000e-004	0.0178		64.5102	64.5102	1.5300e-003		64.5485
Total	**0.0270**	**0.0161**	**0.2084**	**6.5000e-004**	**0.0657**	**4.3000e-004**	**0.0661**	**0.0174**	**3.9000e-004**	**0.0178**		**64.5102**	**64.5102**	**1.5300e-003**		**64.5485**

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					4.9143	0.0000	4.9143	2.5256	0.0000	2.5256			0.0000			0.0000
Off-Road	1.2884	14.3307	6.3314	0.0141		0.6379	0.6379		0.5869	0.5869	0.0000	1,365.0648	1,365.0648	0.4415		1,376.1020
Total	**1.2884**	**14.3307**	**6.3314**	**0.0141**	**4.9143**	**0.6379**	**5.5522**	**2.5256**	**0.5869**	**3.1125**	**0.0000**	**1,365.0648**	**1,365.0648**	**0.4415**		**1,376.1020**

3.4 Grading - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0270	0.0161	0.2084	6.5000e-004	0.0657	4.3000e-004	0.0661	0.0174	3.9000e-004	0.0178		64.5102	64.5102	1.5300e-003		64.5485
Total	**0.0270**	**0.0161**	**0.2084**	**6.5000e-004**	**0.0657**	**4.3000e-004**	**0.0661**	**0.0174**	**3.9000e-004**	**0.0178**		**64.5102**	**64.5102**	**1.5300e-003**		**64.5485**

3.5 Building Construction - 2021

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	1.8125	13.6361	12.8994	0.0221		0.6843	0.6843		0.6608	0.6608		2,001.2200	2,001.2200	0.3573		2,010.1517
Total	**1.8125**	**13.6361**	**12.8994**	**0.0221**		**0.6843**	**0.6843**		**0.6608**	**0.6608**		**2,001.2200**	**2,001.2200**	**0.3573**		**2,010.1517**

3.5 Building Construction - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0272	0.9533	0.1894	2.4900e-003	0.0610	1.9800e-003	0.0630	0.0176	1.8900e-003	0.0195		262.9354	262.9354	0.0137		263.2768
Worker	0.0811	0.0482	0.6252	1.9400e-003	0.1972	1.2800e-003	0.1984	0.0523	1.1700e-003	0.0535		193.5306	193.5306	4.6000e-003		193.6455
Total	**0.1083**	**1.0015**	**0.8146**	**4.4300e-003**	**0.2581**	**3.2600e-003**	**0.2614**	**0.0699**	**3.0600e-003**	**0.0729**		**456.4660**	**456.4660**	**0.0183**		**456.9223**

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	1.8125	13.6361	12.8994	0.0221		0.6843	0.6843		0.6608	0.6608	0.0000	2,001.2200	2,001.2200	0.3573		2,010.1517
Total	**1.8125**	**13.6361**	**12.8994**	**0.0221**		**0.6843**	**0.6843**		**0.6608**	**0.6608**	**0.0000**	**2,001.2200**	**2,001.2200**	**0.3573**		**2,010.1517**

3.5 Building Construction - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0272	0.9533	0.1894	2.4900e-003	0.0610	1.9800e-003	0.0630	0.0176	1.8900e-003	0.0195		262.9354	262.9354	0.0137		263.2768
Worker	0.0811	0.0482	0.6252	1.9400e-003	0.1972	1.2800e-003	0.1984	0.0523	1.1700e-003	0.0535		193.5306	193.5306	4.6000e-003		193.6455
Total	**0.1083**	**1.0015**	**0.8146**	**4.4300e-003**	**0.2581**	**3.2600e-003**	**0.2614**	**0.0699**	**3.0600e-003**	**0.0729**		**456.4660**	**456.4660**	**0.0183**		**456.9223**

3.6 Paving - 2021

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	0.7739	7.7422	8.8569	0.0135		0.4153	0.4153		0.3830	0.3830		1,296.8664	1,296.8664	0.4111		1,307.1442
Paving	0.1284					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**0.9023**	**7.7422**	**8.8569**	**0.0135**		**0.4153**	**0.4153**		**0.3830**	**0.3830**		**1,296.8664**	**1,296.8664**	**0.4111**		**1,307.1442**

3.6 Paving - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0439	0.0261	0.3386	1.0500e-003	0.1068	6.9000e-004	0.1075	0.0283	6.4000e-004	0.0290		104.8291	104.8291	2.4900e-003		104.8913
Total	**0.0439**	**0.0261**	**0.3386**	**1.0500e-003**	**0.1068**	**6.9000e-004**	**0.1075**	**0.0283**	**6.4000e-004**	**0.0290**		**104.8291**	**104.8291**	**2.4900e-003**		**104.8913**

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	0.7739	7.7422	8.8569	0.0135		0.4153	0.4153		0.3830	0.3830	0.0000	1,296.8664	1,296.8664	0.4111		1,307.1442
Paving	0.1284					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**0.9023**	**7.7422**	**8.8569**	**0.0135**		**0.4153**	**0.4153**		**0.3830**	**0.3830**	**0.0000**	**1,296.8664**	**1,296.8664**	**0.4111**		**1,307.1442**

3.6 Paving - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0439	0.0261	0.3386	1.0500e-003	0.1068	6.9000e-004	0.1075	0.0283	6.4000e-004	0.0290		104.8291	104.8291	2.4900e-003		104.8913
Total	**0.0439**	**0.0261**	**0.3386**	**1.0500e-003**	**0.1068**	**6.9000e-004**	**0.1075**	**0.0283**	**6.4000e-004**	**0.0290**		**104.8291**	**104.8291**	**2.4900e-003**		**104.8913**

3.7 Architectural Coating - 2021

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	15.1426					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2189	1.5268	1.8176	2.9700e-003		0.0941	0.0941		0.0941	0.0941		281.4481	281.4481	0.0193		281.9309
Total	**15.3615**	**1.5268**	**1.8176**	**2.9700e-003**		**0.0941**	**0.0941**		**0.0941**	**0.0941**		**281.4481**	**281.4481**	**0.0193**		**281.9309**

3.7 Architectural Coating - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0169	0.0100	0.1303	4.0000e-004	0.0411	2.7000e-004	0.0413	0.0109	2.4000e-004	0.0111		40.3189	40.3189	9.6000e-004		40.3428
Total	**0.0169**	**0.0100**	**0.1303**	**4.0000e-004**	**0.0411**	**2.7000e-004**	**0.0413**	**0.0109**	**2.4000e-004**	**0.0111**		**40.3189**	**40.3189**	**9.6000e-004**		**40.3428**

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	15.1426					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2189	1.5268	1.8176	2.9700e-003		0.0941	0.0941		0.0941	0.0941	0.0000	281.4481	281.4481	0.0193		281.9309
Total	**15.3615**	**1.5268**	**1.8176**	**2.9700e-003**		**0.0941**	**0.0941**		**0.0941**	**0.0941**	**0.0000**	**281.4481**	**281.4481**	**0.0193**		**281.9309**

3.7 Architectural Coating - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0169	0.0100	0.1303	4.0000e-004	0.0411	2.7000e-004	0.0413	0.0109	2.4000e-004	0.0111		40.3189	40.3189	9.6000e-004		40.3428
Total	**0.0169**	**0.0100**	**0.1303**	**4.0000e-004**	**0.0411**	**2.7000e-004**	**0.0413**	**0.0109**	**2.4000e-004**	**0.0111**		**40.3189**	**40.3189**	**9.6000e-004**		**40.3428**

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	0.1839	1.0775	1.8932	7.5000e-003	0.5755	6.7200e-003	0.5822	0.1542	6.3200e-003	0.1605		761.4639	761.4639	0.0299		762.2107
Unmitigated	0.1839	1.0775	1.8932	7.5000e-003	0.5755	6.7200e-003	0.5822	0.1542	6.3200e-003	0.1605		761.4639	761.4639	0.0299		762.2107

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
City Park	0.95	11.38	8.37	7,463	7,463
General Light Industry	3.49	0.66	0.34	7,685	7,685
Industrial Park	89.75	32.72	9.59	183,918	183,918
Parking Lot	0.00	0.00	0.00		
Total	94.18	44.75	18.30	199,066	199,066

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
City Park	9.50	7.30	7.30	33.00	48.00	19.00	66	28	6
General Light Industry	9.50	7.30	7.30	59.00	28.00	13.00	92	5	3
Industrial Park	9.50	7.30	7.30	59.00	28.00	13.00	79	19	2
Parking Lot	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
City Park	0.560371	0.039285	0.190378	0.108244	0.016023	0.005202	0.023981	0.045200	0.002184	0.002561	0.005524	0.000326	0.000721
General Light Industry	0.560371	0.039285	0.190378	0.108244	0.016023	0.005202	0.023981	0.045200	0.002184	0.002561	0.005524	0.000326	0.000721
Industrial Park	0.560371	0.039285	0.190378	0.108244	0.016023	0.005202	0.023981	0.045200	0.002184	0.002561	0.005524	0.000326	0.000721
Parking Lot	0.560371	0.039285	0.190378	0.108244	0.016023	0.005202	0.023981	0.045200	0.002184	0.002561	0.005524	0.000326	0.000721

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	7.8700e-003	0.0716	0.0601	4.3000e-004		5.4400e-003	5.4400e-003		5.4400e-003	5.4400e-003		85.8570	85.8570	1.6500e-003	1.5700e-003	86.3672
NaturalGas Unmitigated	7.8700e-003	0.0716	0.0601	4.3000e-004		5.4400e-003	5.4400e-003		5.4400e-003	5.4400e-003		85.8570	85.8570	1.6500e-003	1.5700e-003	86.3672

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
General Light Industry	33.9041	3.7000e-004	3.3200e-003	2.7900e-003	2.0000e-005		2.5000e-004	2.5000e-004		2.5000e-004	2.5000e-004		3.9887	3.9887	8.0000e-005	7.0000e-005	4.0124
Industrial Park	695.88	7.5000e-003	0.0682	0.0573	4.1000e-004		5.1800e-003	5.1800e-003		5.1800e-003	5.1800e-003		81.8682	81.8682	1.5700e-003	1.5000e-003	82.3547
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		**7.8700e-003**	**0.0715**	**0.0601**	**4.3000e-004**		**5.4300e-003**	**5.4300e-003**		**5.4300e-003**	**5.4300e-003**		**85.8570**	**85.8570**	**1.6500e-003**	**1.5700e-003**	**86.3672**

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					
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
General Light Industry	0.0339041	3.7000e-004	3.3200e-003	2.7900e-003	2.0000e-005		2.5000e-004	2.5000e-004		2.5000e-004	2.5000e-004		3.9887	3.9887	8.0000e-005	7.0000e-005	4.0124
Industrial Park	0.69588	7.5000e-003	0.0682	0.0573	4.1000e-004		5.1800e-003	5.1800e-003		5.1800e-003	5.1800e-003		81.8682	81.8682	1.5700e-003	1.5000e-003	82.3547
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		**7.8700e-003**	**0.0715**	**0.0601**	**4.3000e-004**		**5.4300e-003**	**5.4300e-003**		**5.4300e-003**	**5.4300e-003**		**85.8570**	**85.8570**	**1.6500e-003**	**1.5700e-003**	**86.3672**

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.3430	6.0000e-005	7.0700e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005		0.0151	0.0151	4.0000e-005		0.0161
Unmitigated	0.3430	6.0000e-005	7.0700e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005		0.0151	0.0151	4.0000e-005		0.0161

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	0.0415					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.3008					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	6.6000e-004	6.0000e-005	7.0700e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005		0.0151	0.0151	4.0000e-005		0.0161
Total	**0.3430**	**6.0000e-005**	**7.0700e-003**	**0.0000**		**3.0000e-005**	**3.0000e-005**		**3.0000e-005**	**3.0000e-005**		**0.0151**	**0.0151**	**4.0000e-005**		**0.0161**

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	0.0415					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.3008					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	6.6000e-004	6.0000e-005	7.0700e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005		0.0151	0.0151	4.0000e-005		0.0161
Total	**0.3430**	**6.0000e-005**	**7.0700e-003**	**0.0000**		**3.0000e-005**	**3.0000e-005**		**3.0000e-005**	**3.0000e-005**		**0.0151**	**0.0151**	**4.0000e-005**		**0.0161**

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

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

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
Emergency Generator	1	8	56	2	0.73	CNG

Boilers

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

User Defined Equipment

Equipment Type	Number

10.1 Stationary Sources

Unmitigated/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
Equipment Type	lb/day										lb/day					
Emergency Generator - CNG (0 - 500 HP)	0.1408	0.0136	0.3666	5.0000e-005		7.8000e-004	7.8000e-004		7.8000e-004	7.8000e-004		8.9938	8.9938	0.0188		9.4639
Total	**0.1408**	**0.0136**	**0.3666**	**5.0000e-005**		**7.8000e-004**	**7.8000e-004**		**7.8000e-004**	**7.8000e-004**		**8.9938**	**8.9938**	**0.0188**		**9.4639**

11.0 Vegetation

CVSan

Alameda County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Light Industry	0.50	1000sqft	0.01	500.00	0
Industrial Park	13.14	1000sqft	0.30	13,140.00	0
Parking Lot	55.00	Space	0.49	22,000.00	0
City Park	0.50	Acre	0.50	21,780.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	63
Climate Zone	5			**Operational Year**	2022
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity (lb/MWhr)	641.35	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use -

Area Mitigation -

Water Mitigation -

Stationary Sources - Emergency Generators and Fire Pumps - 2kW SSO/ER Generator (CARB Compliant), 4 hours testing monthly, max 8 hour outage occuring.

Demolition -

Table Name	Column Name	Default Value	New Value
tblStationaryGeneratorsPumpsUse	HorsePowerValue	0.00	2.00
tblStationaryGeneratorsPumpsUse	HoursPerDay	0.00	8.00
tblStationaryGeneratorsPumpsUse	HoursPerYear	0.00	56.00
tblStationaryGeneratorsPumpsUse	NumberOfEquipment	0.00	1.00

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					
2021	0.2981	1.7634	1.5934	3.0400e-003	0.0494	0.0838	0.1332	0.0164	0.0804	0.0968	0.0000	257.5509	257.5509	0.0429	0.0000	258.6229
Maximum	**0.2981**	**1.7634**	**1.5934**	**3.0400e-003**	**0.0494**	**0.0838**	**0.1332**	**0.0164**	**0.0804**	**0.0968**	**0.0000**	**257.5509**	**257.5509**	**0.0429**	**0.0000**	**258.6229**

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					
2021	0.2981	1.7634	1.5934	3.0400e-003	0.0494	0.0838	0.1332	0.0164	0.0804	0.0968	0.0000	257.5507	257.5507	0.0429	0.0000	258.6226
Maximum	**0.2981**	**1.7634**	**1.5934**	**3.0400e-003**	**0.0494**	**0.0838**	**0.1332**	**0.0164**	**0.0804**	**0.0968**	**0.0000**	**257.5507**	**257.5507**	**0.0429**	**0.0000**	**258.6226**

	ROG	NOx	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**

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	1-1-2021	3-31-2021	0.5954	0.5954
2	4-1-2021	6-30-2021	0.5381	0.5381
3	7-1-2021	9-30-2021	0.5441	0.5441
		Highest	0.5954	0.5954

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	0.0625	1.0000e-005	6.4000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.2400e-003	1.2400e-003	0.0000	0.0000	1.3200e-003
Energy	1.4400e-003	0.0131	0.0110	8.0000e-005		9.9000e-004	9.9000e-004		9.9000e-004	9.9000e-004	0.0000	65.2600	65.2600	2.5800e-003	7.4000e-004	65.5445
Mobile	0.0215	0.1474	0.2436	9.5000e-004	0.0745	9.0000e-004	0.0754	0.0200	8.5000e-004	0.0209	0.0000	87.8417	87.8417	3.6400e-003	0.0000	87.9327
Stationary	4.9000e-004	5.0000e-005	1.2800e-003	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0286	0.0286	6.0000e-005	0.0000	0.0301
Waste						0.0000	0.0000		0.0000	0.0000	3.4407	0.0000	3.4407	0.2033	0.0000	8.5242
Water						0.0000	0.0000		0.0000	0.0000	1.0007	5.5718	6.5725	0.1030	2.4800e-003	9.8870
Total	**0.0859**	**0.1606**	**0.2565**	**1.0300e-003**	**0.0745**	**1.8900e-003**	**0.0764**	**0.0200**	**1.8400e-003**	**0.0219**	**4.4414**	**158.7033**	**163.1447**	**0.3127**	**3.2200e-003**	**171.9197**

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	0.0625	1.0000e-005	6.4000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.2400e-003	1.2400e-003	0.0000	0.0000	1.3200e-003
Energy	1.4400e-003	0.0131	0.0110	8.0000e-005		9.9000e-004	9.9000e-004		9.9000e-004	9.9000e-004	0.0000	65.2600	65.2600	2.5800e-003	7.4000e-004	65.5445
Mobile	0.0215	0.1474	0.2436	9.5000e-004	0.0745	9.0000e-004	0.0754	0.0200	8.5000e-004	0.0209	0.0000	87.8417	87.8417	3.6400e-003	0.0000	87.9327
Stationary	4.9000e-004	5.0000e-005	1.2800e-003	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0286	0.0286	6.0000e-005	0.0000	0.0301
Waste						0.0000	0.0000		0.0000	0.0000	3.4407	0.0000	3.4407	0.2033	0.0000	8.5242
Water						0.0000	0.0000		0.0000	0.0000	1.0007	5.5718	6.5725	0.1030	2.4800e-003	9.8870
Total	**0.0859**	**0.1606**	**0.2565**	**1.0300e-003**	**0.0745**	**1.8900e-003**	**0.0764**	**0.0200**	**1.8400e-003**	**0.0219**	**4.4414**	**158.7033**	**163.1447**	**0.3127**	**3.2200e-003**	**171.9197**

	ROG	NOx	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	Demolition	Demolition	1/1/2021	1/28/2021	5	20	
2	Site Preparation	Site Preparation	1/29/2021	2/1/2021	5	2	
3	Grading	Grading	2/2/2021	2/5/2021	5	4	
4	Building Construction	Building Construction	2/6/2021	11/12/2021	5	200	
5	Paving	Paving	11/13/2021	11/26/2021	5	10	
6	Architectural Coating	Architectural Coating	11/27/2021	12/10/2021	5	10	

Acres of Grading (Site Preparation Phase): 1

Acres of Grading (Grading Phase): 1.5

Acres of Paving: 0.49

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 20,460; Non-Residential Outdoor: 6,820; Striped Parking Area: 1,320 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Rubber Tired Dozers	1	8.00	247	0.40
Demolition	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Site Preparation	Graders	1	8.00	187	0.41
Site Preparation	Rubber Tired Dozers	1	7.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Grading	Graders	1	6.00	187	0.41
Grading	Rubber Tired Dozers	1	6.00	247	0.40
Grading	Tractors/Loaders/Backhoes	1	7.00	97	0.37
Building Construction	Cranes	1	6.00	231	0.29
Building Construction	Forklifts	1	6.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Building Construction	Welders	3	8.00	46	0.45
Paving	Cement and Mortar Mixers	1	6.00	9	0.56
Paving	Pavers	1	6.00	130	0.42
Paving	Paving Equipment	1	8.00	132	0.36
Paving	Rollers	1	7.00	80	0.38
Paving	Tractors/Loaders/Backhoes	1	8.00	97	0.37
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
Demolition	5	13.00	0.00	60.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	3	8.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading	3	8.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	7	24.00	9.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	5	13.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	5.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3.2 Demolition - 2021

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					6.4700e-003	0.0000	6.4700e-003	9.8000e-004	0.0000	9.8000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0199	0.1970	0.1449	2.4000e-004		0.0104	0.0104		9.7100e-003	9.7100e-003	0.0000	21.0713	21.0713	5.3900e-003	0.0000	21.2060
Total	**0.0199**	**0.1970**	**0.1449**	**2.4000e-004**	**6.4700e-003**	**0.0104**	**0.0169**	**9.8000e-004**	**9.7100e-003**	**0.0107**	**0.0000**	**21.0713**	**21.0713**	**5.3900e-003**	**0.0000**	**21.2060**

3.2 Demolition - 2021

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	2.4000e-004	8.0900e-003	1.5000e-003	2.0000e-005	5.1000e-004	2.0000e-005	5.3000e-004	1.4000e-004	2.0000e-005	1.6000e-004	0.0000	2.2681	2.2681	1.1000e-004	0.0000	2.2709
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.2000e-004	3.0000e-004	3.1000e-003	1.0000e-005	1.0300e-003	1.0000e-005	1.0300e-003	2.7000e-004	1.0000e-005	2.8000e-004	0.0000	0.8820	0.8820	2.0000e-005	0.0000	0.8825
Total	**6.6000e-004**	**8.3900e-003**	**4.6000e-003**	**3.0000e-005**	**1.5400e-003**	**3.0000e-005**	**1.5600e-003**	**4.1000e-004**	**3.0000e-005**	**4.4000e-004**	**0.0000**	**3.1501**	**3.1501**	**1.3000e-004**	**0.0000**	**3.1535**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					6.4700e-003	0.0000	6.4700e-003	9.8000e-004	0.0000	9.8000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0199	0.1970	0.1449	2.4000e-004		0.0104	0.0104		9.7100e-003	9.7100e-003	0.0000	21.0713	21.0713	5.3900e-003	0.0000	21.2060
Total	**0.0199**	**0.1970**	**0.1449**	**2.4000e-004**	**6.4700e-003**	**0.0104**	**0.0169**	**9.8000e-004**	**9.7100e-003**	**0.0107**	**0.0000**	**21.0713**	**21.0713**	**5.3900e-003**	**0.0000**	**21.2060**

3.2 Demolition - 2021

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	2.4000e-004	8.0900e-003	1.5000e-003	2.0000e-005	5.1000e-004	2.0000e-005	5.3000e-004	1.4000e-004	2.0000e-005	1.6000e-004	0.0000	2.2681	2.2681	1.1000e-004	0.0000	2.2709
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.2000e-004	3.0000e-004	3.1000e-003	1.0000e-005	1.0300e-003	1.0000e-005	1.0300e-003	2.7000e-004	1.0000e-005	2.8000e-004	0.0000	0.8820	0.8820	2.0000e-005	0.0000	0.8825
Total	**6.6000e-004**	**8.3900e-003**	**4.6000e-003**	**3.0000e-005**	**1.5400e-003**	**3.0000e-005**	**1.5600e-003**	**4.1000e-004**	**3.0000e-005**	**4.4000e-004**	**0.0000**	**3.1501**	**3.1501**	**1.3000e-004**	**0.0000**	**3.1535**

3.3 Site Preparation - 2021

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					5.8000e-003	0.0000	5.8000e-003	2.9500e-003	0.0000	2.9500e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.5600e-003	0.0174	7.5600e-003	2.0000e-005		7.7000e-004	7.7000e-004		7.0000e-004	7.0000e-004	0.0000	1.5118	1.5118	4.9000e-004	0.0000	1.5241
Total	**1.5600e-003**	**0.0174**	**7.5600e-003**	**2.0000e-005**	**5.8000e-003**	**7.7000e-004**	**6.5700e-003**	**2.9500e-003**	**7.0000e-004**	**3.6500e-003**	**0.0000**	**1.5118**	**1.5118**	**4.9000e-004**	**0.0000**	**1.5241**

3.3 Site Preparation - 2021

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	3.0000e-005	2.0000e-005	1.9000e-004	0.0000	6.0000e-005	0.0000	6.0000e-005	2.0000e-005	0.0000	2.0000e-005	0.0000	0.0543	0.0543	0.0000	0.0000	0.0543
Total	**3.0000e-005**	**2.0000e-005**	**1.9000e-004**	**0.0000**	**6.0000e-005**	**0.0000**	**6.0000e-005**	**2.0000e-005**	**0.0000**	**2.0000e-005**	**0.0000**	**0.0543**	**0.0543**	**0.0000**	**0.0000**	**0.0543**

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					5.8000e-003	0.0000	5.8000e-003	2.9500e-003	0.0000	2.9500e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.5600e-003	0.0174	7.5600e-003	2.0000e-005		7.7000e-004	7.7000e-004		7.0000e-004	7.0000e-004	0.0000	1.5118	1.5118	4.9000e-004	0.0000	1.5241
Total	**1.5600e-003**	**0.0174**	**7.5600e-003**	**2.0000e-005**	**5.8000e-003**	**7.7000e-004**	**6.5700e-003**	**2.9500e-003**	**7.0000e-004**	**3.6500e-003**	**0.0000**	**1.5118**	**1.5118**	**4.9000e-004**	**0.0000**	**1.5241**

3.3 Site Preparation - 2021

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	3.0000e-005	2.0000e-005	1.9000e-004	0.0000	6.0000e-005	0.0000	6.0000e-005	2.0000e-005	0.0000	2.0000e-005	0.0000	0.0543	0.0543	0.0000	0.0000	0.0543
Total	**3.0000e-005**	**2.0000e-005**	**1.9000e-004**	**0.0000**	**6.0000e-005**	**0.0000**	**6.0000e-005**	**2.0000e-005**	**0.0000**	**2.0000e-005**	**0.0000**	**0.0543**	**0.0543**	**0.0000**	**0.0000**	**0.0543**

3.4 Grading - 2021

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					9.8300e-003	0.0000	9.8300e-003	5.0500e-003	0.0000	5.0500e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.5800e-003	0.0287	0.0127	3.0000e-005		1.2800e-003	1.2800e-003		1.1700e-003	1.1700e-003	0.0000	2.4767	2.4767	8.0000e-004	0.0000	2.4968
Total	**2.5800e-003**	**0.0287**	**0.0127**	**3.0000e-005**	**9.8300e-003**	**1.2800e-003**	**0.0111**	**5.0500e-003**	**1.1700e-003**	**6.2200e-003**	**0.0000**	**2.4767**	**2.4767**	**8.0000e-004**	**0.0000**	**2.4968**

3.4 Grading - 2021

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	5.0000e-005	4.0000e-005	3.8000e-004	0.0000	1.3000e-004	0.0000	1.3000e-004	3.0000e-005	0.0000	3.0000e-005	0.0000	0.1086	0.1086	0.0000	0.0000	0.1086
Total	**5.0000e-005**	**4.0000e-005**	**3.8000e-004**	**0.0000**	**1.3000e-004**	**0.0000**	**1.3000e-004**	**3.0000e-005**	**0.0000**	**3.0000e-005**	**0.0000**	**0.1086**	**0.1086**	**0.0000**	**0.0000**	**0.1086**

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					9.8300e-003	0.0000	9.8300e-003	5.0500e-003	0.0000	5.0500e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.5800e-003	0.0287	0.0127	3.0000e-005		1.2800e-003	1.2800e-003		1.1700e-003	1.1700e-003	0.0000	2.4767	2.4767	8.0000e-004	0.0000	2.4968
Total	**2.5800e-003**	**0.0287**	**0.0127**	**3.0000e-005**	**9.8300e-003**	**1.2800e-003**	**0.0111**	**5.0500e-003**	**1.1700e-003**	**6.2200e-003**	**0.0000**	**2.4767**	**2.4767**	**8.0000e-004**	**0.0000**	**2.4968**

3.4 Grading - 2021

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	5.0000e-005	4.0000e-005	3.8000e-004	0.0000	1.3000e-004	0.0000	1.3000e-004	3.0000e-005	0.0000	3.0000e-005	0.0000	0.1086	0.1086	0.0000	0.0000	0.1086
Total	**5.0000e-005**	**4.0000e-005**	**3.8000e-004**	**0.0000**	**1.3000e-004**	**0.0000**	**1.3000e-004**	**3.0000e-005**	**0.0000**	**3.0000e-005**	**0.0000**	**0.1086**	**0.1086**	**0.0000**	**0.0000**	**0.1086**

3.5 Building Construction - 2021

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	0.1813	1.3636	1.2899	2.2000e-003		0.0684	0.0684		0.0661	0.0661	0.0000	181.5476	181.5476	0.0324	0.0000	182.3579
Total	**0.1813**	**1.3636**	**1.2899**	**2.2000e-003**		**0.0684**	**0.0684**		**0.0661**	**0.0661**	**0.0000**	**181.5476**	**181.5476**	**0.0324**	**0.0000**	**182.3579**

3.5 Building Construction - 2021

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	2.7900e-003	0.0963	0.0204	2.5000e-004	5.9100e-003	2.0000e-004	6.1100e-003	1.7100e-003	1.9000e-004	1.9000e-003	0.0000	23.5774	23.5774	1.2900e-003	0.0000	23.6097
Worker	7.6600e-003	5.4600e-003	0.0572	1.8000e-004	0.0190	1.3000e-004	0.0191	5.0500e-003	1.2000e-004	5.1700e-003	0.0000	16.2834	16.2834	3.9000e-004	0.0000	16.2931
Total	**0.0105**	**0.1017**	**0.0776**	**4.3000e-004**	**0.0249**	**3.3000e-004**	**0.0252**	**6.7600e-003**	**3.1000e-004**	**7.0700e-003**	**0.0000**	**39.8607**	**39.8607**	**1.6800e-003**	**0.0000**	**39.9028**

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	0.1813	1.3636	1.2899	2.2000e-003		0.0684	0.0684		0.0661	0.0661	0.0000	181.5474	181.5474	0.0324	0.0000	182.3577
Total	**0.1813**	**1.3636**	**1.2899**	**2.2000e-003**		**0.0684**	**0.0684**		**0.0661**	**0.0661**	**0.0000**	**181.5474**	**181.5474**	**0.0324**	**0.0000**	**182.3577**

3.5 Building Construction - 2021

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	2.7900e-003	0.0963	0.0204	2.5000e-004	5.9100e-003	2.0000e-004	6.1100e-003	1.7100e-003	1.9000e-004	1.9000e-003	0.0000	23.5774	23.5774	1.2900e-003	0.0000	23.6097
Worker	7.6600e-003	5.4600e-003	0.0572	1.8000e-004	0.0190	1.3000e-004	0.0191	5.0500e-003	1.2000e-004	5.1700e-003	0.0000	16.2834	16.2834	3.9000e-004	0.0000	16.2931
Total	**0.0105**	**0.1017**	**0.0776**	**4.3000e-004**	**0.0249**	**3.3000e-004**	**0.0252**	**6.7600e-003**	**3.1000e-004**	**7.0700e-003**	**0.0000**	**39.8607**	**39.8607**	**1.6800e-003**	**0.0000**	**39.9028**

3.6 Paving - 2021

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	3.8700e-003	0.0387	0.0443	7.0000e-005		2.0800e-003	2.0800e-003		1.9100e-003	1.9100e-003	0.0000	5.8825	5.8825	1.8600e-003	0.0000	5.9291
Paving	6.4000e-004					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**4.5100e-003**	**0.0387**	**0.0443**	**7.0000e-005**		**2.0800e-003**	**2.0800e-003**		**1.9100e-003**	**1.9100e-003**	**0.0000**	**5.8825**	**5.8825**	**1.8600e-003**	**0.0000**	**5.9291**

3.6 Paving - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.1000e-004	1.5000e-004	1.5500e-003	0.0000	5.1000e-004	0.0000	5.2000e-004	1.4000e-004	0.0000	1.4000e-004	0.0000	0.4410	0.4410	1.0000e-005	0.0000	0.4413
Total	**2.1000e-004**	**1.5000e-004**	**1.5500e-003**	**0.0000**	**5.1000e-004**	**0.0000**	**5.2000e-004**	**1.4000e-004**	**0.0000**	**1.4000e-004**	**0.0000**	**0.4410**	**0.4410**	**1.0000e-005**	**0.0000**	**0.4413**

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	3.8700e-003	0.0387	0.0443	7.0000e-005		2.0800e-003	2.0800e-003		1.9100e-003	1.9100e-003	0.0000	5.8825	5.8825	1.8600e-003	0.0000	5.9291
Paving	6.4000e-004					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**4.5100e-003**	**0.0387**	**0.0443**	**7.0000e-005**		**2.0800e-003**	**2.0800e-003**		**1.9100e-003**	**1.9100e-003**	**0.0000**	**5.8825**	**5.8825**	**1.8600e-003**	**0.0000**	**5.9291**

3.6 Paving - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.1000e-004	1.5000e-004	1.5500e-003	0.0000	5.1000e-004	0.0000	5.2000e-004	1.4000e-004	0.0000	1.4000e-004	0.0000	0.4410	0.4410	1.0000e-005	0.0000	0.4413
Total	**2.1000e-004**	**1.5000e-004**	**1.5500e-003**	**0.0000**	**5.1000e-004**	**0.0000**	**5.2000e-004**	**1.4000e-004**	**0.0000**	**1.4000e-004**	**0.0000**	**0.4410**	**0.4410**	**1.0000e-005**	**0.0000**	**0.4413**

3.7 Architectural Coating - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.0757					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.0900e-003	7.6300e-003	9.0900e-003	1.0000e-005		4.7000e-004	4.7000e-004		4.7000e-004	4.7000e-004	0.0000	1.2766	1.2766	9.0000e-005	0.0000	1.2788
Total	**0.0768**	**7.6300e-003**	**9.0900e-003**	**1.0000e-005**		**4.7000e-004**	**4.7000e-004**		**4.7000e-004**	**4.7000e-004**	**0.0000**	**1.2766**	**1.2766**	**9.0000e-005**	**0.0000**	**1.2788**

3.7 Architectural Coating - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	8.0000e-005	6.0000e-005	6.0000e-004	0.0000	2.0000e-004	0.0000	2.0000e-004	5.0000e-005	0.0000	5.0000e-005	0.0000	0.1696	0.1696	0.0000	0.0000	0.1697
Total	**8.0000e-005**	**6.0000e-005**	**6.0000e-004**	**0.0000**	**2.0000e-004**	**0.0000**	**2.0000e-004**	**5.0000e-005**	**0.0000**	**5.0000e-005**	**0.0000**	**0.1696**	**0.1696**	**0.0000**	**0.0000**	**0.1697**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.0757					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.0900e-003	7.6300e-003	9.0900e-003	1.0000e-005		4.7000e-004	4.7000e-004		4.7000e-004	4.7000e-004	0.0000	1.2766	1.2766	9.0000e-005	0.0000	1.2788
Total	**0.0768**	**7.6300e-003**	**9.0900e-003**	**1.0000e-005**		**4.7000e-004**	**4.7000e-004**		**4.7000e-004**	**4.7000e-004**	**0.0000**	**1.2766**	**1.2766**	**9.0000e-005**	**0.0000**	**1.2788**

3.7 Architectural Coating - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	8.0000e-005	6.0000e-005	6.0000e-004	0.0000	2.0000e-004	0.0000	2.0000e-004	5.0000e-005	0.0000	5.0000e-005	0.0000	0.1696	0.1696	0.0000	0.0000	0.1697
Total	**8.0000e-005**	**6.0000e-005**	**6.0000e-004**	**0.0000**	**2.0000e-004**	**0.0000**	**2.0000e-004**	**5.0000e-005**	**0.0000**	**5.0000e-005**	**0.0000**	**0.1696**	**0.1696**	**0.0000**	**0.0000**	**0.1697**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.0215	0.1474	0.2436	9.5000e-004	0.0745	9.0000e-004	0.0754	0.0200	8.5000e-004	0.0209	0.0000	87.8417	87.8417	3.6400e-003	0.0000	87.9327
Unmitigated	0.0215	0.1474	0.2436	9.5000e-004	0.0745	9.0000e-004	0.0754	0.0200	8.5000e-004	0.0209	0.0000	87.8417	87.8417	3.6400e-003	0.0000	87.9327

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
City Park	0.95	11.38	8.37	7,463	7,463
General Light Industry	3.49	0.66	0.34	7,685	7,685
Industrial Park	89.75	32.72	9.59	183,918	183,918
Parking Lot	0.00	0.00	0.00		
Total	94.18	44.75	18.30	199,066	199,066

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
City Park	9.50	7.30	7.30	33.00	48.00	19.00	66	28	6
General Light Industry	9.50	7.30	7.30	59.00	28.00	13.00	92	5	3
Industrial Park	9.50	7.30	7.30	59.00	28.00	13.00	79	19	2
Parking Lot	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
City Park	0.560371	0.039285	0.190378	0.108244	0.016023	0.005202	0.023981	0.045200	0.002184	0.002561	0.005524	0.000326	0.000721
General Light Industry	0.560371	0.039285	0.190378	0.108244	0.016023	0.005202	0.023981	0.045200	0.002184	0.002561	0.005524	0.000326	0.000721
Industrial Park	0.560371	0.039285	0.190378	0.108244	0.016023	0.005202	0.023981	0.045200	0.002184	0.002561	0.005524	0.000326	0.000721
Parking Lot	0.560371	0.039285	0.190378	0.108244	0.016023	0.005202	0.023981	0.045200	0.002184	0.002561	0.005524	0.000326	0.000721

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	51.0454	51.0454	2.3100e-003	4.8000e-004	51.2454
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	51.0454	51.0454	2.3100e-003	4.8000e-004	51.2454
NaturalGas Mitigated	1.4400e-003	0.0131	0.0110	8.0000e-005		9.9000e-004	9.9000e-004		9.9000e-004	9.9000e-004	0.0000	14.2146	14.2146	2.7000e-004	2.6000e-004	14.2991
NaturalGas Unmitigated	1.4400e-003	0.0131	0.0110	8.0000e-005		9.9000e-004	9.9000e-004		9.9000e-004	9.9000e-004	0.0000	14.2146	14.2146	2.7000e-004	2.6000e-004	14.2991

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
General Light Industry	12375	7.0000e-005	6.1000e-004	5.1000e-004	0.0000		5.0000e-005	5.0000e-005		5.0000e-005	5.0000e-005	0.0000	0.6604	0.6604	1.0000e-005	1.0000e-005	0.6643
Industrial Park	253996	1.3700e-003	0.0125	0.0105	7.0000e-005		9.5000e-004	9.5000e-004		9.5000e-004	9.5000e-004	0.0000	13.5542	13.5542	2.6000e-004	2.5000e-004	13.6348
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
Total		**1.4400e-003**	**0.0131**	**0.0110**	**7.0000e-005**		**1.0000e-003**	**1.0000e-003**		**1.0000e-003**	**1.0000e-003**	**0.0000**	**14.2146**	**14.2146**	**2.7000e-004**	**2.6000e-004**	**14.2991**

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					
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
General Light Industry	12375	7.0000e-005	6.1000e-004	5.1000e-004	0.0000		5.0000e-005	5.0000e-005		5.0000e-005	5.0000e-005	0.0000	0.6604	0.6604	1.0000e-005	1.0000e-005	0.6643
Industrial Park	253996	1.3700e-003	0.0125	0.0105	7.0000e-005		9.5000e-004	9.5000e-004		9.5000e-004	9.5000e-004	0.0000	13.5542	13.5542	2.6000e-004	2.5000e-004	13.6348
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
Total		**1.4400e-003**	**0.0131**	**0.0110**	**7.0000e-005**		**1.0000e-003**	**1.0000e-003**		**1.0000e-003**	**1.0000e-003**	**0.0000**	**14.2146**	**14.2146**	**2.7000e-004**	**2.6000e-004**	**14.2991**

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
City Park	0	0.0000	0.0000	0.0000	0.0000
General Light Industry	3780	1.0997	5.0000e-005	1.0000e-005	1.1040
Industrial Park	163987	47.7058	2.1600e-003	4.5000e-004	47.8927
Parking Lot	7700	2.2400	1.0000e-004	2.0000e-005	2.2488
Total		**51.0454**	**2.3100e-003**	**4.8000e-004**	**51.2454**

5.3 Energy by Land Use - Electricity

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
City Park	0	0.0000	0.0000	0.0000	0.0000
General Light Industry	3780	1.0997	5.0000e-005	1.0000e-005	1.1040
Industrial Park	163987	47.7058	2.1600e-003	4.5000e-004	47.8927
Parking Lot	7700	2.2400	1.0000e-004	2.0000e-005	2.2488
Total		**51.0454**	**2.3100e-003**	**4.8000e-004**	**51.2454**

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.0625	1.0000e-005	6.4000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.2400e-003	1.2400e-003	0.0000	0.0000	1.3200e-003
Unmitigated	0.0625	1.0000e-005	6.4000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.2400e-003	1.2400e-003	0.0000	0.0000	1.3200e-003

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	7.5700e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.0549					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	6.0000e-005	1.0000e-005	6.4000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.2400e-003	1.2400e-003	0.0000	0.0000	1.3200e-003
Total	**0.0625**	**1.0000e-005**	**6.4000e-004**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**1.2400e-003**	**1.2400e-003**	**0.0000**	**0.0000**	**1.3200e-003**

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	7.5700e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.0549					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	6.0000e-005	1.0000e-005	6.4000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.2400e-003	1.2400e-003	0.0000	0.0000	1.3200e-003
Total	**0.0625**	**1.0000e-005**	**6.4000e-004**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**1.2400e-003**	**1.2400e-003**	**0.0000**	**0.0000**	**1.3200e-003**

7.0 Water Detail

7.1 Mitigation Measures Water

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	6.5725	0.1030	2.4800e-003	9.8870
Unmitigated	6.5725	0.1030	2.4800e-003	9.8870

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
City Park	0 / 0.595741	0.6066	3.0000e-005	1.0000e-005	0.6090
General Light Industry	0.115625 / 0	0.2187	3.7800e-003	9.0000e-005	0.3401
Industrial Park	3.03863 / 0	5.7472	0.0992	2.3800e-003	8.9380
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		**6.5725**	**0.1030**	**2.4800e-003**	**9.8870**

7.2 Water by Land Use

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
City Park	0 / 0.595741	0.6066	3.0000e-005	1.0000e-005	0.6090
General Light Industry	0.115625 / 0	0.2187	3.7800e-003	9.0000e-005	0.3401
Industrial Park	3.03863 / 0	5.7472	0.0992	2.3800e-003	8.9380
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		**6.5725**	**0.1030**	**2.4800e-003**	**9.8870**

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	3.4407	0.2033	0.0000	8.5242
Unmitigated	3.4407	0.2033	0.0000	8.5242

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
City Park	0.04	8.1200e-003	4.8000e-004	0.0000	0.0201
General Light Industry	0.62	0.1259	7.4400e-003	0.0000	0.3118
Industrial Park	16.29	3.3067	0.1954	0.0000	8.1923
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Total		**3.4407**	**0.2033**	**0.0000**	**8.5242**

8.2 Waste by Land Use

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
City Park	0.04	8.1200e-003	4.8000e-004	0.0000	0.0201
General Light Industry	0.62	0.1259	7.4400e-003	0.0000	0.3118
Industrial Park	16.29	3.3067	0.1954	0.0000	8.1923
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Total		**3.4407**	**0.2033**	**0.0000**	**8.5242**

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
Emergency Generator	1	8	56	2	0.73	CNG

Boilers

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

User Defined Equipment

Equipment Type	Number

10.1 Stationary Sources

Unmitigated/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
Equipment Type	tons/yr										MT/yr					
Emergency Generator - CNG (0 - 500 HP)	4.9000e-004	5.0000e-005	1.2800e-003	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0286	0.0286	6.0000e-005	0.0000	0.0301
Total	**4.9000e-004**	**5.0000e-005**	**1.2800e-003**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0286**	**0.0286**	**6.0000e-005**	**0.0000**	**0.0301**

11.0 Vegetation

Greenhouse Gas Emission Worksheet

N_2O Mobile Emissions

From CalEEMod v.2016.3.1 Vehicle Fleet Mix Output:

Annual VMT: 199,066

Vehicle Type	Percent Type	CH_4 Emission Factor (g/mile)*	CH_4 Emissions (g/mile)**	N_2O Emission Factor (g/mile)*	N_2O Emissions (g/mile)**
Light Auto	59.9%	0.04	0.0239458	0.04	0.0239458
Light Truck < 3750 lbs	4.1%	0.05	0.00204645	0.06	0.00245574
Light Truck 3751-5750 lbs	18.1%	0.05	0.00905365	0.06	0.01086438
Med Truck 5751-8500 lbs	10.6%	0.12	0.01273788	0.2	0.0212298
Lite-Heavy Truck 8501-10,000 lbs	1.6%	0.12	0.00188196	0.2	0.0031366
Lite-Heavy Truck 10,001-14,000 lbs	0.5%	0.09	0.00049311	0.125	0.000684875
Med-Heavy Truck 14,001-33,000 lbs	1.6%	0.06	0.00097902	0.05	0.00081585
Heavy-Heavy Truck 33,001-60,000 lbs	2.4%	0.06	0.00143856	0.05	0.0011988
Other Bus	0.2%	0.06	0.00011592	0.05	0.0000966
Urban Bus	0.2%	0.06	0.00011592	0.05	0.0000966
Motorcycle	0.6%	0.09	0.00054144	0.01	0.00006016
School Bus	0.1%	0.06	0.00004518	0.05	0.00003765
Motor Home	0.1%	0.09	0.00010098	0.125	0.00014025
Total	**100.0%**		**0.05349587**		**0.064763105**

Total Emissions (metric tons) =
Emission Factor by Vehicle Mix (g/mi) x Annual VMT(mi) x 0.000001 metric tons/g

Conversion to Carbon Dioxide Equivalency (CO_2e) Units based on Global Warming Potential (GWP)

CH_4	21	GWP
N_2O	310	GWP
1 ton (short, US) =	0.90718474	metric ton

Annual Mobile Emissions:

	Total Emissions		Total CO2e units	
N_2O Emissions:	0.0129	metric tons N_2O	**4.00**	metric tons CO_2e
		Project Total:	***4.00***	***metric tons CO_2e***

References

* from Table C.4: Methane and Nitrous Oxide Emission Factors for Mobile Sources by Vehicle and Fuel Type (g/mile).
in California Climate Action Registry General Reporting Protocol, Reporting Entity-Wide Greenhouse Gas Emissions, Version 3.1, January 2009.
Assume Model year 2000-present, gasoline fueled.

** Source: California Climate Action Registry General Reporting Protocol, Reporting Entity-Wide Greenhouse Gas Emissions, Version 3.1, January 2009.

*** CalEEMod v.2016.3.1 results for mobile sources.

Appendix B

Phase I Environmental Site Assessment

PHASE I ENVIRONMENTAL SITE ASSESSMENT
OF

CALTRANS STORAGE YARD
21195 CENTER STREET
CASTRO VALLEY, CALIFORNIA 94546

CARDNO ATC PROJECT NO. 75.45251.0001

NOVEMBER 6, 2013

Prepared by:

Cardno ATC
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1.0 EXECUTIVE SUMMARY

1.1 General Information

Project Information:
Caltrans Storage Yard
75.45251.0001

Site Information:
Caltrans Storage Yard
21195 Center Street
Castro Valley, California 94546
Alameda County

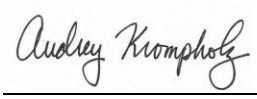
Site Access Contact:
Mr. Mark Shindler
District Office Chief, Right of Way, Caltrans

Client Information:
Geier & Geier Consulting
Mr. Fritz Geier
PO Box 5054
Berkeley, California 94705
Telephone: (510) 644-2535
Email: fgeier@geierconsulting.com

Consultant Information:
Cardno ATC
6602 Owens Drive, Suite 100
Pleasanton, California 94588
Telephone: (925) 460-5300
Fax: (925) 463-2559
Reconnaissance Date: October 28, 2013
Site Assessor: Ms. Destiny S. Hazra
Senior Reviewer: Mr. Gabe Stivala, P.G.
Environmental Professional: Ms. Destiny S. Hazra

Environmental Professional Statement:
I declare that, to the best of my professional knowledge and belief, I meet the definition of *Environmental Professional* as defined in § 312.10 part of 40 CFR 312. We have the specific qualifications based on education, training and experience to assess a property of the nature, history and setting of the subject property. We have developed and performed the all appropriate inquiries in conformance with the standards and practices set forth in 40 CFR Part 312.

Destiny S. Hazra, Senior Scientist
Site Assessor/Environmental Professional



Audrey Krompholz, CAC
Due Diligence Services Manager

Gabe Stivala, P.G.
Senior Project Manager/Senior Geologist

1.2 Findings and Conclusions Summary

Cardno ATC has performed this Phase I Environmental Site Assessment (ESA) in conformance with the scope and limitations of ASTM Standard Practice E 1527-05. Any exceptions to, or deletions from, this practice are described in Section 2.0 of this report. This assessment has revealed no evidence of *recognized environmental conditions* in connection with the property, except for the following:

FINDINGS AND CONCLUSIONS SUMMARY

Report Section		Further Action?	De Minimis Condition	Recognized Environmental Condition (REC)	Historical REC	ASTM Non-Scope Condition	Description
4.0	User Provided Information	No					
5.1.1	Federal Database Findings	No					
5.1.2	State and Tribal Database Findings	No			X		See Note 1 below .
5.1.3	Local Environmental Record Sources	No					
5.3	Historical Records Sources	No					
6.2	Hazardous Substance Use, Storage and Disposal	No					
6.3	Underground Storage Tanks	No					
6.4	Aboveground Storage Tanks	No					
6.5	Other Petroleum Products	No					
6.6	Polychlorinated Biphenyls (PCBs)	No					
6.7	Unidentified Substance Containers	No					
6.8	Nonhazardous Solid Waste	No					
6.9	Wastewater	No					
6.10	Waste Pits, Ponds and Lagoons	No					
6.11	Sumps	No					
6.12	Septic Systems	No					
6.13	Stormwater Management System	No					
6.14	Wells	No					
7.0	Interviews	No					
8.1	Asbestos-Containing Material (ACM)	No				X	Given the construction dates of the property improvements, prior to any demolition or remodeling, Cardno ATC recommends that a comprehensive survey be conducted.
8.2	Radon	No					
8.3	Lead in Drinking Water	No					
8.4	Lead-Based Paint (LBP)	No				X	Given the construction dates of the property improvements, prior to any demolition or remodeling, Cardno ATC recommends that a comprehensive survey be conducted.
8.5	Mold Screening	No					
8.6	Additional User Requested Conditions	No					

Note 1: The property is listed as a leaking underground storage tank (LUST) site within the state records searched by Cardno ATC. In January of 1989 one 1,000-gallon gasoline UST and one 260-gallon diesel UST were removed from the property. During tank removal activities, three soil samples were collected and analytical results identified 1.7 parts per million (ppm) total petroleum hydrocarbons as gasoline (TPH-g), 2,100 ppm total petroleum hydrocarbons as diesel (TPH-d), and non-detect for benzene, toluene, ethylbenzene and xylene (BTEX). During subsequent site

investigation activities conducted between January of 1990 and February of 1991, 14 soil borings were advanced in the vicinity of the former USTs and dispenser area to access the vertical and lateral extent of soil contamination. A monitoring well (MW-1) was also installed near the southeastern extent of the contamination plume. In September of 1992, over excavation of approximately 391 tons of contaminated soil was completed in the vicinity of the former USTs and dispenser area. Subsequent soil samples collected after over excavation activities were complete identified 54 ppm TPH-g, 3.74 ppm TPH-d, and non-detect for BTEX. Three additional monitoring wells (VW-1, VW-2, and VW-3) were installed on September 28, 1992 to access impacts to groundwater. Groundwater samples analyzed between October of 1994 and March of 1996 were non-detect for TPH-g, TPH-d, and BTEX during all sampling events, except for low levels of BTEX detected during the last quarter of sampling in March of 1996. Groundwater flow at the property was reported to the southwest. According to the Fuel Leak Site Case Closure Summary issued by the Alameda County Environmental Health Services (ACEHS) on June 25, 1997, 54 ppm TPH-g, 3.74 ppm TPH-d, 0.58 ppm ethylbenzene, and 0.226 ppm xylene remain in the soil in the vicinity of the former UST pit and dispenser area. In addition, 1.9 parts per billion (ppb) benzene, 3.1 ppb toluene, 1.3 ppb ethylbenzene, and 6.9 ppb xylenes exist within groundwater at the site as of March 1996. According to ACEHS, the corrective actions performed protect public health for the current land use, however if land use changes are proposed, corrective actions should be reviewed. No further actions were recommended by ACEHS. Based on the current regulatory status, the LUST listing is considered to represent an *historical recognized environmental condition* to the property.

1.3 Significant Data Gap Summary

Data gaps may have been encountered during the performance of this Phase I ESA and are discussed within the section of the report where they were encountered. However, according to ASTM Standard Practice E 1527-05, data gaps are only significant if "other information and/or professional experience raise reasonable concerns involving the data gap." The following is a summary of *significant data gaps* identified in this report.

SIGNIFICANT DATA GAP SUMMARY		
Report Section		**Description**
3.5	**Current Uses of Adjoining Properties**	No *significant data gap* identified.
4.2	**Environmental Liens or Activity and Use Limitations (AULs)**	No *significant data gap* identified.
5.1	**Standard Environmental Records**	No *significant data gap* identified.
5.2	**Physical Setting Sources**	No *significant data gap* identified.
5.3	**Historical Records Sources**	No *significant data gap* identified.
6.1	**Methodology and Limiting Conditions**	No *significant data gap* identified.
7.0	**Interviews**	No *significant data gap* identified.

1.4 Recommendations

Based on information collected from the Phase I ESA, Cardno ATC offers the following recommendations for further action:

- Prior to any redevelopment at the property, the potential for impact or disturbance to the residual soil/groundwater contamination located in the vicinity of the former USTs and dispenser area should be assessed and appropriate action taken so that there is no significant impact to human health, safety or the environment. Any proposed redevelopment could necessitate additional sampling, health risk assessment, and/or mitigation measures.

- Prior to any remodeling or demolition of onsite improvements, a comprehensive survey for ACM and lead should be conducted.

2.0 INTRODUCTION

2.1 Purpose

The purpose of this Phase I ESA was to identify *recognized environmental conditions* and certain potential environmental conditions outside the scope of ASTM Standard Practice E 1527-05 in connection with the property at the time of the site reconnaissance. This report documents the findings, opinions and conclusions of the Phase I ESA.

2.2 Scope

This Phase I ESA was conducted in general accordance with the ASTM Standard Practice E 1527-05, consistent with a level of care and skill ordinarily practiced by the environmental consulting profession currently providing similar services under similar circumstances. Significant additions, deletions or exceptions to ASTM Standard Practice E 1527-05 are noted below or in the corresponding sections of this report. The scope of this assessment included an evaluation of the following:

- Physical setting characteristics of the property through a review of referenced sources such as topographic maps and geologic, soils and hydrologic reports.

- Usage of the property, adjoining properties and surrounding area through a review of referenced historical sources such as land title records, fire insurance maps, city directories, aerial photographs, prior reports and interviews.

- Observations and interviews regarding current property usage and conditions including: the use, treatment, storage, disposal or generation of hazardous substances, petroleum products, hazardous wastes, nonhazardous solid wastes and wastewater.

- Usage of adjoining and surrounding area properties and the likely impact of known or suspected releases of hazardous substances or petroleum products from those properties on the property.

- Information in referenced environmental agency databases and local environmental records, within the specified approximate minimum search distance from the property.

The scope of the assessment also included consideration of the following environmental issues or conditions that are beyond the scope of ASTM Standard Practice E 1527-05:

- The scope of work for the Mold Screening was intended to be consistent with ASTM E 2418-06: Standard Guide for Readily Observable Mold and Conditions Conducive to Mold in Commercial Buildings: Baseline Survey Process. The scope of work, including potential deviations from the Standard Guide, is described as follows. The interview was limited to at least one knowledgeable person from property management or engineering staff. The document review was limited to only those relevant documents made readily available to Cardno ATC in a timely manner. The physical observations were limited to certain Heating, Ventilation and Air Conditioning (HVAC) system areas and other readily accessible building areas likely to become subject to water damage, plumbing leaks, and flooding. Unless noted otherwise herein, Cardno ATC observed the HVAC equipment room(s) and accessible mechanical rooms and, in buildings with package units in the ceiling, at least one unit per floor. Also, unless noted otherwise, Cardno ATC observed accessible areas of the basement (or lowest level), the top floor, the roof (including any penthouse areas) and at least one mid-level floor (if applicable). For multi-story buildings, the total number of floors observed (inclusive of those already mentioned) was intended to be up to 10% of the total number of floors (if readily accessible). For hotel and multi-family buildings, Cardno ATC targeted the lowest and highest levels and roof as described above and up to 10% of units, including one per

floor if readily accessible. The Mold Screening did not include destructive methods of observation. No sampling or laboratory analyses were conducted. The Mold Screening service as described herein was limited in scope and by the time and cost considerations typically associated with performing a Phase I ESA. No method can guarantee that a hazard will be discovered if evidence of the hazard is not encountered within the performance of the Mold Screening as authorized and that opinions and conclusions must, out of necessity, be extrapolated from limited information and discrete, non-continuous data points. Unidentified mold or other microbial conditions may exist on the property.

- Visual observation of suspect asbestos-containing materials (ACM), consisting of providing an opinion on the condition of suspect ACM on the property based upon visual observation during the site reconnaissance. No sampling of suspect ACM was conducted.

- Radon document review, consisting of the review of published radon data with regard to the potential for elevated levels of radon gas in the surrounding area of the property. No radon sampling was conducted.

- Lead in Drinking Water Data review, consisting of contacting the water supplier for information regarding whether or not the potable water provided to the property meets the drinking water standards for lead.

- Visual observation of Lead-based paint (LBP), consisting of providing an opinion on the potential for suspect LBP based on the construction date of buildings on the property and visual observation of the condition of suspect LBP.

- Wetlands document review, consisting of a review of a current National Wetlands Inventory map of the surrounding area to note if the property is identified as having a wetland.

- Flood plain document review, consisting of a review of a reasonably ascertainable flood plain map of the surrounding area to note if the property is identified as being located within a flood plain.

2.3 Significant Assumption

The assumptions in this report were not considered as having significant impact on the determination of *recognized environmental conditions* associated with the property.

2.4 Limitations and Exceptions

Cardno ATC has prepared this Phase I ESA report using reasonable efforts to identify *recognized environmental conditions* associated with hazardous substances or petroleum products at the property. Findings contained within this report are based on information collected from observations made on the day(s) of the site reconnaissance and from reasonably ascertainable information obtained from certain public agencies and other referenced sources.

The ASTM Standard Practice E 1527-05 recognizes inherent limitations for Phase I ESAs, including, but not limited to:

- *Uncertainty Not Eliminated* – A Phase I ESA cannot completely eliminate uncertainty regarding the potential for *recognized environmental conditions* in connection with any property.

- *Not Exhaustive* – A Phase I ESA is not an exhaustive investigation of the property and environmental conditions on such property.

- *Past Uses of the Property* – Phase I requirements only require review of standard historical sources at five year intervals. Therefore, past uses of property at less than five year intervals may not be discovered.

Users of this report may refer to ASTM Standard Practice E 1527-05 for further information regarding these and other limitations. This report is not definitive and should not be assumed to be a complete and/or specific definition of all conditions above or below grade. Current subsurface conditions may differ from the conditions determined by surface observations, interviews and reviews of historical sources. The most reliable method of evaluating subsurface conditions is through intrusive techniques, which are beyond the scope of this report. Information in this report is not intended to be used as a construction document and should not be used for demolition, renovation, or other property construction purposes. Any use of this report by any party, beyond the scope and intent of the original parties, shall be at the sole risk and expense of such user.

Cardno ATC makes no representation or warranty that the past or current operations at the property are, or have been, in compliance with all applicable federal, state and local laws, regulations and codes. This report does not warrant against future operations or conditions, nor does it warrant against operations or conditions present of a type or at a location not investigated. Regardless of the findings stated in this report, Cardno ATC is not responsible for consequences or conditions arising from facts not fully disclosed to Cardno ATC during the assessment.

An independent data research company provided the government agency database referenced in this report. Information on surrounding area properties was requested for approximate minimum search distances and is assumed to be correct and complete unless obviously contradicted by Cardno ATC's observations or other credible referenced sources reviewed during the assessment. Cardno ATC shall not be liable for any such database firm's failure to make relevant files or documents properly available, to properly index files, or otherwise to fail to maintain or produce accurate or complete records.

Cardno ATC makes no warranty, guarantee or certification regarding the quality, accuracy or reliability of any prior report provided to Cardno ATC and discussed in this Phase I ESA report. Cardno ATC expressly disclaims any and all liability for any errors or omissions contained in any prior reports provided to Cardno ATC and discussed in this Phase I ESA report.

Cardno ATC used reasonable efforts to identify evidence of aboveground and underground storage tanks and ancillary equipment on the property during the assessment. "Reasonable efforts" were limited to observation of accessible areas, review of referenced public records and interviews. These reasonable efforts may not identify subsurface equipment or evidence hidden from view by things including, but not limited to, snow cover, paving, construction activities, stored materials and landscaping.

Any estimates of costs or quantities in this report are approximations for commercial real estate transaction due diligence purposes and are based on the findings, opinions and conclusions of this assessment, which are limited by the scope of the assessment, schedule demands, cost constraints, accessibility limitations and other factors associated with performing the Phase I ESA. Subsequent determinations of costs or quantities may vary from the estimates in this report. The estimated costs or quantities in this report are not intended to be used for financial disclosure related to the Financial Accounting Standards Board (FASB) Statement No. 143, FASB Interpretation No. 47, Sarbanes/Oxley Act or any United States Securities and Exchange Commission reporting obligations, and may not be used for such purposes in any form without the express written permission of Cardno ATC.

Cardno ATC is not a professional title insurance or land surveyor firm and makes no guarantee, express or implied, that any land title records acquired or reviewed in this report, or any physical descriptions or depictions of the property in this report, represent a comprehensive definition or precise delineation of property ownership or boundaries.

The Environmental Professional Statement in Section 1.1 of this report does not "certify" the findings contained in this report and is not a legal opinion of such *Environmental Professional*. The *Environmental Professional* Statement is intended to document Cardno ATC's opinion that an individual meeting the qualifications of an Environmental Professional was involved in the performance of the assessment and that the activities performed by, or under the supervision of, the *Environmental Professional* were performed in conformance with the standards and practices set forth in 40 CFR Part 312 per the methodology in ASTM Standard Practice E 1527-05 and the scope of work for this assessment.

Per ASTM Standard Practice E 1527-05, Section 6, User Responsibilities, the User of this assessment has specific obligations for performing tasks during this assessment that will help identify the possibility of *recognized environmental conditions* in connection with the property. Failure by the User to fully comply with the requirements may impact their ability to use this report to help qualify for *Landowner Liability Protections* (LLPs) under Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). Cardno ATC makes no representations or warranties regarding a User's qualification for protection under any federal, state or local laws, rules or regulations.

In accordance with the ASTM Standard Practice E 1527-05, this report is presumed to be valid for a six month period. If the report is older than six months, the following information must be updated in order for the report to be valid: (1) regulatory review, (2) site visit, (3) interviews, (4) specialized knowledge and (5) environmental liens search. Reports older than one year may not meet the ASTM Standard Practice 1527-05 and therefore, the entire report must be updated to reflect current conditions and property-specific information.

Other limitations and exceptions that are specific to the scope of this report may be found in corresponding sections.

2.5 Special Terms and Conditions (User Reliance)

This report is for the use and benefit of, and may be relied upon by, Geier & Geier Consulting, and any of its affiliates, and third parties authorized in writing by Geier & Geier Consulting and Cardno ATC, including the lender(s) in connection with a secured financing of the property, and their respective successors and assigns. Any third party agrees by accepting this report that any use or reliance on this report shall be limited by the exceptions and limitations in this report, and with the acknowledgment that actual site conditions may change with time, and that hidden conditions may exist at the property that were not discovered within the authorized scope of the assessment. Any use by or distribution of this report to third parties, without the express written consent of Cardno ATC, is at the sole risk and expense of such third party.

Cardno ATC makes no other representation to any third party except that it has used the degree of care and skill ordinarily exercised by environmental consultants in the preparation of the report and in the assembling of data and information related thereto. No other warranties are made to any third party, either express or implied. Unless otherwise agreed upon in writing by Cardno ATC and a third party, Cardno ATC's liability to any third party authorized to use or rely on this report with respect to any acts or omissions shall be limited to a total maximum amount of $100,000.

3.0 SITE DESCRIPTION

3.1 Location and Legal Description

The property address is 21195 Center Street in Castro Valley, Alameda County, California, 94546. The Site Vicinity Map is located in Appendix A. The Site Plan is located in Appendix B. Site Photographs are provided in Appendix C. According to information obtained from the Alameda County Property Assessor's office, the property is identified as Assessor Parcel Numbers (APNs); 084C065000100, 084C065000204, and 084C065000203.

3.2 Surrounding Area General Characteristics

The property is located within the City of Castro Valley in an area characterized by residential and commercial uses. Surface topography across the property and in the surrounding area is relatively flat with a slope towards the west. Specific adjacent and abutting properties are summarized in Section 3.5.

3.3 Current Use of the Property

The property is currently developed as a storage facility for the California Department of Transportation, known as Caltrans Storage Yard. The storage yard is developed with six structures and a mobile trailer. The property buildings were reportedly constructed between circa 1939 and 2005. Parking is located in asphalt-paved areas. A Site Plan is located in Appendix B.

Following is a table summarizing tenant use of the property. A Site Plan is located in Appendix B.

TENANT USE OF THE PROPERTY			
Tenant Name	**Location**	**Type of Use**	**Comments**
Caltrans	Building 1	Administrative Office, currently vacant	None
Caltrans	Building 2	Equipment Storage, currently vacant	None
Caltrans	Building 3	Equipment Storage, currently vacant	None
Caltrans	Building 4	Equipment Storage	None
Caltrans	Building 5	Equipment Storage, currently vacant	None
Caltrans	Building 6	Equipment Storage	None
Caltrans	Mobile Trailer	Administrative Office/Equipment Storage, currently vacant	None

3.4 Description of Property Improvements

The following table provides general descriptions of the property improvements.

PROPERTY IMPROVEMENTS	
Size of Property (approximate)	1.7 Acres
General Topography of Property	Relatively flat with a slope towards the west
Adjoining and/or Access/Egress Roads	Center Street to the east
Paved or Concrete Areas (including parking)	The entire property is paved.
Unimproved Areas	None
Landscaped Areas	None
Surface Water	None
Potable Water Source	East Bay Municipal Utility District (EBMUD)
Sanitary Sewer Utility	Castro Valley Sanitary District
Storm Sewer Utility	Alameda County Public Works Department
Electrical Utility	Pacific Gas and Electric (PG&E)
Natural Gas Utility	PG&E
Current Occupancy Status	General description or percent occupied
Unoccupied Buildings/Spaces/Structures	General description including location vacant buildings/areas

PROPERTY IMPROVEMENTS	
Number of Occupied Buildings	Two of the six buildings are used for the storage of Caltrans equipment; the remaining buildings are vacant.

Building Name or General Building Description	Building 1
Number of Floors	One
Total Square Feet of Space (approximate)	1,200 square feet
Construction Completion Date (year)	Circa 1939
Construction Type	Wood Frame
Interior Finishes Description	Drywall, ceramic tile, vinyl floor tile, acoustical ceiling tiles
Exterior Finishes Description	Wood
Cooling System Type	Packaged Terminal Air Conditioner (PTAC)
Heating System Type	Packaged Terminal Heat Pump (PTHP)
Emergency Power	None

Building Name or General Building Description	Buildings 2, 3, and 5
Number of Floors	One
Total Square Feet of Space (approximate)	900 square feet (each)
Construction Completion Date (year)	Circa 1958
Construction Type	Aluminum walls with aluminum roof
Interior Finishes Description	Aluminum walls with aluminum roof and concrete floor
Exterior Finishes Description	Aluminum walls with aluminum roof
Cooling System Type	None
Heating System Type	None
Emergency Power	None

Building Name or General Building Description	Building 4
Number of Floors	One
Total Square Feet of Space (approximate)	1,000 square feet
Construction Completion Date (year)	Circa 2005
Construction Type	Aluminum garage structure
Interior Finishes Description	Aluminum walls with aluminum roof and concrete floor
Exterior Finishes Description	Aluminum walls with aluminum roof
Cooling System Type	None
Heating System Type	None
Emergency Power	None

Building Name or General Building Description	Building 6
Number of Floors	One
Total Square Feet of Space (approximate)	3,000 square feet
Construction Completion Date (year)	Circa 1939
Construction Type	Office facility with garage structure
Interior Finishes Description	Wooden frame and concrete floor
Exterior Finishes Description	Wooden frame
Cooling System Type	PTAC
Heating System Type	PTHP
Emergency Power	None

Building Name or General Building Description	Mobile trailer
Number of Floors	One
Total Square Feet of Space (approximate)	800 square feet
Construction Completion Date (year)	Unknown
Construction Type	Mobile trailer
Interior Finishes Description	Aluminum walls with aluminum roof
Exterior Finishes Description	Aluminum walls with aluminum roof
Cooling System Type	Packaged Terminal Air Conditioner (PTAC)
Heating System Type	Packaged Terminal Heat Pump (PTHP)
Emergency Power	None

3.5 Current Uses of Adjoining Properties

Current uses of the adjoining properties were observed to be as follows:

Direction from Property	Address	Occupant(s) Name	Current Use	Potential Environmental Conditions
North	Various Addresses	Various Private Residents	Residential	None
Southeast	N/A	Castro Valley Boulevard	Transportation	None
Southwest	Various Addresses	Various Private Residents	Residential	None
East (Beyond Center Street)	3300 Castro Valley Boulevard	Domino's Pizza, Keller Williams Realty, The Dry Cleaner, Chicago Title, Valley Hair and Nail Design, Kasper's Restaurant, Bicycles Sales and Service	Commercial	Refer to Section 5.1.2
West	Various Addresses	Various Private Residents	Residential	None

4.0 USER PROVIDED INFORMATION

The following section summarizes information (if any) provided by Geier & Geier Consulting (User) with regard to the Phase I ESA. Documentation may be found in Appendix D or where referenced in this report.

4.1 Title Records

The User provided no title records information.

4.2 Environmental Liens or Activity and Use Limitations (AULs)

The User provided no information regarding property environmental liens or activity and use limitations (AULs). Cardno ATC contracted EDR to perform an environmental lien search for the property. According to the environmental lien and AUL search report, no environmental liens or AULs are reported for the property.

A copy of the report is included in Appendix L.

4.3 Specialized Knowledge or Experience of the User

The User provided no specialized knowledge regarding *recognized environmental conditions* associated with the property.

4.4 Significant Valuation Reduction for Environmental Issues

The User provided no information regarding a significant valuation reduction for environmental issues associated with the property.

4.5 Owner, Property Manager and Occupant Information

The User identified the property owner, manager and/or occupants as Caltrans, Right of Way Division.

4.6 Reason for Performing Phase I ESA

According to information provided by the User, this Phase I ESA will be used in connection with a commercial real estate transaction to identify *recognized environmental conditions* associated with the property.

4.7 Other User Provided Documents

The User provided no other documents as described in the ASTM Standard Practice E 1527-05.

5.0 RECORDS REVIEW

5.1 Standard Environmental Records

The regulatory agency database report discussed in this section, provided by Environmental Data Resources Inc. (EDR) of Milford, Connecticut, was reviewed for information regarding reported releases of hazardous substances and petroleum products on or near the property. Cardno ATC also reviewed the "unmappable" (also referred to as "orphan") listings within the database report, cross-referencing available address information and facility names. Unmappable sites are listings that could not be plotted with confidence, but are potentially in the general area of the property based on the partial street address, city, or zip code. Any unmappable site that was identified by Cardno ATC as a being within the approximate minimum search distance from the property based on the site reconnaissance and/or cross-referencing to mapped listings, is included in the discussion within this section. The complete regulatory agency database report may be found in Appendix E.

The following is a summary of the findings of the database review.

SUMMARY OF FEDERAL, STATE AND TRIBAL DATABASE FINDINGS			
Regulatory Database	**Approx. Minimum Search Distance**	**Property Listed?**	**# Sites Listed**
Federal National Priority List (NPL)	1 mile	No	0
Federal Delisted NPL	½ mile	No	0
Federal Comprehensive Environmental Response, Compensation, and Liability Information System (CERCLIS) list	½ mile	No	0
Federal CERCLIS No Further Remedial Action Planned (NFRAP)	½ mile	No	0
Federal Resource Conservation and Recovery Act (RCRA), Corrective Action facilities (CORRACTS)	1 mile	No	0
Federal RCRIS non- CORRACTS Treatment, Storage, and Disposal Facilities (TSD)	½ mile	No	0
Federal RCRA Generators	Property & Adjoining	**Yes**	1
Federal Institutional Control/Engineering Control Registry	Property	No	
Federal Emergency Response Notification System (ERNS) list	Property	No	
Facility Index System/Facility Registry System (FINDS)	Property & Adjoining	**Yes**	1
State and Tribal NPL	1 mile	No	1
State and Tribal CERCLIS	½ mile	No	
State and Tribal Landfill or Solid Waste Disposal Sites	½ mile	No	
State and Tribal Leaking Underground Storage Tanks (LUST)	½ mile	**Yes**	11
State and Tribal Registered Underground Storage Tanks (UST)	Property & Adjoining	No	0
SWEEPS UST	Property & Adjoining	**Yes**	1
Historical UST (HIST UST)	Property & Adjoining	**Yes**	1
Hazardous Waste Manifests (HAZNET)	Property & Adjoining	**Yes**	1
HIST CORTESE	½ mile	**Yes**	
State and Tribal Institutional Control/Engineering Control Registry	Property	No	
State and Tribal Voluntary Cleanup Site	½ mile	No	
State and Tribal Brownfield Sites	½ mile	No	
California Department of Toxic Substances (ENVIROSTOR)	½ mile	No	1
CA FID UST	½ mile	**Yes**	5

SUMMARY OF FEDERAL, STATE AND TRIBAL DATABASE FINDINGS			
Regulatory Database	**Approx. Minimum Search Distance**	**Property Listed?**	**# Sites Listed**
Alameda County Contaminated Site (CS)	½ mile	**Yes**	8
Notify 65	½ mile	No	1
DRYCLEANERS	½ mile	No	1
EDR US Hist Auto Stations	½ mile	No	1
EDR US Hist Cleaners	½ mile	No	3

5.1.1 Federal Agency Database Findings

The property was listed within the federal databases searched by EDR. Federal listing(s) as well as state and tribal listings for the property are fully discussed in Section 5.1.1.

The following listing(s) with a known or significant potential for release and impact on the property were identified in the federal agency databases searched:

Caltrans Hayward Maintenance Station
21195 Center Street
Databases: RCRA-SQG, FINDS, HAZNET, HIST UST, HIST CORTESE, LUST, CA FID UST, Alameda County CS, SWEEPS UST
Approximate Distance from the Property: N/A (the property)
Assumed Groundwater Gradient: N/A (the property)
Regulatory Data Summary: The property is listed as a Federal Resource Conservation and Recovery Act – Small Quantity Generator (RCRA-SQG) for the generation of more than 100 kilograms (kg) and less than 1000 kg of hazardous wastes during any calendar month. There were no reported violations associated with this listing. The property is also listed within the Alameda County HAZNET database due to the storage, bulking and or transfer of aged or surplus organics and/or other organics. Cardno ATC reviewed files maintained by the Alameda County Environmental Health Department (ACEHD) on October 31, 2013. According to files reviewed, hazard materials stored onsite included; ACZA (Ammoniacal Copper Zinc Arsenate) treated wood, pyrotechnic devices (Highway safety fuses), petroleum hydrocarbon (crank motor oil), commercial propane, welding oxygen, and water-borne paints. ACEHD records contained one violation for the improper labeling of used 55-gallon drums stored on the property. No other violations regarding hazard materials on the property were reported.

The remaining listings reported for the property are related to former onsite underground storage tanks (USTs). In January of 1989 one 1,000-gallon gasoline UST and one 260-gallon diesel UST were removed from the property (refer to Site Map in Appendix B). During tank removal activities, three soil samples were collected and analytical results identified 1.7 parts per million (ppm) total petroleum hydrocarbons as gasoline (TPH-g), 2,100 ppm total petroleum hydrocarbons as diesel (TPH-d), and non-detect for benzene, toluene, ethylbenzene and xylene (BTEX). During subsequent site investigation activities conducted between January of 1990 and February of 1991, 14 soil borings were advanced in the vicinity of the former USTs and dispenser area to access the vertical and lateral extent of soil contamination. A monitoring well (MW-1) was also installed near the southeastern extent of the contamination plume.

In September of 1992, over excavation of approximately 391 tons of contaminated soil was completed in the vicinity of the former USTs and dispenser area. Subsequent soil samples collected after over excavation activities were complete identified 54 ppm TPH-g, 3.74 ppm TPH-d, and non-detect for BTEX. Three additional monitoring wells (VW-1, VW-2, and VW-3) were installed on September 28, 1992 to access impacts to groundwater. Groundwater samples analyzed between October of 1994 and March of 1996 were non-detect for TPH-g, TPH-d, and

BTEX during all sampling events, except for low levels of BTEX detected during the last quarter of sampling in March of 1996. Groundwater flow at the property was reported to the southwest. According to a Well Abandonment Notification, dated June 11, 1997, all four onsite monitoring wells were properly abandoned on May 22, 1997. A copy of the notification is included in Appendix L.

According to the Fuel Leak Site Case Closure Summary issued by the Alameda County Environmental Health Services (ACEHS) on June 25, 1997, 54 ppm TPH-g, 3.74 ppm TPH-d, 0.58 ppm ethylbenzene, and 0.226 ppm xylene remain in the soil in the vicinity of the former UST pit and dispenser area. In addition, 1.9 parts per billion (ppb) benzene, 3.1 ppb toluene, 1.3 ppb ethylbenzene, and 6.9 ppb xylenes exist within groundwater at the site as of March 1996. According to ACEHS, the corrective actions performed protect public health for the current land use, however if land use changes are proposed, corrective actions should be reviewed. No further actions were recommended by ACEHS. Copies of the Fuel Leak Site Case Closure Summary and closure letter for the property are included in Appendix L.

Discussion: Based on the current regulatory status, the LUST listing is considered to represent an *historical recognized environmental condition* to the property.

Based on distance, topography, assumed groundwater gradient, current regulatory status, and/or the absence of reported releases, none of the other sites listed in the federal agency databases are considered to represent a likely past, present or material threat of release on the property.

5.1.2 State and Tribal Database Findings

The following listing(s) with a known or significant potential for release and impact on the property were identified in the state and tribal databases searched:

Texaco/Speedee Oil Change
3940 Castro Valley Boulevard
Databases: LUST
Approximate Distance from the Property: 754 Feet
Assumed Groundwater Gradient: Down-gradient from the property
Regulatory Data Summary: This facility is listed as a LUST site with a closed status. A release at the site was reported in June of 1985. According to information obtained from the RWQCB GeoTracker website (http://geotracker.swrcb.ca.gov), excavation was performed at the site in June of 1985. The site received closure from ACEHD on February 27, 1995.
Discussion: Based on the down-gradient location, the site is not considered to represent a likely past, present or material threat of release on the property.

The Dry Cleaners
3300 East Castro Valley Boulevard
Databases: EDR US Hist Cleaners
Approximate Distance from the Property: 362 Feet
Assumed Groundwater Gradient: Cross-gradient from the property
Regulatory Data Summary: This facility is listed as a historical cleaners by EDR for the years 1999 to 2012. No violations or releases are reported for the facility.
Discussion: Based on the cross-gradient location, this facility is not considered to represent a likely past, present or material threat of release on the property.

Based on distance, topography, assumed groundwater gradient, current regulatory status, and/or the absence of reported releases, none of the other sites listed in the state and tribal databases are considered to represent a likely past, present or material threat of release on the property.

5.1.3 Local Environmental Records Sources

Local Health Department

Cardno ATC reviewed available records maintained by the Alameda County Environmental Health Department (ACEHD). Available records for the property are discussed in Section 5.1.2.

Local Environmental Agency

Cardno ATC contacted the Regional Water Quality Control Board (RWQCB) and requested to review available information regarding the property. According to Ms. Melinda Wong of the RWQCB, there are no files for the property.

According to the RWQCB GeoTracker website, http://geotracker.swrcb.ca.gov, a leaking underground storage tank (LUST) site is located on the property. Refer to Section 5.1.1 for further discussion.

Fire Department

Cardno ATC contacted the Alameda County Fire Department (ACFD) to review available information regarding the property. The ACFD has not provided a response to Cardno ATC's request as of the date of this report. If information becomes available to Cardno ATC that alters the conclusions and/or recommendations presented herein, an addendum will be submitted.

Department of Planning and Zoning

Cardno ATC spoke with Mr. “Andy” (last name withheld) of the Alameda County Planning Commission, who stated that the property is currently zoned Castro Valley Central Business District, Subsection 10, which appears to be appropriate for the current use.

Building Department

Cardno ATC contacted the Alameda County Building Department to review available information regarding the property. The Department has not provided a response to Cardno ATC's request as of the date of this report. If information becomes available to Cardno ATC that alters the conclusions and/or recommendations presented herein, an addendum will be submitted.

Electrical Utility Company

Cardno ATC confirmed the property is provided electrical service by PG&E.

Water Utility

Cardno ATC confirmed the property is provided water utility by EBMUD.

Sewer Utility

Cardno ATC confirmed the property is provided sewer utility by the Castro Valley Sanitary District.

Other Local Environmental Records Sources

No additional local environmental records sources were reviewed.

5.2 Physical Setting Sources

5.2.1 Topography

Based on the United States Geological Survey (USGS) 7.5-Minute Topographic Map Series, Hayward, California, Quadrangle Topographic Map, photo revised 1980, the property is located approximately 228 feet above mean sea level (MSL) and has a gradually sloping topography towards the west.

A copy of the topographic map is included in Appendix A.

5.2.2 Geology

Based on the California Department of Conservation, California Geological Survey, Generalized Geologic Map of California Note 17, dated April 2002, the property is primarily underlain by Quaternary sedimentary deposits. Sedimentary rocks form as accumulations of mineral material in oceans (marine) or on continents(continental). Quaternary sedimentary rocks include gravel, sand, silt, and clay deposited mostly in valleys and lowlands onshore.

5.2.3 Soils

According to Cardno ATC's review of the United States Department of Agriculture Soil Conservation Service Web-Based Soil Survey, the property is entirely underlain by Altamont clay with five to 15 percent slopes.

A copy of the soil map is included in Appendix L.

5.2.4 Hydrology

Considering the surface topography for the property area, as interpreted from the Hayward Quadrangle map, local groundwater would be expected to flow toward the west. Cardno ATC reviewed groundwater monitoring reports for onsite groundwater monitoring wells from 1994 to 1996. Groundwater flow was reported to the southwest. Therefore, in assessing potential off-site environmental impacts, facilities located to the northeast of the property are of primary concern.

Actual groundwater flow direction is often locally influenced by factors such as underground structures, seasonal fluctuations, soil and bedrock geology, production wells, and other factors beyond the scope of this study. The current groundwater flow direction under the property can be accurately determined only by installing groundwater-monitoring wells, which was beyond the scope of this project.

5.2.5 Other Physical Setting Sources

Wetlands

Based on a review of the United States Department of the Interior, National Wetlands Inventory (NWI) Map (undated, online Wetlands Mapper at http://www.fws.gov/wetlands/, there are no jurisdictional wetlands on the property. Furthermore, ATC did not observe any areas suggestive of wetlands at the property.

The NWI map for the property is included in Appendix L.

Floodplains

According to the Federal Emergency Management Agency (FEMA), the property is located in Flood Zone X, which is identified by FEMA as "areas determined to be outside the 0.2% annual chance floodplain" (Flood Insurance Rate Map [FIRM] Map Number 06001C279G, dated August 3, 2009).

A copy of the FIRM is included in Appendix L.

5.3 Historical Records Sources

The following table summarizes the findings of the research presented below pertaining to historical property and surrounding area uses.

HISTORICAL USE SUMMARY				
Period	**Identified Historical Uses**		**Source(s)**	**Intervals/Comments**
	Property	**Surrounding Area**		
Prior to 1940	Undeveloped/ Agriculture/ Residential	Agriculture	Aerial Photograph Topographic Maps	The earliest available record is an 1899 topographic map which depicts the property and surrounding area as generally undeveloped.
1940-1960	Commercial	Residential	Aerial Photographs Topographic Maps	No use changes across data gaps.
1961-1980	Commercial	Residential	Aerial Photographs Topographic Maps	No use changes across data gaps.
1981 to 2001	Commercial	Residential	Aerial Photographs Topographic Maps Property Tax Files Records Review	No data gaps.
2002-present	Commercial	Residential	Aerial Photographs Property Tax Files Records Review	No data gaps.

In general, the property was developed for residential/agricultural use prior to 1940. By circa 1958 the property was utilized by the state of California as a maintenance and storage facility for highway operations.

5.3.1 Aerial Photographs

Cardno ATC reviewed available aerial photographs of the property and surrounding areas at SOURCE. Available aerial photographs ranged from 1939 to 2012. The following are descriptions and interpretations from the aerial photograph review.

AERIAL PHOTOGRAPH SUMMARY		
Year	**Scale**	**Comments**
1939, 1946	1 inch = 500 feet	**Property**: The property appears to be developed with a residential structure and another structure which appears to be a barn or storage facility for agricultural equipment. **Surrounding Area**: The surrounding areas are depicted as agricultural land.

AERIAL PHOTOGRAPH SUMMARY		
Year	**Scale**	**Comments**
1958	1 inch = 500 feet	**Property**: The property appears to be developed as the Caltrans Storage Yard, Buildings 1, 2, 3, 5 and 6 are depicted in the aerial photograph. **Surrounding Area**: The surrounding areas to the north, south and west of the property are developed for residential use. The surrounding area to the east of the property, beyond Center Street, is improved with residential houses followed by vacant land.
1968, 1974	1 inch = 500 feet	**Property**: Due to the poor resolution, no determinations can be made from the aerial photograph(s). **Surrounding Area**: Due to the poor resolution, no determinations can be made from the aerial photograph(s).
1984	1 inch = 500 feet	**Property**: No changes since the 1958 aerial photograph. **Surrounding Area**: Redevelopment of the east adjacent area (beyond Center Street) is underway. Construction of Interstate-580 is depicted to the south of the property. The surrounding areas to the north and west of the property are developed for residential use.
1993, 1999	1 inch = 500 feet	**Property**: No changes since the 1958 aerial photograph. **Surrounding Area**: The surrounding area to the east has been redeveloped for commercial/retail use. The adjoining property to the south is developed for residential use, followed by Interstate-580. The surrounding areas to the north and west of the property are developed for residential use.
2005, 2006, 2009, 2010, 2012	1 inch = 500 feet	**Property**: The property is depicted in the current configuration (with all 6 buildings) by the 2005 aerial photograph. **Surrounding Area**: No changes since the 1993 aerial photograph.

The review of aerial photographs did reveal the property's past use as the Caltrans Storage Yard, indicating a potential *recognized environmental conditions* at the property. For further discussion refer to Section 5.1.1.

Copies of reproducible aerial photographs are included in Appendix F.

5.3.2 Fire Insurance Maps

A search for fire insurance maps for the property and surrounding area was conducted by EDR. No such maps for the property were available.

Documentation is included in Appendix G.

5.3.3 Property Tax Files

Cardno ATC reviewed reasonably ascertainable tax files provided by the Alameda County Property Assessor's Office for historical ownership information pertaining to the property. According to these records, the property has been owned by the State of California since at least 1993. Records prior to 1993 were not readily available.

5.3.4 Recorded Land Title Records

The acquisition of recorded land title records was not required by the scope of work for the Phase I ESA.

5.3.5 Historical USGS Topographic Maps

Cardno ATC reviewed available historical USGS Topographic Maps for information regarding past uses of the property provided by EDR. Historical USGS Topographic Maps for the years 1899, 1915, 1947, 1948, 1950, 1959, 1968, 1973, 1980 and 1993 were reviewed. The 1899 and 1915 maps depict the property

and surrounding area as undeveloped land. The 1947, 1948 and 1950 maps depict structures along the property and surrounding areas, however the use of these structures cannot be determined. By the 1959 map, the property and surrounding areas are shaded pink or grey, indicating a developed area.

Documentation is included in Appendix G. The review of historic USGS Topographic Maps did not identify specific past uses indicating *recognized environmental conditions* at the property or surrounding area.

5.3.6 City Directories

Research regarding the availability of historical city directories was conducted by EDR. No historical city directories were available for the property. City directory listings for the surrounding areas were limited to individual residents.

Documentation is included in Appendix G. The review of city directories did not identify past uses indicating *recognized environmental conditions* at the property or surrounding areas.

5.3.7 Building Department Records

Cardno ATC contacted the Alameda County Building Department to review available information regarding the property. The Department has not provided a response to Cardno ATC's request as of the date of this report. If information becomes available to Cardno ATC that alters the conclusions and/or recommendations presented herein, an addendum will be submitted.

5.3.8 Zoning/Land Use Records

Cardno ATC spoke with Mr. “Andy” (last name withheld) of the Alameda County Planning Commission, who stated that the property is currently zoned Castro Valley Central Business District, Subsection 10 (CVCBD-10), which appears to be appropriate for the current use. The property has been zoned CVCBD-10 since at least 1993. Zoning information prior to 1993 was not readily available. The review of historical zoning/land use records did not identify past uses indicating *recognized environmental conditions* at the property or surrounding area. Documentation is included in Appendix G.

5.3.9 Prior Reports

No prior reports were made available for review.

5.3.10 Other Historical Sources

No other historical sources were reviewed.

6.0 SITE RECONNAISSANCE

The following is a summary of visual and/or physical observations of the property on the day of the site visit. Photographs can be found in Appendix C.

6.1 Methodology and Limiting Conditions

Ms. Destiny Hazra, Senior Scientist for Cardno ATC, conducted the site reconnaissance on October 28, 2013 and was escorted by Mr. Mark Shindler, District Office Chief for the Caltrans Right of Way Division, as well as Mr. Joe De la Rosa of the Caltrans Maintenance Division. The site reconnaissance consisted of visual and/or physical observations of: the property and improvements; adjoining sites as viewed from the property; and, the surrounding area based on visual observations made during the trip to and from the property. Unimproved portions of the property (if any) were observed along the perimeter and in a general grid pattern in safely accessible areas, if accessible and possible. Building exteriors (if any) were observed along the perimeter from the ground, unless described otherwise. Building interiors (if any) were observed as they were made safely accessible, unless described otherwise.

6.2 Hazardous Substance Use, Storage, and Disposal

Cardno ATC did not observe the use, storage or disposal of hazardous substances, including hazardous wastes, on the property.

6.3 Underground Storage Tanks (USTs)

Cardno ATC did not observe evidence of USTs on the property.

6.4 Aboveground Storage Tanks (ASTs)

Cardno ATC did not observe evidence of ASTs on the property.

6.5 Other Petroleum Products

Cardno ATC did not observe the use, storage or disposal of other petroleum products in transformers, hydraulic lifts or other containers on the property.

6.6 Polychlorinated Biphenyls (PCBs)

Cardno ATC did not observe evidence of the use, storage or disposal of PCB-containing transformers, hydraulic lifts, or other equipment on the property.

6.7 Unidentified Substance Containers

Cardno ATC did not observe the presence of unidentified substance containers on the property.

6.8 Nonhazardous Solid Waste

Cardno ATC did not observe evidence of the generation, storage or disposal of nonhazardous solid waste on the property.

6.9 Wastewater

Cardno ATC observed evidence of wastewater generated, treated or discharged (including sanitary sewage and stormwater) on the property or to adjoining properties as summarized below.

WASTEWATER SUMMARY TABLE			
Type of Wastewater	**Generation Process**	**Treatment System?**	**Discharged To?**
Domestic Sanitary Sewage	Onsite restroom	No	Sanitary Sewer
Stormwater	Rainfall	No	Storm Sewer

The generation and discharge of wastewater at the property is not considered to represent an environmental concern.

6.10 Waste Pits, Ponds and Lagoons

Cardno ATC did not observe evidence of waste pits, ponds or lagoons on the property.

6.11 Drains and Sumps

Cardno ATC did not observe evidence of drains or sumps on the property.

6.12 Septic Systems

Cardno ATC did not observe evidence of a septic system on the property.

6.13 Stormwater Management System

Stormwater at the property flows over building rooftops, paved parking lots, and roadways and travels towards drains located along the southwestern portion of the property, which discharge into the municipal stormwater system. The property is a mix of paved parking lot with covered areas consisting of building footprints. The parking/driveway areas are paved and in good condition with some areas of oil staining from parked cars. No strong odors or stressed vegetation was observed.

6.14 Wells

Cardno ATC did not observe evidence of wells on the property.

7.0 INTERVIEWS

The following persons were interviewed to obtain information regarding *recognized environmental conditions* in connection with the property:

Not included in this list are those governmental employees that were contacted solely for the purpose of retrieving public information pertaining to the property and who would not be expected to have firsthand knowledge of recognized environmental conditions at the property

INTERVIEW SUMMARY				
Role	**Name**	**Title/Company**	**Years Assoc. With Property**	**Interview Type**
Site Management	Mark Shindler	Caltrans, District Office Chief, Right of Way Division	Unknown	In person
Site Maintenance	Joe De La Rosa	Caltrans, Maintenance Division	2005-2009	In person

Pertinent information from the interviews is discussed in applicable sections of this report with details (including failed attempts to interview) documented on Record of Communication forms in Appendix J.

8.0 OTHER ENVIRONMENTAL CONDITIONS

8.1 Asbestos-Containing Materials (ACM)

Based on the scope of work for this ESA, sampling and analyses for ACM was not conducted. All suspect ACM should be properly assessed prior to disturbance from construction or maintenance activities. Buildings 1, 2, 3, 5 and 6 on the property was reportedly built prior to 1960. Observed building materials and finishes within Building 1 and Building 6 were noted to be in poor condition at the time of the site visit. A current O&M plan for asbestos is not present at the property.

8.2 Radon

Radon is a naturally occurring colorless, odorless gas that is a by-product of the decay of radioactive materials potentially present in bedrock and soil. The EPA guidance action level for annual residential exposure to radon is 4.0 picocuries per liter of air (pCi/L). The guidance action level is not a regulatory requirement for private owners of commercial real estate, but is commonly used for comparison purposes to suggest whether further action at a building may be prudent.

Cardno ATC's review of published radon data indicates that the property is located in an area of moderate propensity with regard to the potential for elevated levels of radon gas. Alameda County is listed as being within Zone 2, where average indoor levels are expected to be between 2.0 and 4.0 pCi/L. Additional federal area radon statistics for zip code 94546, within Alameda County, report results for 28 short-term tests with 27 results below 4.0 pCi/L and one result above 4.0 pCi/L. Given the available statistics, radon is not considered to represent a concern, and no additional investigations are recommended at this time.

8.3 Lead in Drinking Water

Cardno ATC confirmed with the EBMUD that the municipally-supplied water meets or exceeds the applicable drinking water standards, including those for lead. Lead in drinking water testing was not conducted for this Phase I ESA.

8.4 Lead-Based Paint (LBP)

Based on the commercial usage of the property, the consideration of LBP on painted surfaces was not included in the scope of work for this ESA.

8.5 Mold Screening

Cardno ATC conducted a screening survey for readily observable mold and conditions conducive to mold on the property. The screening consisted of limited interview, document review (if available) and physical observation. Cardno ATC interviewed Mr. Joe De La Rosa, Caltrans Maintenance Division, regarding potential mold conditions at the property. Mr. De La Rosa was unaware of any mold or conditions conductive to mold on the property. Cardno ATC observed no mold at the property at the time of the site visit. Cardno ATC requested documentation regarding current or historical mold conditions at the property. No documentation was provided to Cardno ATC for review.

8.6 Additional User Requested Conditions

No additional User requested services were included in the scope of work for this ESA.

9.0 REFERENCES

Alameda County Environmental Health Department, faxed request for records (510-337-9335), October 15, 2013.

Alameda County Fire Department, faxed request for records (510-887-5836), October 15, 2013.

ASTM International, *Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process*, ASTM Designation E 1527-05, November 2005.

Bay Area Air Quality Management District response, dated October 17, 2013.

Department of Toxic Substances Control, faxed request for records (510-540-3801), October 15, 2013.

Department of Toxic Substances Control, written response, dated October 21, 2013.

EBMUD Water District, *Annual Water Quality Report*, dated 2011.

Environmental Data Resources, Inc. (EDR), Aerial Photo Decade Package, Inquiry No.3758076.5, dated October 15, 2013.

EDR, City Directory Abstract, Inquiry No. 3758076.6, October 15, 2013.

EDR, Environmental Lien Search Report, Inquiry No. 3758076.1, dated October 15, 2013.

EDR, Historical Topographic Map Report, Inquiry No. 3758076.4, dated October 15, 2013.

EDR, Property Tax Map Report, Inquiry No. 3758076.8, dated October 15, 2013.

EDR, Radius Map with Geocheck, Inquiry No. 3758076.2s, dated October 15, 2013.

EDR, Sanborn Map Report, Inquiry No. 3758076.3, dated October 15, 2013.

Federal Emergency Management Agency (FEMA), Flood Insurance Rate Map (FIRM), Map Number 06001C279G, dated August 3, 2009.

Envirostor, http://www.envirostor.dtsc.ca.gov /public/, visited October 2013.

GeoTracker, http://www.geotracker.swrcb.ca.gov, visited October 2013.

Regional Water Quality Control Board, San Francisco Region, faxed request for records (510-622-2460), October 15, 2013.

Web Soil Survey, http://websoilsurvey.nrcs.usda.gov/app/WebSoilSurvey.aspx, visited October 2013.

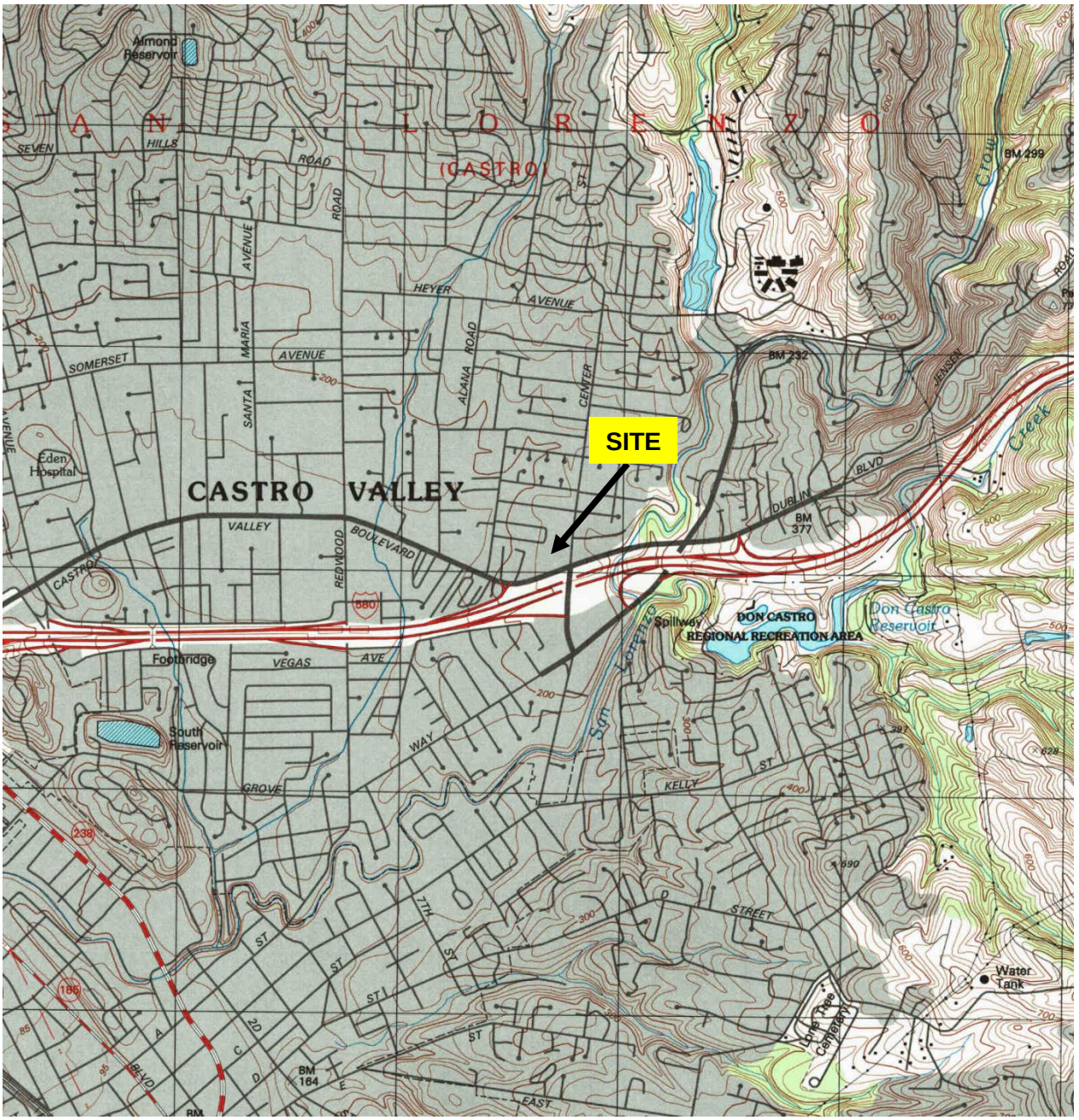
Wetlands Mapper, http://www.nwi.fws.gov/, visited October 2013.

10.0 APPENDICES

Appendix A - Site Vicinity Map
Appendix B - Site Plan
Appendix C - Site Photographs
Appendix D - User Provided Documentation
Appendix E - Regulatory Database Report
Appendix F - Aerial Photographs
Appendix G - Historical Research Documentation
Appendix H - Prior Reports
Appendix I - Resumes
Appendix J - Records of Communication
Appendix K - Laboratory Reports
Appendix L - Other Supporting Documentation
Appendix M - Terminology

APPENDIX A

SITE VICINITY MAP



SOURCE: USGS HAYWARD, CALIFORNIA (7.5 MINUTE SERIES) TOPOGRAPHIC MAP. OBTAINED BY EDR

Scale 1:2400

N

Cardno ATC
Shaping the Future
6602 Owens Drive, Suite 100
Pleasanton, California 94588
(925) 460-5300

PROJECT NO: 075.45251.0001

DESIGNED BY: DSH	SCALE: 1:24,000	REVIEWED BY: GS
DRAWN BY: DSH	DATE: 11/13	FILE: SITE VICINITY

SITE VICINITY MAP

PHASE I ENVIRONMENTAL SITE ASSESSMENT
CALTRANS STORAGE YARD
21195 CENTER STREET
CASTRO VALLEY, CALIFORNIA

APPENDIX B

SITE PLAN

SOURCE: 2013 MAP, PROVIDED BY U.S. FISH AND WILDLIFE SERVICE

Cardno ATC
Shaping the Future

6602 Owens Drive, Suite 100
Pleasanton, California 94588
(925) 460-5300

PROJECT NO: 052.45251.0001

DESIGNED BY: DSH	SCALE: NTS	REVIEWED BY: GS
DRAWN BY: DSH	DATE: 11/13	FILE: SITE PLAN

SITE PLAN

PHASE I ENVIRONMENTAL SITE ASSESSMENT
CALTRANS STORAGE YARD
CASTRO VALLEY, CALIFORNIA

APPENDIX C

SITE PHOTOGRAPHS

Photo 1: View of Building 1, looking east.

Photo 2: View of the interior of Building 1.

Photo 3: View of the interior of Building 1.

Photo 4: View of Building 2, looking south.

Photo 5: View of Building 3, looking east.

Photo 6: View of Building 4, looking west.

Photo 7: View of Building 5, looking west.

Photo 8: View of Building 6, looking east.

Photo 9: View of the interior of Building 6.

Photo 10: View of the garage area of Building 6.

Photo 11: View of the garage area of Building 6.

Photo 12: View of the mobile trailer, looking southwest.

APPENDIX D

USER PROVIDED DOCUMENTATION

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APPENDIX E

REGULATORY DATABASE REPORT

Caltrans Storage Yard
21195 Canter Street
Castro Valley, CA 94546

Inquiry Number: 3758076.2s
October 15, 2013

The EDR Radius Map™ Report with GeoCheck®

EDR® Environmental Data Resources Inc

440 Wheelers Farms Road
Milford, CT 06461
Toll Free: 800.352.0050
www.edrnet.com

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

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EXECUTIVE SUMMARY

A search of available environmental records was conducted by Environmental Data Resources, Inc (EDR). The report was designed to assist parties seeking to meet the search requirements of EPA's Standards and Practices for All Appropriate Inquiries (40 CFR Part 312), the ASTM Standard Practice for Environmental Site Assessments (E 1527-05) or custom requirements developed for the evaluation of environmental risk associated with a parcel of real estate.

TARGET PROPERTY INFORMATION

ADDRESS

21195 CANTER STREET
CASTRO VALLEY, CA 94546

COORDINATES

Latitude (North):	37.6938000 - 37° 41' 37.68''
Longitude (West):	122.0631000 - 122° 3' 47.16''
Universal Tranverse Mercator:	Zone 10
UTM X (Meters):	582601.1
UTM Y (Meters):	4172050.5
Elevation:	228 ft. above sea level

USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property Map:	37122-F1 HAYWARD, CA
Most Recent Revision:	1980

AERIAL PHOTOGRAPHY IN THIS REPORT

Photo Year:	2012
Source:	USDA

TARGET PROPERTY SEARCH RESULTS

The target property was identified in the following records. For more information on this property see page 8 of the attached EDR Radius Map report:

Site	Database(s)	EPA ID
CALTRANS D4 MAINTENANCE 21195 CENTER ST CASTRO VALLEY, CA 94546	HAZNET	N/A
HAYWARD 21195 CENTER ST CASTROL VALLEY, CA 94546	HIST UST	N/A
CALTRANS 21195 CENTER STREET CASTRO VALLEY, CA	RCRA-SQG FINDS	CAD982028482

EXECUTIVE SUMMARY

HAYWARD 21195 CENTER ST CASTRO VALLEY, CA 94546	HIST CORTESE LUST Status: Completed - Case Closed CA FID UST Alameda County CS SWEEPS UST	N/A

DATABASES WITH NO MAPPED SITES

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

STANDARD ENVIRONMENTAL RECORDS

Federal NPL site list

NPL ---------- National Priority List
Proposed NPL ---------- Proposed National Priority List Sites
NPL LIENS ---------- Federal Superfund Liens

Federal Delisted NPL site list

Delisted NPL ---------- National Priority List Deletions

Federal CERCLIS list

CERCLIS ---------- Comprehensive Environmental Response, Compensation, and Liability Information System
FEDERAL FACILITY ---------- Federal Facility Site Information listing

Federal CERCLIS NFRAP site List

CERC-NFRAP ---------- CERCLIS No Further Remedial Action Planned

Federal RCRA CORRACTS facilities list

CORRACTS ---------- Corrective Action Report

Federal RCRA non-CORRACTS TSD facilities list

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

Federal RCRA generators list

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

Federal institutional controls / engineering controls registries

US ENG CONTROLS ---------- Engineering Controls Sites List

US INST CONTROL ..... Sites with Institutional Controls
LUCIS ..... Land Use Control Information System

Federal ERNS list

ERNS ..... Emergency Response Notification System

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

SWF/LF ..... Solid Waste Information System

State and tribal leaking storage tank lists

SLIC ..... Statewide SLIC Cases
INDIAN LUST ..... Leaking Underground Storage Tanks on Indian Land

State and tribal registered storage tank lists

AST ..... Aboveground Petroleum Storage Tank Facilities
INDIAN UST ..... Underground Storage Tanks on Indian Land
FEMA UST ..... Underground Storage Tank Listing

State and tribal voluntary cleanup sites

VCP ..... Voluntary Cleanup Program Properties
INDIAN VCP ..... Voluntary Cleanup Priority Listing

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

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

Local Lists of Landfill / Solid Waste Disposal Sites

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

Local Lists of Hazardous waste / Contaminated Sites

US CDL ..... Clandestine Drug Labs
HIST Cal-Sites ..... Historical Calsites Database
SCH ..... School Property Evaluation Program
Toxic Pits ..... Toxic Pits Cleanup Act Sites
CDL ..... Clandestine Drug Labs
US HIST CDL ..... National Clandestine Laboratory Register

Local Land Records

LIENS 2 ..... CERCLA Lien Information

LIENS	Environmental Liens Listing
DEED	Deed Restriction Listing

Records of Emergency Release Reports

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

Other Ascertainable Records

DOT OPS	Incident and Accident Data
DOD	Department of Defense Sites
FUDS	Formerly Used Defense Sites
CONSENT	Superfund (CERCLA) Consent Decrees
ROD	Records Of Decision
UMTRA	Uranium Mill Tailings Sites
US MINES	Mines Master Index File
TRIS	Toxic Chemical Release Inventory System
TSCA	Toxic Substances Control Act
FTTS	FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
HIST FTTS	FIFRA/TSCA Tracking System Administrative Case Listing
SSTS	Section 7 Tracking Systems
ICIS	Integrated Compliance Information System
PADS	PCB Activity Database System
MLTS	Material Licensing Tracking System
RADINFO	Radiation Information Database
RAATS	RCRA Administrative Action Tracking System
RMP	Risk Management Plans
CA BOND EXP. PLAN	Bond Expenditure Plan
UIC	UIC Listing
NPDES	NPDES Permits Listing
Cortese	"Cortese" Hazardous Waste & Substances Sites List
CUPA Listings	CUPA Resources List
WIP	Well Investigation Program Case List
ENF	Enforcement Action Listing
EMI	Emissions Inventory Data
INDIAN RESERV	Indian Reservations
SCRD DRYCLEANERS	State Coalition for Remediation of Drycleaners Listing
COAL ASH DOE	Steam-Electric Plant Operation Data
COAL ASH EPA	Coal Combustion Residues Surface Impoundments List
HWT	Registered Hazardous Waste Transporter Database
HWP	EnviroStor Permitted Facilities Listing
Financial Assurance	Financial Assurance Information Listing
LEAD SMELTERS	Lead Smelter Sites
2020 COR ACTION	2020 Corrective Action Program List
US AIRS	Aerometric Information Retrieval System Facility Subsystem
PRP	Potentially Responsible Parties
WDS	Waste Discharge System
EPA WATCH LIST	EPA WATCH LIST
US FIN ASSUR	Financial Assurance Information
PCB TRANSFORMER	PCB Transformer Registration Database

EXECUTIVE SUMMARY

PROC Certified Processors Database
MWMP Medical Waste Management Program Listing

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP EDR Proprietary Manufactured Gas Plants

SURROUNDING SITES: SEARCH RESULTS

Surrounding sites were identified in the following databases.

Elevations have been determined from the USGS Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified. Sites with an elevation equal to or higher than the target property have been differentiated below from sites with an elevation lower than the target property.
Page numbers and map identification numbers refer to the EDR Radius Map report where detailed data on individual sites can be reviewed.

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

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

STANDARD ENVIRONMENTAL RECORDS

Federal RCRA generators list

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

A review of the RCRA-SQG list, as provided by EDR, and dated 07/11/2013 has revealed that there are 4 RCRA-SQG sites within approximately 0.25 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
DRYCLEANER THE	***3300 E CASTRO VALLEY BL***	***E 0 - 1/8 (0.069 mi.)***	***B5***	***15***
LATEEFS SPEEDEE OIL CHANGE AND	***3940 CASTRO VALLEY BLVD***	***WSW 1/8 - 1/4 (0.143 mi.)***	***C8***	***20***
FOTOMAT CORP EB810	***3949 CASTRO VALLEY BLVD***	***WSW 1/8 - 1/4 (0.162 mi.)***	***C12***	***28***
CHEVRON STATION NO 93283	***3005 GROVE WAY***	***SSE 1/8 - 1/4 (0.243 mi.)***	***E24***	***48***

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

A review of the RCRA-CESQG list, as provided by EDR, and dated 07/11/2013 has revealed that there is

1 RCRA-CESQG site within approximately 0.25 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
RITE AID 5922	3848 CASTRO VLY BLVD	W 1/8 - 1/4 (0.192 mi.)	D13	29

State- and tribal - equivalent NPL

RESPONSE: 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.

A review of the RESPONSE list, as provided by EDR, and dated 09/05/2013 has revealed that there is 1 RESPONSE site within approximately 1 mile of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
MARSHALL STEEL CLEANERS	***20457 REDWOOD ROAD***	***WNW 1/2 - 1 (0.602 mi.)***	***31***	***64***

State- and tribal - equivalent CERCLIS

ENVIROSTOR: The Department of Toxic Substances Control's (DTSC's) Site Mitigation and Brownfields Reuse Program's (SMBRP's) EnviroStor database 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.

A review of the ENVIROSTOR list, as provided by EDR, and dated 09/05/2013 has revealed that there is 1 ENVIROSTOR site within approximately 1 mile of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
MARSHALL STEEL CLEANERS Status: Active	***20457 REDWOOD ROAD***	***WNW 1/2 - 1 (0.602 mi.)***	***31***	***64***

State and tribal leaking storage tank lists

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

A review of the LUST list, as provided by EDR, and dated 07/26/2013 has revealed that there are 10 LUST sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
ANTHONYS AUTO SERVICE Status: Open - Eligible for Closure	***19592 CENTER ST***	***NNE 1/4 - 1/2 (0.491 mi.)***	***30***	***59***

Lower Elevation	Address	Direction / Distance	Map ID	Page
SPEEDEE OIL CHANGE	3940 CASTRO VALLEY BLVD	WSW 1/8 - 1/4 (0.143 mi.)	C9	21
TEXACO	***3940 CASTRO VALLEY BLVD***	***WSW 1/8 - 1/4 (0.143 mi.)***	***C10***	***21***
Status: Completed - Case Closed				
UNOCAL SS #3770	***3020 GROVE ST***	***SSE 1/8 - 1/4 (0.215 mi.)***	***E15***	***32***
Status: Completed - Case Closed				
VIP SERVICE STATION	***3889 CASTRO VALLEY BLVD***	***W 1/8 - 1/4 (0.216 mi.)***	***D18***	***37***
Status: Open - Remediation				
CHEVRON #9-3283	***3005 GROVE WAY***	***SSE 1/8 - 1/4 (0.243 mi.)***	***E25***	***51***
Status: Completed - Case Closed				
UPPER GROVE WAY AUTO REPAIR	***2932 GROVE WAY***	***S 1/4 - 1/2 (0.270 mi.)***	***F26***	***52***
Status: Completed - Case Closed				
UPPER GROVE WAY AUTO REPAIR	2932 GROVE WY	S 1/4 - 1/2 (0.270 mi.)	F27	54
ARCO #2152	***22141 CENTER ST***	***S 1/4 - 1/2 (0.305 mi.)***	***28***	***55***
Status: Completed - Case Closed				
RUDY'S DONUT SHOP	***3692 CASTRO VALLEY BLVD***	***W 1/4 - 1/2 (0.415 mi.)***	***29***	***57***
Status: Completed - Case Closed				

Alameda County CS: 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).

A review of the Alameda County CS list, as provided by EDR, and dated 07/25/2013 has revealed that there are 7 Alameda County CS sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
ANTHONYS AUTO SERVICE	***19592 CENTER ST***	***NNE 1/4 - 1/2 (0.491 mi.)***	***30***	***59***

Lower Elevation	Address	Direction / Distance	Map ID	Page
TEXACO	***3940 CASTRO VALLEY BLVD***	***WSW 1/8 - 1/4 (0.143 mi.)***	***C10***	***21***
UNOCAL SS #3770	***3020 GROVE ST***	***SSE 1/8 - 1/4 (0.215 mi.)***	***E15***	***32***
VIP SERVICE STATION	***3889 CASTRO VALLEY BLVD***	***W 1/8 - 1/4 (0.216 mi.)***	***D18***	***37***
CHEVRON #9-3283	***3005 GROVE WAY***	***SSE 1/8 - 1/4 (0.243 mi.)***	***E25***	***51***
ARCO #2152	***22141 CENTER ST***	***S 1/4 - 1/2 (0.305 mi.)***	***28***	***55***
RUDY'S DONUT SHOP	***3692 CASTRO VALLEY BLVD***	***W 1/4 - 1/2 (0.415 mi.)***	***29***	***57***

State and tribal registered storage tank lists

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

A review of the UST list, as provided by EDR, and dated 07/26/2013 has revealed that there are 2 UST sites within approximately 0.25 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
UNOCAL	3020 GROVE WAY	SSE 1/8 - 1/4 (0.215 mi.)	E16	35
CHEVRON STATION NO 93283	***3005 GROVE WAY***	***SSE 1/8 - 1/4 (0.243 mi.)***	***E24***	***48***

ADDITIONAL ENVIRONMENTAL RECORDS

Local Lists of Registered Storage Tanks

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

A review of the CA FID UST list, as provided by EDR, and dated 10/31/1994 has revealed that there are 4 CA FID UST sites within approximately 0.25 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
TEXACO	***3940 CASTRO VALLEY BLVD***	***WSW 1/8 - 1/4 (0.143 mi.)***	***C10***	***21***
UNOCAL SS #3770	***3020 GROVE ST***	***SSE 1/8 - 1/4 (0.215 mi.)***	***E15***	***32***
VIP SERVICE STATION	***3889 CASTRO VALLEY BLVD***	***W 1/8 - 1/4 (0.216 mi.)***	***D18***	***37***
CHEVRON #3283	***3005 GROVE WAY***	***SSE 1/8 - 1/4 (0.243 mi.)***	***E21***	***44***

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 4 HIST UST sites within approximately 0.25 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
TEXACO	3940 CASTRO VALLEY BLVD	WSW 1/8 - 1/4 (0.143 mi.)	C11	26
UNOCAL SS #3770	***3020 GROVE ST***	***SSE 1/8 - 1/4 (0.215 mi.)***	***E15***	***32***
CASTRO VALLEY OLYMPIC	3889 CASTRO VALLEY BLVD	W 1/8 - 1/4 (0.216 mi.)	D17	36
93283	3005 GROVE WAY	SSE 1/8 - 1/4 (0.243 mi.)	E22	46

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 4 SWEEPS UST sites within approximately 0.25 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
TEXACO	***3940 CASTRO VALLEY BLVD***	***WSW 1/8 - 1/4 (0.143 mi.)***	***C10***	***21***
UNOCAL SS #3770	***3020 GROVE ST***	***SSE 1/8 - 1/4 (0.215 mi.)***	***E15***	***32***
VIP SERVICE STATION	***3889 CASTRO VALLEY BLVD***	***W 1/8 - 1/4 (0.216 mi.)***	***D18***	***37***
CHEVRON #3283	***3005 GROVE WAY***	***SSE 1/8 - 1/4 (0.243 mi.)***	***E21***	***44***

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 07/11/2013 has revealed that

there is 1 RCRA NonGen / NLR site within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
DON GUFFEY TRUCKING	***4166 DAVID ST***	***N 0 - 1/8 (0.123 mi.)***	***7***	***18***

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 8 HIST CORTESE sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
DENNY, LELAND & SHIRL DEF	4280 VERONICA	NE 1/8 - 1/4 (0.192 mi.)	14	32
ANTHONYS AUTO SERVICE	***19592 CENTER ST***	***NNE 1/4 - 1/2 (0.491 mi.)***	***30***	***59***

Lower Elevation	Address	Direction / Distance	Map ID	Page
TEXACO	***3940 CASTRO VALLEY BLVD***	***WSW 1/8 - 1/4 (0.143 mi.)***	***C10***	***21***
UNOCAL SS #3770	***3020 GROVE ST***	***SSE 1/8 - 1/4 (0.215 mi.)***	***E15***	***32***
VIP SERVICE STATION	***3889 CASTRO VALLEY BLVD***	***W 1/8 - 1/4 (0.216 mi.)***	***D18***	***37***
UPPER GROVE WAY AUTO REPAIR	***2932 GROVE WAY***	***S 1/4 - 1/2 (0.270 mi.)***	***F26***	***52***
ARCO #2152	***22141 CENTER ST***	***S 1/4 - 1/2 (0.305 mi.)***	***28***	***55***
RUDY'S DONUT SHOP	***3692 CASTRO VALLEY BLVD***	***W 1/4 - 1/2 (0.415 mi.)***	***29***	***57***

Notify 65: 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.

A review of the Notify 65 list, as provided by EDR, and dated 10/21/1993 has revealed that there is 1 Notify 65 site within approximately 1 mile of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
CASTRO VALLEY CAR WASH	3098 CASTRO VALLEY BOUL	W 1/2 - 1 (0.946 mi.)	32	83

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

A review of the DRYCLEANERS list, as provided by EDR, and dated 12/11/2012 has revealed that there is 1 DRYCLEANERS site within approximately 0.25 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
DRYCLEANER THE	***3300 E CASTRO VALLEY BL***	***E 0 - 1/8 (0.069 mi.)***	***B5***	***15***

EXECUTIVE SUMMARY

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

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

A review of the EDR US Hist Auto Stat list, as provided by EDR, has revealed that there is 1 EDR US Hist Auto Stat site within approximately 0.25 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
Not reported	3005 GROVE WAY	SSE 1/8 - 1/4 (0.243 mi.)	E23	47

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

A review of the EDR US Hist Cleaners list, as provided by EDR, has revealed that there are 3 EDR US Hist Cleaners sites within approximately 0.25 miles of the target property.

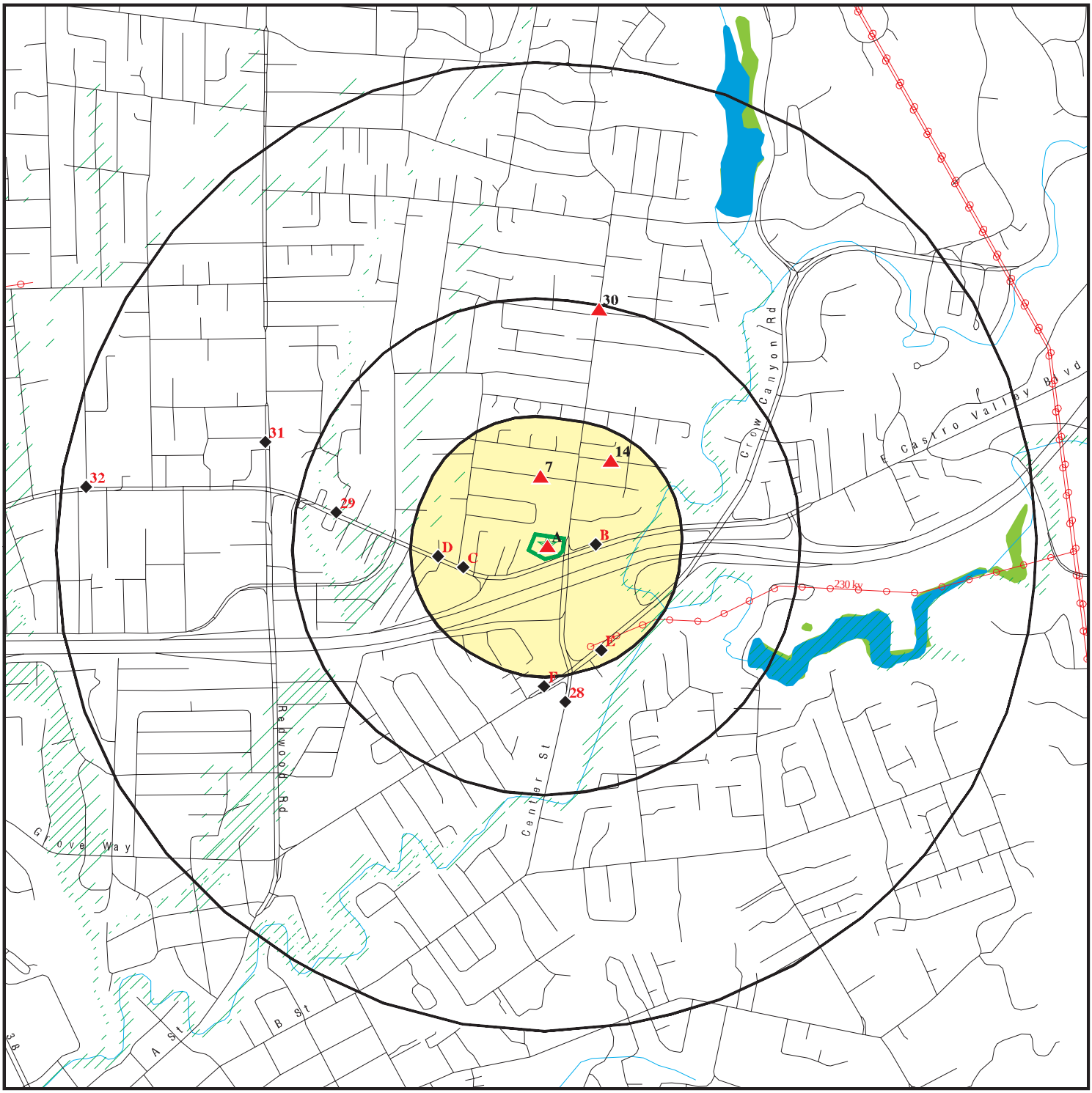
Lower Elevation	Address	Direction / Distance	Map ID	Page
Not reported	3300 E CASTRO VALLEY BL	E 0 - 1/8 (0.069 mi.)	B6	17
LIST A L	3049 GROVE ST	SSE 1/8 - 1/4 (0.220 mi.)	E19	44
PAYLESS CLEANERS	3047 GROVE ST	SSE 1/8 - 1/4 (0.220 mi.)	E20	44

EXECUTIVE SUMMARY

Due to poor or inadequate address information, the following sites were not mapped. Count: 12 records.

Site Name	Database(s)
CALTRANS	HIST CORTESE
ARDEN ROAD PROPERTY	CERC-NFRAP
BAY CITIES RUBBISH DSPL CO	CERC-NFRAP
OZOEL YARD	HIST UST
CALTRANS DIST 4/CONSTR/EA04-1S0624	HAZNET
CALTRANS D-4/CONSTR/EA04-0E7804	HAZNET
CALTRANS D-4/CONSTR/EA04-0E7804	HAZNET
CALTRANS DIST 4/CONSTR/EA04-284314	HAZNET
CALTRANS DIST 4	RCRA-SQG, FINDS, HAZNET
CALTRANS D-4/EA04-155312	HAZNET
CALTRANS DISTRICT 4	HAZNET
CALTRANS DISTRICT 4/CONSTRUCTION	HAZNET

OVERVIEW MAP - 3758076.2s



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
- Oil & Gas pipelines from USGS
- 100-year flood zone
- 500-year flood zone
- National Wetland Inventory
- 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: Caltrans Storage Yard ADDRESS: 21195 Canter Street Castro Valley CA 94546 LAT/LONG: 37.6938 / 122.0631	CLIENT: Cardno ATC #75 CONTACT: Destiny Hazra INQUIRY #: 3758076.2s DATE: October 15, 2013 4:02 pm

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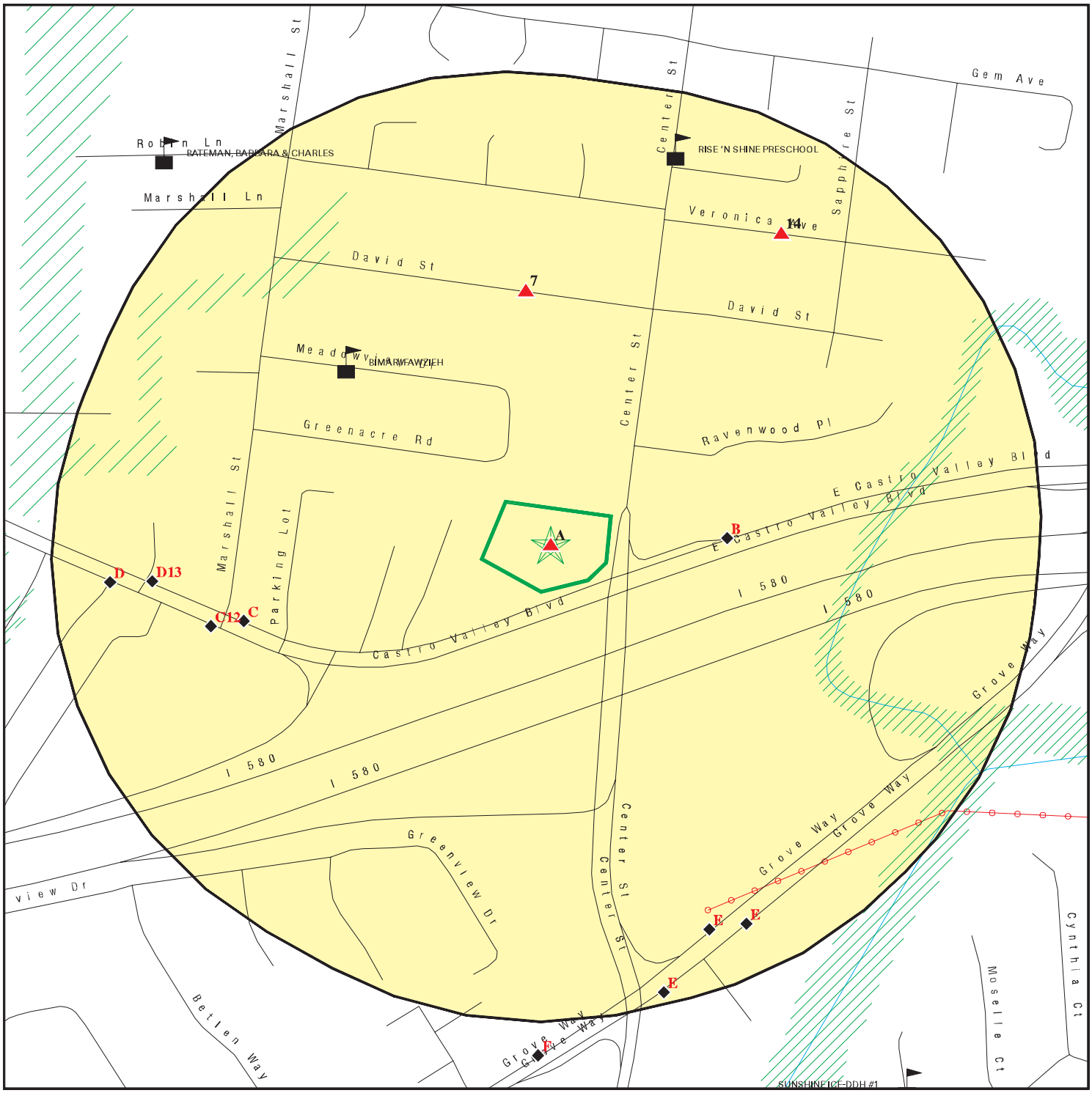
DETAIL MAP - 3758076.2s



- Target Property
- Sites at elevations higher than or equal to the target property
- Sites at elevations lower than the target property
- Manufactured Gas Plants
- Sensitive Receptors
- National Priority List Sites
- Dept. Defense Sites
- Indian Reservations BIA
- Power transmission lines
- Oil & Gas pipelines from USGS
- 100-year flood zone
- 500-year flood zone
- Areas of Concern

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

SITE NAME: Caltrans Storage Yard	CLIENT: Cardno ATC #75
ADDRESS: 21195 Canter Street Castro Valley CA 94546	CONTACT: Destiny Hazra
LAT/LONG: 37.6938 / 122.0631	INQUIRY #: 3758076.2s DATE: October 15, 2013 4:03 pm

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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								
Federal NPL site list								
NPL	1.000		0	0	0	0	NR	0
Proposed NPL	1.000		0	0	0	0	NR	0
NPL LIENS	TP		NR	NR	NR	NR	NR	0
Federal Delisted NPL site list								
Delisted NPL	1.000		0	0	0	0	NR	0
Federal CERCLIS list								
CERCLIS	0.500		0	0	0	NR	NR	0
FEDERAL FACILITY	0.500		0	0	0	NR	NR	0
Federal CERCLIS NFRAP site List								
CERC-NFRAP	0.500		0	0	0	NR	NR	0
Federal RCRA CORRACTS facilities list								
CORRACTS	1.000		0	0	0	0	NR	0
Federal RCRA non-CORRACTS TSD facilities list								
RCRA-TSDF	0.500		0	0	0	NR	NR	0
Federal RCRA generators list								
RCRA-LQG	0.250		0	0	NR	NR	NR	0
RCRA-SQG	0.250	1	1	3	NR	NR	NR	5
RCRA-CESQG	0.250		0	1	NR	NR	NR	1
Federal institutional controls / engineering controls registries								
US ENG CONTROLS	0.500		0	0	0	NR	NR	0
US INST CONTROL	0.500		0	0	0	NR	NR	0
LUCIS	0.500		0	0	0	NR	NR	0
Federal ERNS list								
ERNS	TP		NR	NR	NR	NR	NR	0
State- and tribal - equivalent NPL								
RESPONSE	1.000		0	0	0	1	NR	1
State- and tribal - equivalent CERCLIS								
ENVIROSTOR	1.000		0	0	0	1	NR	1
State and tribal landfill and/or solid waste disposal site lists								
SWF/LF	0.500		0	0	0	NR	NR	0
State and tribal leaking storage tank lists								
LUST	0.500	1	0	5	5	NR	NR	11

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
SLIC	0.500		0	0	0	NR	NR	0
Alameda County CS	0.500	1	0	4	3	NR	NR	8
INDIAN LUST	0.500		0	0	0	NR	NR	0
State and tribal registered storage tank lists								
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
FEMA UST	0.250		0	0	NR	NR	NR	0
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
ADDITIONAL ENVIRONMENTAL RECORDS								
Local Brownfield lists								
US BROWNFIELDS	0.500		0	0	0	NR	NR	0
Local Lists of Landfill / Solid Waste Disposal Sites								
ODI	0.500		0	0	0	NR	NR	0
DEBRIS REGION 9	0.500		0	0	0	NR	NR	0
WMUDS/SWAT	0.500		0	0	0	NR	NR	0
SWRCY	0.500		0	0	0	NR	NR	0
HAULERS	TP		NR	NR	NR	NR	NR	0
INDIAN ODI	0.500		0	0	0	NR	NR	0
Local Lists of Hazardous waste / Contaminated Sites								
US CDL	TP		NR	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
Toxic Pits	1.000		0	0	0	0	NR	0
CDL	TP		NR	NR	NR	NR	NR	0
US HIST CDL	TP		NR	NR	NR	NR	NR	0
Local Lists of Registered Storage Tanks								
CA FID UST	0.250	1	0	4	NR	NR	NR	5
HIST UST	0.250	1	0	4	NR	NR	NR	5
SWEEPS UST	0.250	1	0	4	NR	NR	NR	5
Local Land Records								
LIENS 2	TP		NR	NR	NR	NR	NR	0
LIENS	TP		NR	NR	NR	NR	NR	0
DEED	0.500		0	0	0	NR	NR	0
Records of Emergency Release Reports								
HMIRS	TP		NR	NR	NR	NR	NR	0
CHMIRS	TP		NR	NR	NR	NR	NR	0

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
LDS	TP		NR	NR	NR	NR	NR	0
MCS	TP		NR	NR	NR	NR	NR	0
SPILLS 90	TP		NR	NR	NR	NR	NR	0
Other Ascertainable Records								
RCRA NonGen / NLR	0.250		1	0	NR	NR	NR	1
DOT OPS	TP		NR	NR	NR	NR	NR	0
DOD	1.000		0	0	0	0	NR	0
FUDS	1.000		0	0	0	0	NR	0
CONSENT	1.000		0	0	0	0	NR	0
ROD	1.000		0	0	0	0	NR	0
UMTRA	0.500		0	0	0	NR	NR	0
US MINES	0.250		0	0	NR	NR	NR	0
TRIS	TP		NR	NR	NR	NR	NR	0
TSCA	TP		NR	NR	NR	NR	NR	0
FTTS	TP		NR	NR	NR	NR	NR	0
HIST FTTS	TP		NR	NR	NR	NR	NR	0
SSTS	TP		NR	NR	NR	NR	NR	0
ICIS	TP		NR	NR	NR	NR	NR	0
PADS	TP		NR	NR	NR	NR	NR	0
MLTS	TP		NR	NR	NR	NR	NR	0
RADINFO	TP		NR	NR	NR	NR	NR	0
FINDS	TP	1	NR	NR	NR	NR	NR	1
RAATS	TP		NR	NR	NR	NR	NR	0
RMP	TP		NR	NR	NR	NR	NR	0
CA BOND EXP. PLAN	1.000		0	0	0	0	NR	0
UIC	TP		NR	NR	NR	NR	NR	0
NPDES	TP		NR	NR	NR	NR	NR	0
Cortese	0.500		0	0	0	NR	NR	0
HIST CORTESE	0.500	1	0	4	4	NR	NR	9
CUPA Listings	0.250		0	0	NR	NR	NR	0
Notify 65	1.000		0	0	0	1	NR	1
DRYCLEANERS	0.250		1	0	NR	NR	NR	1
WIP	0.250		0	0	NR	NR	NR	0
ENF	TP		NR	NR	NR	NR	NR	0
HAZNET	TP	1	NR	NR	NR	NR	NR	1
EMI	TP		NR	NR	NR	NR	NR	0
INDIAN RESERV	1.000		0	0	0	0	NR	0
SCRD DRYCLEANERS	0.500		0	0	0	NR	NR	0
COAL ASH DOE	TP		NR	NR	NR	NR	NR	0
COAL ASH EPA	0.500		0	0	0	NR	NR	0
HWT	0.250		0	0	NR	NR	NR	0
HWP	1.000		0	0	0	0	NR	0
Financial Assurance	TP		NR	NR	NR	NR	NR	0
LEAD SMELTERS	TP		NR	NR	NR	NR	NR	0
2020 COR ACTION	0.250		0	0	NR	NR	NR	0
US AIRS	TP		NR	NR	NR	NR	NR	0
PRP	TP		NR	NR	NR	NR	NR	0
WDS	TP		NR	NR	NR	NR	NR	0
EPA WATCH LIST	TP		NR	NR	NR	NR	NR	0
US FIN ASSUR	TP		NR	NR	NR	NR	NR	0

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
PCB TRANSFORMER	TP		NR	NR	NR	NR	NR	0
PROC	0.500		0	0	0	NR	NR	0
MWMP	0.250		0	0	NR	NR	NR	0
EDR HIGH RISK HISTORICAL RECORDS								
EDR Exclusive Records								
EDR MGP	1.000		0	0	0	0	NR	0
EDR US Hist Auto Stat	0.250		0	1	NR	NR	NR	1
EDR US Hist Cleaners	0.250		1	2	NR	NR	NR	3

NOTES:

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

A1
Target
Property

CALTRANS D4 MAINTENANCE
21195 CENTER ST
CASTRO VALLEY, CA 94546

HAZNET **S113012885**
N/A

Site 1 of 4 in cluster A

Actual:
228 ft.

HAZNET:

Year:	2010
Gepaid:	CAD982028482
Contact:	LAURA HORAN
Telephone:	5102864492
Mailing Name:	Not reported
Mailing Address:	PO BOX 23660
Mailing City,St,Zip:	OAKLAND, CA 946230660
Gen County:	Not reported
TSD EPA ID:	CAD059494310
TSD County:	Not reported
Waste Category:	Off-specification, aged or surplus organics
Disposal Method:	Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.0198
Facility County:	Alameda

Year:	2010
Gepaid:	CAD982028482
Contact:	LAURA HORAN
Telephone:	5102864492
Mailing Name:	Not reported
Mailing Address:	PO BOX 23660
Mailing City,St,Zip:	OAKLAND, CA 946230660
Gen County:	Not reported
TSD EPA ID:	CAD059494310
TSD County:	Not reported
Waste Category:	Other organic solids
Disposal Method:	Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.01
Facility County:	Alameda

Year:	2010
Gepaid:	CAD982028482
Contact:	LAURA HORAN
Telephone:	5102864492
Mailing Name:	Not reported
Mailing Address:	PO BOX 23660
Mailing City,St,Zip:	OAKLAND, CA 946230660
Gen County:	Not reported
TSD EPA ID:	CAD059494310
TSD County:	Not reported
Waste Category:	Other organic solids
Disposal Method:	Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.01
Facility County:	Alameda

Year:	2010
Gepaid:	CAD982028482
Contact:	LAURA HORAN
Telephone:	5102864492

CALTRANS D4 MAINTENANCE (Continued) **S113012885**

Mailing Name:	Not reported
Mailing Address:	PO BOX 23660
Mailing City,St,Zip:	OAKLAND, CA 946230660
Gen County:	Not reported
TSD EPA ID:	CAD059494310
TSD County:	Not reported
Waste Category:	Waste oil and mixed oil
Disposal Method:	Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.171
Facility County:	Alameda
Year:	2010
Gepaid:	CAD982028482
Contact:	LAURA HORAN
Telephone:	5102864492
Mailing Name:	Not reported
Mailing Address:	PO BOX 23660
Mailing City,St,Zip:	OAKLAND, CA 946230660
Gen County:	Not reported
TSD EPA ID:	CAD059494310
TSD County:	Not reported
Waste Category:	Waste oil and mixed oil
Disposal Method:	Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.171
Facility County:	Alameda

Click this hyperlink while viewing on your computer to access
103 additional CA_HAZNET: record(s) in the EDR Site Report.

A2 **HAYWARD** **HIST UST** **U001597204**
Target **21195 CENTER ST** **N/A**
Property **CASTROL VALLEY, CA 94546**

Site 2 of 4 in cluster A

Actual:
228 ft.

HIST UST:

Region:	STATE
Facility ID:	00000067993
Facility Type:	Not reported
Other Type:	Not reported
Total Tanks:	0002
Contact Name:	Not reported
Telephone:	4155825105
Owner Name:	CALIF DEPT OF TRANSPORTATION
Owner Address:	1120 N STREET
Owner City,St,Zip:	SACRAMENTO, CA 95814
Tank Num:	001
Container Num:	0000000001
Year Installed:	1927
Tank Capacity:	00000260
Tank Used for:	PRODUCT
Type of Fuel:	DIESEL
Tank Construction:	Not reported
Leak Detection:	Not reported

HAYWARD (Continued) **U001597204**

Tank Num: 002
Container Num: 0000000002
Year Installed: 1962
Tank Capacity: 00002500
Tank Used for: PRODUCT
Type of Fuel: REGULAR
Tank Construction: Not reported
Leak Detection: Not reported

A3 Target Property **CALTRANS** **RCRA-SQG 1000419492**
21195 CENTER STREET **FINDS CAD982028482**
CASTRO VALLEY, CA

Site 3 of 4 in cluster A

Actual: 228 ft.

RCRA-SQG:
Date form received by agency: 04/30/2002
Facility name: CALTRANS
Facility address: 21195 CENTER STREET
CASTRO VALLEY, CA 94546
EPA ID: CAD982028482
Mailing address: P.O. BOX 23660
OAKLAND, CA 946230660
Contact: NEIL LUNDGREN
Contact address: Not reported
Not reported
Contact country: Not reported
Contact telephone: (510) 286-4492
Contact email: CELL: (510) 385-8398
EPA Region: 09
Classification: Small Small Quantity Generator
Description: Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:
Owner/operator name: STATE OF CALIFORNIA
Owner/operator address: Not reported
Not reported
Owner/operator country: US
Owner/operator telephone: Not reported
Legal status: State
Owner/Operator Type: Owner
Owner/Op start date: 05/31/2002
Owner/Op end date: Not reported

Owner/operator name: STATE OF CALIFORNIA
Owner/operator address: Not reported
Not reported
Owner/operator country: US
Owner/operator telephone: Not reported
Legal status: State
Owner/Operator Type: Operator
Owner/Op start date: 05/31/2002
Owner/Op end date: Not reported

CALTRANS (Continued) **1000419492**

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

Historical Generators:
Date form received by agency: 04/30/2002
Facility name: CALTRANS
Classification: Large Quantity Generator

Date form received by agency: 09/01/1996
Facility name: CALTRANS
Site name: CALTRANS DISTRICT 4
Classification: Small Quantity Generator

Violation Status: No violations found

FINDS:

Registry ID: 110002781749

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.

HAZARDOUS WASTE BIENNIAL REPORTER

A4 **HAYWARD** **HIST CORTESE** **S101623746**
Target **21195 CENTER ST** **LUST** **N/A**
Property **CASTRO VALLEY, CA 94546** **CA FID UST**
Alameda County CS
Site 4 of 4 in cluster A **SWEEPS UST**

Actual:
228 ft.

CORTESE:
Region: CORTESE
Facility County Code: 1
Reg By: LTNKA
Reg Id: 01-0746

HAYWARD (Continued) **S101623746**

LUST:

Region:	STATE
Global Id:	T0600100688
Latitude:	37.693874
Longitude:	-122.063092
Case Type:	LUST Cleanup Site
Status:	Completed - Case Closed
Status Date:	06/25/1997
Lead Agency:	ALAMEDA COUNTY LOP
Case Worker:	AL
Local Agency:	ALAMEDA COUNTY LOP
RB Case Number:	01-0746
LOC Case Number:	RO0000578
File Location:	Stored electronically as an E-file
Potential Media Affect:	Other Groundwater (uses other than drinking water)
Potential Contaminants of Concern:	Diesel, Gasoline
Site History:	Not reported

Click here to access the California GeoTracker records for this facility:

Contact:

Global Id:	T0600100688
Contact Type:	Local Agency Caseworker
Contact Name:	AMY LEECH
Organization Name:	ALAMEDA COUNTY LOP
Address:	1131 HARBOR BAY PARKWAY
City:	ALAMEDA
Email:	Not reported
Phone Number:	Not reported

Global Id:	T0600100688
Contact Type:	Regional Board Caseworker
Contact Name:	Cherie McCaulou
Organization Name:	SAN FRANCISCO BAY RWQCB (REGION 2)
Address:	1515 CLAY STREET, SUITE 1400
City:	OAKLAND
Email:	cmccaulou@waterboards.ca.gov
Phone Number:	Not reported

Status History:

Global Id:	T0600100688
Status:	Completed - Case Closed
Status Date:	06/25/1997

Global Id:	T0600100688
Status:	Open - Case Begin Date
Status Date:	01/18/1989

Global Id:	T0600100688
Status:	Open - Remediation
Status Date:	05/30/1992

Global Id:	T0600100688
Status:	Open - Remediation
Status Date:	09/08/1992

Global Id:	T0600100688

HAYWARD (Continued) **S101623746**

Status: Open - Site Assessment
Status Date: 01/18/1989

Global Id: T0600100688
Status: Open - Site Assessment
Status Date: 11/15/1989

Global Id: T0600100688
Status: Open - Site Assessment
Status Date: 12/28/1989

Global Id: T0600100688
Status: Open - Site Assessment
Status Date: 03/14/1990

Global Id: T0600100688
Status: Open - Verification Monitoring
Status Date: 10/28/1994

Regulatory Activities:
Global Id: T0600100688
Action Type: Other
Date: 01/01/1950
Action: Leak Reported

Global Id: T0600100688
Action Type: Other
Date: 01/01/1950
Action: Leak Stopped

Global Id: T0600100688
Action Type: Other
Date: 01/01/1950
Action: Leak Discovery

Global Id: T0600100688
Action Type: REMEDIATION
Date: 01/01/1950
Action: Excavation

LUST REG 2:
Region: 2
Facility Id: 01-0746
Facility Status: Case Closed
Case Number: 3062
How Discovered: Tank Closure
Leak Cause: Structure Failure
Leak Source: Tank
Date Leak Confirmed: Not reported
Oversight Program: LUST
Prelim. Site Assesment Wokplan Submitted: Not reported
Preliminary Site Assesment Began: Not reported
Pollution Characterization Began: 2/6/1991
Pollution Remediation Plan Submitted: Not reported
Date Remediation Action Underway: Not reported

HAYWARD (Continued) **S101623746**

Date Post Remedial Action Monitoring Began: Not reported

CA FID UST:
Facility ID: 01000873
Regulated By: UTNKI
Regulated ID: 00067993
Cortese Code: Not reported
SIC Code: Not reported
Facility Phone: 4155825105
Mail To: Not reported
Mailing Address: 21195 CENTER ST
Mailing Address 2: Not reported
Mailing City,St,Zip: CASTRO VALLEY 94546
Contact: Not reported
Contact Phone: Not reported
DUNs Number: Not reported
NPDES Number: Not reported
EPA ID: Not reported
Comments: Not reported
Status: Inactive

Alameda County CS:
Status: Leak Confirmation
Record Id: RO0000578
PE: 5602

Status: Preliminary Site Assessment Workplan Submitted
Record Id: RO0000578
PE: 5602

Status: Preliminary Site Assessment Underway
Record Id: RO0000578
PE: 5602

Status: Pollution Characterization
Record Id: RO0000578
PE: 5602

Status: Remediation Plan
Record Id: RO0000578
PE: 5602

Status: Remedial Action Underway
Record Id: RO0000578
PE: 5602

Status: Verificaiton Monitoring Underway
Record Id: RO0000578
PE: 5602

Status: Case Closed
Record Id: RO0000578
PE: 5602

SWEEPS UST:
Status: Not reported

HAYWARD (Continued) **S101623746**

Comp Number:	67993
Number:	Not reported
Board Of Equalization:	44-000760
Referral Date:	Not reported
Action Date:	Not reported
Created Date:	Not reported
Tank Status:	Not reported
Owner Tank Id:	Not reported
Swrcb Tank Id:	01-000-067993-000001
Actv Date:	Not reported
Capacity:	260
Tank Use:	M.V. FUEL
Stg:	PRODUCT
Content:	DIESEL
Number Of Tanks:	2

Status:	Not reported
Comp Number:	67993
Number:	Not reported
Board Of Equalization:	44-000760
Referral Date:	Not reported
Action Date:	Not reported
Created Date:	Not reported
Tank Status:	Not reported
Owner Tank Id:	Not reported
Swrcb Tank Id:	01-000-067993-000002
Actv Date:	Not reported
Capacity:	2500
Tank Use:	M.V. FUEL
Stg:	PRODUCT
Content:	LEADED
Number Of Tanks:	Not reported

B5 **DRYCLEANER THE** **RCRA-SQG** **1000455726**
East **3300 E CASTRO VALLEY BLVD NO F** **FINDS** **CAD983604166**
< 1/8 **CASTRO VALLEY, CA** **DRYCLEANERS**
0.069 mi.
362 ft. **Site 1 of 2 in cluster B**

Relative:
Lower

Actual:
225 ft.

RCRA-SQG:

Date form received by agency:	08/23/1991
Facility name:	DRYCLEANER THE
Facility address:	3300 E CASTRO VALLEY BLVD NO F CASTRO VALLEY, CA 94552
EPA ID:	CAD983604166
Mailing address:	E CASTRO VALLEY BLVD NO F CASTRO VALLEY, CA 94552
Contact:	MELBA KAHN
Contact address:	3300 E CASTRO VALLEY BLVD NO F CASTRO VALLEY, CA 94552
Contact country:	US
Contact telephone:	(415) 582-2899
Contact email:	Not reported
EPA Region:	09
Classification:	Small Small Quantity Generator
Description:	Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous

DRYCLEANER THE (Continued) **1000455726**

waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:

Owner/operator name:	MELBA KAHN
Owner/operator address:	3300 E CASTRO VALLEY BLVD CASTRO VALLEY, CA 94552
Owner/operator country:	Not reported
Owner/operator telephone:	(415) 582-2899
Legal status:	Private
Owner/Operator Type:	Owner
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Handler Activities Summary:

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

Violation Status: No violations found

FINDS:

Registry ID: 110002859577

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.

DRYCLEANERS:

EPA Id:	CAL000175065
NAICS Code:	81232
NAICS Description:	Drycleaning and Laundry Services (except Coin-Operated)
SIC Code:	7211
SIC Description:	Power Laundries, Family and Commercial
Create Date:	08/09/1996
Facility Active:	No
Inactive Date:	06/30/2007
Facility Addr2:	Not reported

DRYCLEANER THE (Continued) **1000455726**

Owner Name:	JORGE E RAMIREZ
Owner Address:	3300 E CASTRO VALLEY BLVD
Owner Address 2:	Not reported
Owner Telephone:	5105822899
Contact Name:	JORGE E RAMIREZ OWNER
Contact Address:	3300 E CASTRO VALLEY BLVD STE F
Contact Address 2:	Not reported
Contact Telephone:	5105822899
EPA Id:	CAL000314383
NAICS Code:	81232
NAICS Description:	Drycleaning and Laundry Services (except Coin-Operated)
SIC Code:	7211
SIC Description:	Power Laundries, Family and Commercial
Create Date:	12/18/2006
Facility Active:	Yes
Inactive Date:	Not reported
Facility Addr2:	Not reported
Owner Name:	JOSE HENRIQUEZ
Owner Address:	3300 E CASTRO VALLEY BLVD STE F
Owner Address 2:	Not reported
Owner Telephone:	5104159740
Contact Name:	REBECCA MURO
Contact Address:	3300 E CASTRO VALLEY BLVD STE F
Contact Address 2:	Not reported
Contact Telephone:	5105822899

B6 **EDR US Hist Cleaners** **1015044460**
East **3300 E CASTRO VALLEY BLVD** **N/A**
< 1/8 **CASTRO VALLEY, CA 94552**
0.069 mi.
362 ft. **Site 2 of 2 in cluster B**

Relative:
Lower

EDR Historical Cleaners:

Actual:
225 ft.

Name:	DRY CLEANERS THE
Year:	1999
Address:	3300 E CASTRO VALLEY BLVD
Name:	DRY CLEANERS THE
Year:	2000
Address:	3300 E CASTRO VALLEY BLVD
Name:	DRY CLEANERS
Year:	2001
Address:	3300 E CASTRO VALLEY BLVD
Name:	DRY CLEANERS
Year:	2002
Address:	3300 E CASTRO VALLEY BLVD
Name:	DRY CLEANERS
Year:	2003
Address:	3300 E CASTRO VALLEY BLVD
Name:	DRY CLEANER
Year:	2004
Address:	3300 E CASTRO VALLEY BLVD

(Continued) **1015044460**

Name: DRY CLEANERS THE
Year: 2005
Address: 3300 E CASTRO VALLEY BLVD

Name: THE DRY CLEANERS
Year: 2006
Address: 3300 E CASTRO VALLEY BLVD

Name: THE DRY CLEANERS
Year: 2007
Address: 3300 E CASTRO VALLEY BLVD

Name: DRY CLEANERS THE
Year: 2008
Address: 3300 E CASTRO VALLEY BLVD

Name: THE DRY CLEANERS
Year: 2009
Address: 3300 E CASTRO VALLEY BLVD

Name: DRY CLEANERS
Year: 2010
Address: 3300 E CASTRO VALLEY BLVD

Name: DRY CLEANERS THE
Year: 2011
Address: 3300 E CASTRO VALLEY BLVD

Name: THE DRY CLEANERS
Year: 2012
Address: 3300 E CASTRO VALLEY BLVD

7
North
< 1/8
0.123 mi.
652 ft.

DON GUFFEY TRUCKING **RCRA NonGen / NLR** **1000116374**
4166 DAVID ST **FINDS** **CAD982487340**
CASTRO VALLEY, CA 94546

Relative:
Higher

Actual:
228 ft.

RCRA NonGen / NLR:
Date form received by agency: 05/10/1990
Facility name: DON GUFFEY TRUCKING
Facility address: 4166 DAVID ST
CASTRO VALLEY, CA 94546
EPA ID: CAD982487340
Mailing address: DAVID ST
CASTRO VALLEY, CA 94546
Contact: ENVIRONMENTAL MANAGER
Contact address: 4166 DAVID ST
CASTRO VALLEY, CA 94546
Contact country: US
Contact telephone: (415) 582-8950
Contact email: Not reported
EPA Region: 09
Classification: Non-Generator
Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

DON GUFFEY TRUCKING (Continued) **1000116374**

Owner/operator name: NOT REQUIRED
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: (415) 555-1212
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: DONALD GUFFEY
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: (415) 555-1212
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

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

Violation Status: No violations found

FINDS:

Registry ID: 110002828218

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.

C8
WSW
1/8-1/4
0.143 mi.
754 ft.

LATEEFS SPEEDEE OIL CHANGE AND TUNE UP
3940 CASTRO VALLEY BLVD
CASTRO VALLEY, CA 94546

Site 1 of 5 in cluster C

RCRA-SQG
HAZNET

1001023194
CAR000005520

Relative:
Lower

Actual:
200 ft.

RCRA-SQG:

Date form received by agency:	09/01/1995
Facility name:	LATEEFS SPEEDEE OIL CHANGE AND TUNE UP
Facility address:	3940 CASTRO VALLEY BLVD CASTRO VALLEY, CA 94546
EPA ID:	CAR000005520
Mailing address:	E 24TH ST OAKLAND, CA 94606
Contact:	ABDUL LATEEF
Contact address:	1317 E 24TH ST OAKLAND, CA 94606
Contact country:	US
Contact telephone:	(510) 536-4687
Contact email:	Not reported
EPA Region:	09
Classification:	Small Small Quantity Generator
Description:	Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:

Owner/operator name:	ABDUL LATEEF
Owner/operator address:	3940 CASTRO VALLEY BLVD CASTRO VALLEY, CA 94546
Owner/operator country:	Not reported
Owner/operator telephone:	(510) 538-5006
Legal status:	Private
Owner/Operator Type:	Owner
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Handler Activities Summary:

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

Violation Status: No violations found

LATEEFS SPEEDEE OIL CHANGE AND TUNE UP (Continued) **1001023194**

HAZNET:

Year:	1996
Gepaid:	CAR000005520
Contact:	ABDUL LATEEF
Telephone:	0000000000
Mailing Name:	Not reported
Mailing Address:	3940 CASTRO VALLEY BLVD
Mailing City,St,Zip:	CASTRO VALLEY, CA 946060000
Gen County:	Not reported
TSD EPA ID:	CAD980887418
TSD County:	Not reported
Waste Category:	Waste oil and mixed oil
Disposal Method:	Recycler
Tons:	1.4595
Facility County:	1

C9 **SPEEDEE OIL CHANGE** **LUST** **U003713371**
WSW **3940 CASTRO VALLEY BLVD** **N/A**
1/8-1/4 **CASTRO VALLEY, CA 94546**
0.143 mi.
754 ft. **Site 2 of 5 in cluster C**

Relative:
Lower

Actual:
200 ft.

LUST REG 2:

Region:	2
Facility Id:	01-1460
Facility Status:	Case Closed
Case Number:	3061
How Discovered:	Tank Closure
Leak Cause:	Structure Failure
Leak Source:	Tank
Date Leak Confirmed:	Not reported
Oversight Program:	LUST
Prelim. Site Assesment Wokplan Submitted:	Not reported
Preliminary Site Assesment Began:	6/1/1985
Pollution Characterization Began:	6/1/1987
Pollution Remediation Plan Submitted:	Not reported
Date Remediation Action Underway:	Not reported
Date Post Remedial Action Monitoring Began:	Not reported

C10 **TEXACO** **HIST CORTESE** **S101630320**
WSW **3940 CASTRO VALLEY BLVD** **LUST** **N/A**
1/8-1/4 **CASTRO VALLEY, CA 94546** **CA FID UST**
0.143 mi. **Alameda County CS**
754 ft. **Site 3 of 5 in cluster C** **SWEEPS UST**

Relative:
Lower

Actual:
200 ft.

CORTESE:

Region:	CORTESE
Facility County Code:	1
Reg By:	LTNKA
Reg Id:	01-1460

LUST:

Region:	STATE
Global Id:	T0600101348
Latitude:	37.693348

TEXACO (Continued) **S101630320**

Longitude:	-122.0662
Case Type:	LUST Cleanup Site
Status:	Completed - Case Closed
Status Date:	02/27/1995
Lead Agency:	ALAMEDA COUNTY LOP
Case Worker:	SOS
Local Agency:	ALAMEDA COUNTY LOP
RB Case Number:	01-1460
LOC Case Number:	RO0000842
File Location:	Stored electronically as an E-file
Potential Media Affect:	Other Groundwater (uses other than drinking water)
Potential Contaminants of Concern:	Gasoline
Site History:	Not reported

Click here to access the California GeoTracker records for this facility:

Contact:

Global Id:	T0600101348
Contact Type:	Local Agency Caseworker
Contact Name:	SCOTT SEERY
Organization Name:	ALAMEDA COUNTY LOP
Address:	1131 HARBOR BAY PARKWAY
City:	ALAMEDA
Email:	Not reported
Phone Number:	Not reported

Global Id:	T0600101348
Contact Type:	Regional Board Caseworker
Contact Name:	Cherie McCaulou
Organization Name:	SAN FRANCISCO BAY RWQCB (REGION 2)
Address:	1515 CLAY STREET, SUITE 1400
City:	OAKLAND
Email:	cmccaulou@waterboards.ca.gov
Phone Number:	Not reported

Status History:

Global Id:	T0600101348
Status:	Completed - Case Closed
Status Date:	02/27/1995

Global Id:	T0600101348
Status:	Open - Case Begin Date
Status Date:	06/02/1985

Regulatory Activities:

Global Id:	T0600101348
Action Type:	Other
Date:	01/01/1950
Action:	Leak Reported

Global Id:	T0600101348
Action Type:	REMEDIATION
Date:	01/01/1950
Action:	Excavation

TEXACO (Continued) **S101630320**

CA FID UST:
Facility ID: 01001578
Regulated By: UTNKI
Regulated ID: 00016112
Cortese Code: Not reported
SIC Code: Not reported
Facility Phone: Not reported
Mail To: Not reported
Mailing Address: P O BOX
Mailing Address 2: Not reported
Mailing City,St,Zip: CASTRO VALLEY 94564
Contact: Not reported
Contact Phone: Not reported
DUNs Number: Not reported
NPDES Number: Not reported
EPA ID: Not reported
Comments: Not reported
Status: Inactive

Alameda County CS:
Status: Case Closed
Record Id: RO0000842
PE: 5602

SWEEPS UST:
Status: Not reported
Comp Number: 16112
Number: Not reported
Board Of Equalization: 44-000217
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Tank Status: Not reported
Owner Tank Id: Not reported
Swrcb Tank Id: 01-000-016112-000001
Actv Date: Not reported
Capacity: 4000
Tank Use: M.V. FUEL
Stg: PRODUCT
Content: REG UNLEADED
Number Of Tanks: 10

Status: Not reported
Comp Number: 16112
Number: Not reported
Board Of Equalization: 44-000217
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Tank Status: Not reported
Owner Tank Id: Not reported
Swrcb Tank Id: 01-000-016112-000002
Actv Date: Not reported
Capacity: 4000
Tank Use: M.V. FUEL
Stg: PRODUCT

TEXACO (Continued) **S101630320**

Content: LEADED
Number Of Tanks: Not reported

Status: Not reported
Comp Number: 16112
Number: Not reported
Board Of Equalization: 44-000217
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Tank Status: Not reported
Owner Tank Id: Not reported
Swrcb Tank Id: 01-000-016112-000003
Actv Date: Not reported
Capacity: 6000
Tank Use: M.V. FUEL
Stg: PRODUCT
Content: LEADED
Number Of Tanks: Not reported

Status: Not reported
Comp Number: 16112
Number: Not reported
Board Of Equalization: 44-000217
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Tank Status: Not reported
Owner Tank Id: Not reported
Swrcb Tank Id: 01-000-016112-000004
Actv Date: Not reported
Capacity: 6000
Tank Use: M.V. FUEL
Stg: PRODUCT
Content: REG UNLEADED
Number Of Tanks: Not reported

Status: Not reported
Comp Number: 16112
Number: Not reported
Board Of Equalization: 44-000217
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Tank Status: Not reported
Owner Tank Id: Not reported
Swrcb Tank Id: 01-000-016112-000005
Actv Date: Not reported
Capacity: 550
Tank Use: OIL
Stg: WASTE
Content: WASTE OIL
Number Of Tanks: Not reported

Status: Not reported
Comp Number: 16112
Number: Not reported

TEXACO (Continued) **S101630320**

Board Of Equalization: 44-000217
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Tank Status: Not reported
Owner Tank Id: Not reported
Swrcb Tank Id: 01-000-016112-000006
Actv Date: Not reported
Capacity: 6000
Tank Use: M.V. FUEL
Stg: PRODUCT
Content: REG UNLEADED
Number Of Tanks: Not reported

Status: Not reported
Comp Number: 16112
Number: Not reported
Board Of Equalization: 44-000217
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Tank Status: Not reported
Owner Tank Id: Not reported
Swrcb Tank Id: 01-000-016112-000007
Actv Date: Not reported
Capacity: 6000
Tank Use: M.V. FUEL
Stg: PRODUCT
Content: LEADED
Number Of Tanks: Not reported

Status: Not reported
Comp Number: 16112
Number: Not reported
Board Of Equalization: 44-000217
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Tank Status: Not reported
Owner Tank Id: Not reported
Swrcb Tank Id: 01-000-016112-000008
Actv Date: Not reported
Capacity: 6000
Tank Use: M.V. FUEL
Stg: PRODUCT
Content: REG UNLEADED
Number Of Tanks: Not reported

Status: Not reported
Comp Number: 16112
Number: Not reported
Board Of Equalization: 44-000217
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Tank Status: Not reported
Owner Tank Id: Not reported

TEXACO (Continued) **S101630320**

Swrcb Tank Id: 01-000-016112-000009
Actv Date: Not reported
Capacity: 6000
Tank Use: M.V. FUEL
Stg: PRODUCT
Content: LEADED
Number Of Tanks: Not reported

Status: Not reported
Comp Number: 16112
Number: Not reported
Board Of Equalization: 44-000217
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Tank Status: Not reported
Owner Tank Id: Not reported
Swrcb Tank Id: 01-000-016112-000010
Actv Date: Not reported
Capacity: 550
Tank Use: OIL
Stg: WASTE
Content: WASTE OIL
Number Of Tanks: Not reported

C11 **TEXACO** **HIST UST** **U001597877**
WSW **3940 CASTRO VALLEY BLVD** **N/A**
1/8-1/4 **CASTRO VALLEY, CA 94564**
0.143 mi.
754 ft. **Site 4 of 5 in cluster C**

Relative:
Lower

Actual:
200 ft.

HIST UST:
Region: STATE
Facility ID: 00000016112
Facility Type: Gas Station
Other Type: Not reported
Total Tanks: 0000
Contact Name: IDLE
Telephone: 0000000000
Owner Name: TEXACO U.S.A.
Owner Address: 3350 WILSHIRE BLVD.
Owner City,St,Zip: LOS ANGELES, CA 90010

Tank Num: 001
Container Num: #1
Year Installed: 1950
Tank Capacity: 00004000
Tank Used for: PRODUCT
Type of Fuel: PREMIUM
Tank Construction: Not reported
Leak Detection: Stock Inventor, Sensor Instrument

Tank Num: 002
Container Num: #2
Year Installed: 1950
Tank Capacity: 00004000
Tank Used for: PRODUCT
Type of Fuel: REGULAR

TEXACO (Continued) **U001597877**

Tank Construction: Not reported
Leak Detection: Stock Inventor, Sensor Instrument

Tank Num: 003
Container Num: #3
Year Installed: 1967
Tank Capacity: 00006000
Tank Used for: PRODUCT
Type of Fuel: REGULAR
Tank Construction: Not reported
Leak Detection: Stock Inventor, Sensor Instrument

Tank Num: 004
Container Num: #4
Year Installed: 1970
Tank Capacity: 00006000
Tank Used for: PRODUCT
Type of Fuel: UNLEADED
Tank Construction: Not reported
Leak Detection: Stock Inventor, Sensor Instrument

Tank Num: 005
Container Num: #5
Year Installed: 1950
Tank Capacity: 00000550
Tank Used for: WASTE
Type of Fuel: WASTE OIL
Tank Construction: Not reported
Leak Detection: Visual

Tank Num: 006
Container Num: #1
Year Installed: 1966
Tank Capacity: 00006000
Tank Used for: PRODUCT
Type of Fuel: PREMIUM
Tank Construction: Not reported
Leak Detection: Stock Inventor, Sensor Instrument

Tank Num: 007
Container Num: #2
Year Installed: 1966
Tank Capacity: 00006000
Tank Used for: PRODUCT
Type of Fuel: REGULAR
Tank Construction: Not reported
Leak Detection: Stock Inventor, Sensor Instrument

Tank Num: 008
Container Num: #3
Year Installed: 1966
Tank Capacity: 00006000
Tank Used for: PRODUCT
Type of Fuel: UNLEADED
Tank Construction: Not reported
Leak Detection: Stock Inventor, Sensor Instrument

TEXACO (Continued) **U001597877**

Tank Num: 009
Container Num: #4
Year Installed: 1966
Tank Capacity: 00006000
Tank Used for: PRODUCT
Type of Fuel: REGULAR
Tank Construction: Not reported
Leak Detection: Stock Inventor, Sensor Instrument

Tank Num: 010
Container Num: #5
Year Installed: 1966
Tank Capacity: 00000550
Tank Used for: WASTE
Type of Fuel: WASTE OIL
Tank Construction: Not reported
Leak Detection: Visual

C12 **FOTOMAT CORP EB810** **RCRA-SQG 1000840888**
WSW **3949 CASTRO VALLEY BLVD** **FINDS CAD983634155**
1/8-1/4 **CASTRO VALLEY, CA 94546**
0.162 mi.
856 ft. **Site 5 of 5 in cluster C**

Relative:
Lower

Actual:
196 ft.

RCRA-SQG:
Date form received by agency: 04/24/1992
Facility name: FOTOMAT CORP EB810
Facility address: 3949 CASTRO VALLEY BLVD
CASTRO VALLEY, CA 94546
EPA ID: CAD983634155
Mailing address: 201 PRESTIGE PARK RD
EAST HARTFORD, CT 06108
Contact: JASON SARET
Contact address: 49 W 42ND AVE
SAN MATEO, CA 94403
Contact country: US
Contact telephone: (415) 358-1550
Contact email: Not reported
EPA Region: 09
Classification: Small Small Quantity Generator
Description: Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:
Owner/operator name: FOTOMAT CORP
Owner/operator address: 201 PRESTIGE PARK RD
EAST HARTFORD, CT 06108
Owner/operator country: Not reported
Owner/operator telephone: (203) 291-0100
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

FOTOMAT CORP EB810 (Continued) **1000840888**

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

Violation Status: No violations found

FINDS:

Registry ID: 110006483279

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.

D13
West
1/8-1/4
0.192 mi.
1013 ft.

RITE AID 5922 **RCRA-CESQG** **1000985180**
3848 CASTRO VLY BLVD **CA0001012426**
CASTRO VLY, CA 94546

Site 1 of 3 in cluster D

Relative:
Lower

Actual:
185 ft.

RCRA-CESQG:
Date form received by agency: 08/27/2010
Facility name: RITE AID 5922
Facility address: 3848 CASTRO VLY BLVD
CASTRO VLY, CA 94546
EPA ID: CA0001012426
Mailing address: 30 HUNTER LN
CAMP HILL, PA 17011
Contact: STEPHANIE CAIATI
Contact address: 30 HUNTER LN
CAMP HILL, PA 17011
Contact country: US
Contact telephone: 717-730-8225
Contact email: SSCAIATI@RITEAID.COM
EPA Region: 09
Classification: Conditionally Exempt Small Quantity Generator
Description: Handler: generates 100 kg or less of hazardous waste per calendar month, and accumulates 1000 kg or less of hazardous waste at any time; or generates 1 kg or less of acutely hazardous waste per calendar month, and accumulates at any time: 1 kg or less of acutely hazardous

RITE AID 5922 (Continued) **1000985180**

waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste

Owner/Operator Summary:

Owner/operator name:	RITE AID CORP
Owner/operator address:	30 HUNTER LN CAMP HILL, PA 17011
Owner/operator country:	US
Owner/operator telephone:	717-730-8225
Legal status:	Private
Owner/Operator Type:	Operator
Owner/Op start date:	09/01/1962
Owner/Op end date:	Not reported

Owner/operator name:	RITE AID CORP
Owner/operator address:	30 HUNTER LN CAMP HILL, PA 17011
Owner/operator country:	US
Owner/operator telephone:	717-730-8225
Legal status:	Private
Owner/Operator Type:	Owner
Owner/Op start date:	09/01/1962
Owner/Op end date:	Not reported

Handler Activities Summary:

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

Historical Generators:

Date form received by agency:	11/04/1998
Facility name:	RITE AID 5922
Site name:	RITE AID CORP NO 5922
Classification:	Small Quantity Generator

Date form received by agency:	01/25/1995

RITE AID 5922 (Continued) **1000985180**

Facility name: RITE AID 5922
Site name: RITE AID CORP NO 5922
Classification: Small Quantity Generator

Hazardous Waste Summary:

Waste code: D001
Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

Waste code: D002
Waste name: A WASTE WHICH HAS A PH OF LESS THAN 2 OR GREATER THAN 12.5 IS CONSIDERED TO BE A CORROSIVE HAZARDOUS WASTE. SODIUM HYDROXIDE, A CAUSTIC SOLUTION WITH A HIGH PH, IS OFTEN USED BY INDUSTRIES TO CLEAN OR DEGREASE PARTS. HYDROCHLORIC ACID, A SOLUTION WITH A LOW PH, IS USED BY MANY INDUSTRIES TO CLEAN METAL PARTS PRIOR TO PAINTING. WHEN THESE CAUSTIC OR ACID SOLUTIONS BECOME CONTAMINATED AND MUST BE DISPOSED, THE WASTE WOULD BE A CORROSIVE HAZARDOUS WASTE.

Waste code: D005
Waste name: BARIUM

Waste code: D006
Waste name: CADMIUM

Waste code: D007
Waste name: CHROMIUM

Waste code: D008
Waste name: LEAD

Waste code: D016
Waste name: 2,4-D

Waste code: D035
Waste name: METHYL ETHYL KETONE

Waste code: U002
Waste name: ACETONE (I)

Waste code: U080
Waste name: METHANE, DICHLORO-

Waste code: U160
Waste name: 2-BUTANONE, PEROXIDE (R,T)

Violation Status: No violations found

14
NE
1/8-1/4
0.192 mi.
1016 ft.

DENNY, LELAND & SHIRL DEF
4280 VERONICA
CASTRO VALLEY, CA 94546

HIST CORTESE **S105023137**
N/A

Relative:
Higher

Actual:
233 ft.

CORTESE:
Region: CORTESE
Facility County Code: 18
Reg By: WBC&D
Reg Id: 6A189012N22

E15
SSE
1/8-1/4
0.215 mi.
1135 ft.

UNOCAL SS #3770
3020 GROVE ST
CASTRO VALLEY, CA 94546

Site 1 of 9 in cluster E

HIST CORTESE **1000167161**
LUST **N/A**
CA FID UST
Alameda County CS
HIST UST
SWEEPS UST

Relative:
Lower

Actual:
210 ft.

CORTESE:
Region: CORTESE
Facility County Code: 1
Reg By: LTNKA
Reg Id: 01-2077

LUST:
Region: STATE
Global Id: T0600101909
Latitude: 37.69053541
Longitude: -122.06204
Case Type: LUST Cleanup Site
Status: Completed - Case Closed
Status Date: 06/21/1995
Lead Agency: ALAMEDA COUNTY LOP
Case Worker: SOS
Local Agency: ALAMEDA COUNTY LOP
RB Case Number: 01-2077
LOC Case Number: RO0000664
File Location: Stored electronically as an E-file
Potential Media Affect: Soil
Potential Contaminants of Concern: Gasoline
Site History: Not reported

Click here to access the California GeoTracker records for this facility:

Contact:
Global Id: T0600101909
Contact Type: Regional Board Caseworker
Contact Name: Cherie McCaulou
Organization Name: SAN FRANCISCO BAY RWQCB (REGION 2)
Address: 1515 CLAY STREET, SUITE 1400
City: OAKLAND
Email: cmccaulou@waterboards.ca.gov
Phone Number: Not reported

Global Id: T0600101909
Contact Type: Local Agency Caseworker
Contact Name: SCOTT SEERY
Organization Name: ALAMEDA COUNTY LOP
Address: 1131 HARBOR BAY PARKWAY

UNOCAL SS #3770 (Continued) **1000167161**

City: ALAMEDA
Email: Not reported
Phone Number: Not reported

Status History:
Global Id: T0600101909
Status: Completed - Case Closed
Status Date: 06/21/1995

Global Id: T0600101909
Status: Open - Case Begin Date
Status Date: 11/05/1994

Regulatory Activities:
Global Id: T0600101909
Action Type: Other
Date: 01/01/1950
Action: Leak Reported

Global Id: T0600101909
Action Type: REMEDIATION
Date: 01/01/1950
Action: Not reported

LUST REG 2:
Region: 2
Facility Id: 01-2077
Facility Status: Case Closed
Case Number: 4089
How Discovered: Tank Closure
Leak Cause: UNK
Leak Source: UNK
Date Leak Confirmed: Not reported
Oversight Program: LUST
Prelim. Site Assesment Wokplan Submitted: Not reported
Preliminary Site Assesment Began: Not reported
Pollution Characterization Began: Not reported
Pollution Remediation Plan Submitted: Not reported
Date Remediation Action Underway: 6/15/1995
Date Post Remedial Action Monitoring Began: Not reported

CA FID UST:
Facility ID: 01002664
Regulated By: UTNKA
Regulated ID: 00031697
Cortese Code: Not reported
SIC Code: Not reported
Facility Phone: Not reported
Mail To: Not reported
Mailing Address: 3020 GROVE ST
Mailing Address 2: Not reported
Mailing City,St,Zip: CASTRO VALLEY 94546
Contact: Not reported
Contact Phone: Not reported

UNOCAL SS #3770 (Continued) **1000167161**

DUNs Number: Not reported
NPDES Number: Not reported
EPA ID: Not reported
Comments: Not reported
Status: Active

Alameda County CS:
Status: Case Closed
Record Id: RO0000664
PE: 5602

HIST UST:
Region: STATE
Facility ID: 00000031697
Facility Type: Gas Station
Other Type: Not reported
Total Tanks: 0003
Contact Name: AMBROSIO L. LOGAN
Telephone: 4155819572
Owner Name: UNION OIL CO.
Owner Address: 1 CALIFORNIA ST. SUITE 2700
Owner City,St,Zip: SAN FRANCISCO, CA 94111

Tank Num: 001
Container Num: 3770-1-1
Year Installed: 1983
Tank Capacity: 00012000
Tank Used for: PRODUCT
Type of Fuel: UNLEADED
Tank Construction: Not reported
Leak Detection: Stock Inventor, 10

Tank Num: 002
Container Num: 3770-21
Year Installed: 1983
Tank Capacity: 00012000
Tank Used for: PRODUCT
Type of Fuel: PREMIUM
Tank Construction: Not reported
Leak Detection: Stock Inventor, 10

Tank Num: 003
Container Num: 3770-3-1
Year Installed: 1983
Tank Capacity: 00012000
Tank Used for: PRODUCT
Type of Fuel: DIESEL
Tank Construction: Not reported
Leak Detection: Stock Inventor, 10

SWEEPS UST:
Status: Active
Comp Number: 31697
Number: 2
Board Of Equalization: 44-000051
Referral Date: 02-03-93

UNOCAL SS #3770 (Continued) **1000167161**

Action Date:	11-19-93
Created Date:	02-29-88
Tank Status:	A
Owner Tank Id:	3770-RU-1
Swrcb Tank Id:	01-000-031697-000001
Actv Date:	02-03-93
Capacity:	12000
Tank Use:	M.V. FUEL
Stg:	P
Content:	REG UNLEADED
Number Of Tanks:	3

Status:	Active
Comp Number:	31697
Number:	2
Board Of Equalization:	44-000051
Referral Date:	02-03-93
Action Date:	11-19-93
Created Date:	02-29-88
Tank Status:	A
Owner Tank Id:	3770-SU1
Swrcb Tank Id:	01-000-031697-000002
Actv Date:	02-03-93
Capacity:	12000
Tank Use:	M.V. FUEL
Stg:	P
Content:	PRM UNLEADED
Number Of Tanks:	Not reported

Status:	Active
Comp Number:	31697
Number:	2
Board Of Equalization:	44-000051
Referral Date:	02-03-93
Action Date:	11-19-93
Created Date:	02-29-88
Tank Status:	A
Owner Tank Id:	3770-DSL#2-1
Swrcb Tank Id:	01-000-031697-000003
Actv Date:	02-03-93
Capacity:	12000
Tank Use:	M.V. FUEL
Stg:	P
Content:	DIESEL
Number Of Tanks:	Not reported

E16 **UNOCAL** **UST** **U004048869**
SSE **3020 GROVE WAY** **N/A**
1/8-1/4 **CASTRO VALLEY, CA 94546**
0.215 mi.
1135 ft. **Site 2 of 9 in cluster E**

Relative:
Lower

Actual:
210 ft.

UST:

Facility ID:	01-000-031697
Latitude:	37.69071
Longitude:	-122.06116

UNOCAL (Continued) **U004048869**

ALAMEDA CO. UST:
Facility ID: FA0300664
Program Element: 4103
Facility Status: 01
Description: UST - 3
Inspection Date: 01/22/2014
Closed: Not reported
Owner Name: LINDA MUI

D17 **CASTRO VALLEY OLYMPIC** **HIST UST** **U001596679**
West **3889 CASTRO VALLEY BLVD** **N/A**
1/8-1/4 **CASTRO VALLEY, CA 94526**
0.216 mi.
1142 ft. **Site 2 of 3 in cluster D**

Relative:
Lower

Actual:
182 ft.

HIST UST:
Region: STATE
Facility ID: 00000059712
Facility Type: Gas Station
Other Type: Not reported
Total Tanks: 0003
Contact Name: W. PROIA
Telephone: 4158738200
Owner Name: OLYMPIAN OIL CO.
Owner Address: 260 MICHELE CT.
Owner City,St,Zip: SOUTH SAN FRANCISCO, CA 94080

Tank Num: 001
Container Num: 1
Year Installed: Not reported
Tank Capacity: 00010000
Tank Used for: PRODUCT
Type of Fuel: REGULAR
Tank Construction: 1/4 inches
Leak Detection: None

Tank Num: 002
Container Num: 2
Year Installed: Not reported
Tank Capacity: 00010000
Tank Used for: PRODUCT
Type of Fuel: UNLEADED
Tank Construction: 1/4 inches
Leak Detection: None

Tank Num: 003
Container Num: 3
Year Installed: Not reported
Tank Capacity: 00010000
Tank Used for: PRODUCT
Type of Fuel: UNLEADED
Tank Construction: 1/4 inches
Leak Detection: None

D18 **VIP SERVICE STATION** **HIST CORTESE** **S101580199**
West **3889 CASTRO VALLEY BLVD** **LUST** **N/A**
1/8-1/4 **CASTRO VALLEY, CA 94546** **CA FID UST**
0.216 mi. **Alameda County CS**
1142 ft. **Site 3 of 3 in cluster D** **SWEEPS UST**

Relative:
Lower

Actual:
182 ft.

CORTESE:

Region:	CORTESE
Facility County Code:	1
Reg By:	LTNKA
Reg Id:	01-1641

LUST:

Region:	STATE
Global Id:	T0600101516
Latitude:	37.693342916
Longitude:	-122.0676675
Case Type:	LUST Cleanup Site
Status:	Open - Remediation
Status Date:	11/26/2002
Lead Agency:	SAN FRANCISCO BAY RWQCB (REGION 2)
Case Worker:	CTH
Local Agency:	Not reported
RB Case Number:	01-1641
LOC Case Number:	Not reported
File Location:	Stored electronically as an E-file
Potential Media Affect:	Other Groundwater (uses other than drinking water)
Potential Contaminants of Concern:	Gasoline
Site History:	Four USTs were removed in April 1993. Significantly elevated TPH-g and benzene concentrations were detected in UST compliance soil samples and groundwater samples. To delineate subsurface impact, borings were installed in 1995 and 1996. Elevated hydrocarbon concentrations were detected in soil, soil vapor and groundwater, including free product. Corrective action appears necessary to abate free product.

Click here to access the California GeoTracker records for this facility:

Contact:

Global Id:	T0600101516
Contact Type:	Regional Board Caseworker
Contact Name:	BARBARA SIEMINSKI
Organization Name:	SAN FRANCISCO BAY RWQCB (REGION 2)
Address:	1515 CLAY STREET, SUITE 1400
City:	OAKLAND
Email:	bsieminski@waterboards.ca.gov
Phone Number:	Not reported

Status History:

Global Id:	T0600101516
Status:	Open - Case Begin Date
Status Date:	01/14/1991

Global Id:	T0600101516
Status:	Open - Remediation
Status Date:	11/26/2002

Regulatory Activities:

VIP SERVICE STATION (Continued) **S101580199**

Global Id: T0600101516
Action Type: RESPONSE
Date: 01/24/1994
Action: Other Report / Document

Global Id: T0600101516
Action Type: RESPONSE
Date: 01/14/2000
Action: Soil and Water Investigation Report

Global Id: T0600101516
Action Type: RESPONSE
Date: 04/04/2008
Action: Correspondence

Global Id: T0600101516
Action Type: RESPONSE
Date: 09/10/1993
Action: Other Workplan

Global Id: T0600101516
Action Type: RESPONSE
Date: 06/01/2001
Action: Soil and Water Investigation Workplan

Global Id: T0600101516
Action Type: RESPONSE
Date: 05/20/1998
Action: Sensitive Receptor Survey Report

Global Id: T0600101516
Action Type: RESPONSE
Date: 04/02/2005
Action: Other Workplan

Global Id: T0600101516
Action Type: RESPONSE
Date: 02/28/1995
Action: Soil and Water Investigation Workplan

Global Id: T0600101516
Action Type: RESPONSE
Date: 10/16/1997
Action: Risk Assessment Report

Global Id: T0600101516
Action Type: RESPONSE
Date: 01/24/1994
Action: Soil and Water Investigation Report

Global Id: T0600101516
Action Type: Other
Date: 01/01/1950
Action: Leak Reported

Global Id: T0600101516
Action Type: RESPONSE

VIP SERVICE STATION (Continued) **S101580199**

Date: 11/18/2010
Action: Pilot Study/ Treatability Report

Global Id: T0600101516
Action Type: ENFORCEMENT
Date: 05/06/2013
Action: Technical Correspondence / Assistance / Other

Global Id: T0600101516
Action Type: ENFORCEMENT
Date: 03/27/2009
Action: Technical Correspondence / Assistance / Other - #20090327

Global Id: T0600101516
Action Type: ENFORCEMENT
Date: 04/30/1993
Action: Notice of Responsibility - #UNK

Global Id: T0600101516
Action Type: ENFORCEMENT
Date: 04/18/2008
Action: * NEL - #20080418

Global Id: T0600101516
Action Type: ENFORCEMENT
Date: 07/24/2009
Action: Staff Letter - #20090724

Global Id: T0600101516
Action Type: ENFORCEMENT
Date: 08/27/2008
Action: Technical Correspondence / Assistance / Other - #20080827

Global Id: T0600101516
Action Type: RESPONSE
Date: 03/17/2013
Action: Other Report / Document

Global Id: T0600101516
Action Type: ENFORCEMENT
Date: 03/25/2013
Action: Meeting

Global Id: T0600101516
Action Type: ENFORCEMENT
Date: 06/15/2012
Action: Referral to Regional Board - #20120615

Global Id: T0600101516
Action Type: ENFORCEMENT
Date: 02/25/2013
Action: Site Visit / Inspection / Sampling

Global Id: T0600101516
Action Type: ENFORCEMENT
Date: 01/17/1990
Action: Staff Letter - #19900117

VIP SERVICE STATION (Continued) **S101580199**

Global Id: T0600101516
Action Type: ENFORCEMENT
Date: 10/10/2012
Action: Letter - Notice

Global Id: T0600101516
Action Type: Other
Date: 01/01/1950
Action: Leak Stopped

Global Id: T0600101516
Action Type: RESPONSE
Date: 07/30/2013
Action: Monitoring Report - Quarterly

Global Id: T0600101516
Action Type: RESPONSE
Date: 07/30/2012
Action: Monitoring Report - Semi-Annually

Global Id: T0600101516
Action Type: RESPONSE
Date: 03/28/2012
Action: Clean Up Fund - 5-Year Review Summary

Global Id: T0600101516
Action Type: RESPONSE
Date: 06/30/2009
Action: Clean Up Fund - 5-Year Review Summary

Global Id: T0600101516
Action Type: RESPONSE
Date: 10/04/2013
Action: Soil Vapor Intrusion Investigation Report

Global Id: T0600101516
Action Type: ENFORCEMENT
Date: 05/03/1993
Action: Unauthorized Release Form - #19930503

Global Id: T0600101516
Action Type: ENFORCEMENT
Date: 04/09/2013
Action: 13267 Requirement

Global Id: T0600101516
Action Type: ENFORCEMENT
Date: 07/03/2013
Action: 13267 Requirement

Global Id: T0600101516
Action Type: ENFORCEMENT
Date: 04/30/1993
Action: Notice of Responsibility - #19930430

Global Id: T0600101516
Action Type: ENFORCEMENT

VIP SERVICE STATION (Continued) **S101580199**

Date:	03/07/2012
Action:	File review
Global Id:	T0600101516
Action Type:	Other
Date:	01/01/1950
Action:	Leak Discovery
Global Id:	T0600101516
Action Type:	ENFORCEMENT
Date:	05/20/2010
Action:	Staff Letter - #20100520
Global Id:	T0600101516
Action Type:	RESPONSE
Date:	09/15/2010
Action:	Clean Up Fund - 5-Year Review Summary
Global Id:	T0600101516
Action Type:	RESPONSE
Date:	06/09/2008
Action:	CAP/RAP - Feasibility Study Report
Global Id:	T0600101516
Action Type:	REMEDIATION
Date:	01/01/1950
Action:	Excavation
Global Id:	T0600101516
Action Type:	ENFORCEMENT
Date:	08/20/2010
Action:	Staff Letter - #20100820
Global Id:	T0600101516
Action Type:	RESPONSE
Date:	07/02/2002
Action:	Soil and Water Investigation Report
Global Id:	T0600101516
Action Type:	RESPONSE
Date:	11/26/2002
Action:	CAP/RAP - Feasibility Study Report
Global Id:	T0600101516
Action Type:	RESPONSE
Date:	06/10/2013
Action:	Soil and Water Investigation Workplan - Regulator Responded
Global Id:	T0600101516
Action Type:	RESPONSE
Date:	04/30/2013
Action:	Monitoring Report - Semi-Annually - Regulator Responded
Global Id:	T0600101516
Action Type:	RESPONSE
Date:	07/19/2010
Action:	Corrective Action Plan / Remedial Action Plan

VIP SERVICE STATION (Continued) **S101580199**

LUST REG 2:
Region: 2
Facility Id: 01-1641
Facility Status: Preliminary site assessment underway
Case Number: 1710
How Discovered: Tank Closure
Leak Cause: Structure Failure
Leak Source: Tank
Date Leak Confirmed: 4/30/1993
Oversight Program: LUST
Prelim. Site Assesment Wokplan Submitted: Not reported
Preliminary Site Assesment Began: 1/2/1965
Pollution Characterization Began: Not reported
Pollution Remediation Plan Submitted: Not reported
Date Remediation Action Underway: Not reported
Date Post Remedial Action Monitoring Began: Not reported

CA FID UST:
Facility ID: 01001758
Regulated By: UTNKA
Regulated ID: 00059712
Cortese Code: Not reported
SIC Code: Not reported
Facility Phone: 4155381303
Mail To: Not reported
Mailing Address: 2060 SPRINGWTER DR
Mailing Address 2: Not reported
Mailing City,St,Zip: CASTRO VALLEY 94526
Contact: Not reported
Contact Phone: Not reported
DUNs Number: Not reported
NPDES Number: Not reported
EPA ID: Not reported
Comments: Not reported
Status: Active

Alameda County CS:
Status: 11
Record Id: RO0000209
PE: 5602

Status: Remediation Plan
Record Id: RO0000209
PE: 5602

SWEEPS UST:
Status: Not reported
Comp Number: 59712
Number: Not reported
Board Of Equalization: 44-000597
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Tank Status: Not reported
Owner Tank Id: Not reported

VIP SERVICE STATION (Continued) **S101580199**

Swrcb Tank Id:	01-000-059712-000001
Actv Date:	Not reported
Capacity:	10000
Tank Use:	M.V. FUEL
Stg:	PRODUCT
Content:	PRM UNLEADED
Number Of Tanks:	4
Status:	Not reported
Comp Number:	59712
Number:	Not reported
Board Of Equalization:	44-000597
Referral Date:	Not reported
Action Date:	Not reported
Created Date:	Not reported
Tank Status:	Not reported
Owner Tank Id:	Not reported
Swrcb Tank Id:	01-000-059712-000002
Actv Date:	Not reported
Capacity:	10000
Tank Use:	M.V. FUEL
Stg:	PRODUCT
Content:	REG UNLEADED
Number Of Tanks:	Not reported
Status:	Not reported
Comp Number:	59712
Number:	Not reported
Board Of Equalization:	44-000597
Referral Date:	Not reported
Action Date:	Not reported
Created Date:	Not reported
Tank Status:	Not reported
Owner Tank Id:	Not reported
Swrcb Tank Id:	01-000-059712-000003
Actv Date:	Not reported
Capacity:	10000
Tank Use:	M.V. FUEL
Stg:	PRODUCT
Content:	REG UNLEADED
Number Of Tanks:	Not reported
Status:	Not reported
Comp Number:	59712
Number:	Not reported
Board Of Equalization:	44-000597
Referral Date:	Not reported
Action Date:	Not reported
Created Date:	Not reported
Tank Status:	Not reported
Owner Tank Id:	Not reported
Swrcb Tank Id:	01-000-059712-000004
Actv Date:	Not reported
Capacity:	500
Tank Use:	OIL
Stg:	WASTE
Content:	WASTE OIL

VIP SERVICE STATION (Continued) **S101580199**

Number Of Tanks: Not reported

E19 **LIST A L** **EDR US Hist Cleaners** **1009140448**
SSE **3049 GROVE ST** **N/A**
1/8-1/4 **OAKLAND, CA**
0.220 mi.
1161 ft. **Site 3 of 9 in cluster E**

Relative: **Lower**
Actual: **208 ft.**

EDR Historical Cleaners:
Name: LIST A L
Year: 1933
Type: CLOTHES PRESSERS AND CLEANERS

E20 **PAYLESS CLEANERS** **EDR US Hist Cleaners** **1009140497**
SSE **3047 GROVE ST** **N/A**
1/8-1/4 **OAKLAND, CA**
0.220 mi.
1163 ft. **Site 4 of 9 in cluster E**

Relative: **Lower**
Actual: **208 ft.**

EDR Historical Cleaners:
Name: PAYLESS CLEANERS
Year: 1967
Type: CLEANERS AND DYERS

E21 **CHEVRON #3283** **CA FID UST** **S101580403**
SSE **3005 GROVE WAY** **SWEEPS UST** **N/A**
1/8-1/4 **CASTRO VALLEY, CA 94546**
0.243 mi.
1283 ft. **Site 5 of 9 in cluster E**

Relative: **Lower**
Actual: **211 ft.**

CA FID UST:
Facility ID: 01002792
Regulated By: UTNKA
Regulated ID: 00062418
Cortese Code: Not reported
SIC Code: Not reported
Facility Phone: 5105816110
Mail To: Not reported
Mailing Address: 2410 CAMINO RAMON
Mailing Address 2: Not reported
Mailing City,St,Zip: CASTRO VALLEY 94546
Contact: Not reported
Contact Phone: Not reported
DUNs Number: Not reported
NPDES Number: Not reported
EPA ID: Not reported
Comments: Not reported
Status: Active

SWEEPS UST:
Status: Active
Comp Number: 62418
Number: 2
Board Of Equalization: 44-031913

CHEVRON #3283 (Continued) **S101580403**

Referral Date:	07-08-93
Action Date:	12-13-93
Created Date:	02-29-88
Tank Status:	A
Owner Tank Id:	4
Swrcb Tank Id:	01-000-062418-000001
Actv Date:	03-25-93
Capacity:	1000
Tank Use:	OIL
Stg:	W
Content:	WASTE OIL
Number Of Tanks:	4

Status:	Active
Comp Number:	62418
Number:	2
Board Of Equalization:	44-031913
Referral Date:	07-08-93
Action Date:	12-13-93
Created Date:	02-29-88
Tank Status:	A
Owner Tank Id:	1
Swrcb Tank Id:	01-000-062418-000002
Actv Date:	07-08-93
Capacity:	10000
Tank Use:	M.V. FUEL
Stg:	P
Content:	REG UNLEADED
Number Of Tanks:	Not reported

Status:	Active
Comp Number:	62418
Number:	2
Board Of Equalization:	44-031913
Referral Date:	07-08-93
Action Date:	12-13-93
Created Date:	02-29-88
Tank Status:	A
Owner Tank Id:	2
Swrcb Tank Id:	01-000-062418-000003
Actv Date:	07-08-93
Capacity:	10000
Tank Use:	M.V. FUEL
Stg:	P
Content:	PRM UNLEADED
Number Of Tanks:	Not reported

Status:	Active
Comp Number:	62418
Number:	2
Board Of Equalization:	44-031913
Referral Date:	07-08-93
Action Date:	12-13-93
Created Date:	02-29-88
Tank Status:	A
Owner Tank Id:	3
Swrcb Tank Id:	01-000-062418-000004

CHEVRON #3283 (Continued) **S101580403**

Actv Date:	07-08-93
Capacity:	10000
Tank Use:	M.V. FUEL
Stg:	P
Content:	PLUS UNLEADE
Number Of Tanks:	Not reported

E22 **93283** **HIST UST** **U001597189**
SSE **3005 GROVE WAY** **N/A**
1/8-1/4 **CASTRO VALLEY, CA 94546**
0.243 mi.
1283 ft. **Site 6 of 9 in cluster E**

Relative:
Lower

Actual:
211 ft.

HIST UST:

Region:	STATE
Facility ID:	00000062418
Facility Type:	Gas Station
Other Type:	Not reported
Total Tanks:	0004
Contact Name:	ALJIAN, WILLIAM P
Telephone:	4158819660
Owner Name:	CHEVRON U.S.A. INC.
Owner Address:	575 MARKET
Owner City,St,Zip:	SAN FRANCISCO, CA 94105
Tank Num:	001
Container Num:	1
Year Installed:	Not reported
Tank Capacity:	00001000
Tank Used for:	WASTE
Type of Fuel:	Not reported
Tank Construction:	0000250 unknown
Leak Detection:	Stock Inventor
Tank Num:	002
Container Num:	2
Year Installed:	Not reported
Tank Capacity:	00010000
Tank Used for:	PRODUCT
Type of Fuel:	Not reported
Tank Construction:	0000250 unknown
Leak Detection:	Stock Inventor
Tank Num:	003
Container Num:	3
Year Installed:	Not reported
Tank Capacity:	00010000
Tank Used for:	PRODUCT
Type of Fuel:	Not reported
Tank Construction:	0000250 unknown
Leak Detection:	Stock Inventor
Tank Num:	004
Container Num:	4
Year Installed:	Not reported
Tank Capacity:	00010000
Tank Used for:	PRODUCT
Type of Fuel:	Not reported

93283 (Continued) **U001597189**

Tank Construction: 0000250 unknown
Leak Detection: Stock Inventor

E23
SSE
1/8-1/4
0.243 mi.
1283 ft.

Relative:
Lower

Actual:
211 ft.

EDR US Hist Auto Stat **1015401416**
N/A

3005 GROVE WAY
CASTRO VALLEY, CA 94546

Site 7 of 9 in cluster E

EDR Historical Auto Stations:

Name: GROVE WAY CHEVRON
Year: 1999
Address: 3005 GROVE WAY

Name: GROVE WAY CHEVRON
Year: 2000
Address: 3005 GROVE WAY

Name: GROVE WAY CHEVRON
Year: 2001
Address: 3005 GROVE WAY

Name: GROVE WAY CHEVRON
Year: 2002
Address: 3005 GROVE WAY

Name: GROVE WAY CHEVRON
Year: 2005
Address: 3005 GROVE WAY

Name: GROVE WAY CHEVRON
Year: 2006
Address: 3005 GROVE WAY

Name: GROVE WAY CHEVRON
Year: 2007
Address: 3005 GROVE WAY

Name: GROVE WAY CHEVRON
Year: 2008
Address: 3005 GROVE WAY

Name: GROVE WAY CHEVRON
Year: 2009
Address: 3005 GROVE WAY

Name: GROVE WAY CHEVRON
Year: 2010
Address: 3005 GROVE WAY

Name: GROVE WAY CHEVRON
Year: 2011
Address: 3005 GROVE WAY

Name: GROVE WAY CHEVRON
Year: 2012
Address: 3005 GROVE WAY

E24 **CHEVRON STATION NO 93283** **RCRA-SQG** **1005904338**
SSE **3005 GROVE WAY** **FINDS** **CAR000121483**
1/8-1/4 **CASTRO VALLEY, CA 94546** **UST**
0.243 mi. **HAZNET**
1283 ft. **Site 8 of 9 in cluster E**

Relative:
Lower

Actual:
211 ft.

RCRA-SQG:

Date form received by agency:	05/16/2002
Facility name:	CHEVRON STATION NO 93283
Facility address:	3005 GROVE WAY CASTRO VALLEY, CA 945466703
EPA ID:	CAR000121483
Mailing address:	P O BOX 6004 SAN RAMON, CA 94583
Contact:	KATHY NORRIS
Contact address:	P O BOX 6004 SAN RAMON, CA 94583
Contact country:	US
Contact telephone:	(925) 842-5931
Contact email:	Not reported
EPA Region:	09
Classification:	Small Small Quantity Generator
Description:	Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:

Owner/operator name:	CHEVRON PRODUCTS CO
Owner/operator address:	P O BOX 6004 SAN RAMON, CA 94583
Owner/operator country:	Not reported
Owner/operator telephone:	(925) 842-5931
Legal status:	Private
Owner/Operator Type:	Owner
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Handler Activities Summary:

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

Hazardous Waste Summary:

Waste code:	D001

CHEVRON STATION NO 93283 (Continued) **1005904338**

Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

Waste code: D018
Waste name: BENZENE

Violation Status: No violations found

FINDS:

Registry ID: 110012543550

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.

UST:
Facility ID: 01-000-062418
Latitude: 37.69024
Longitude: -122.06155

ALAMEDA CO. UST:
Facility ID: FA0301428
Program Element: 4103
Facility Status: 01
Description: UST - 3
Inspection Date: 07/23/2013
Closed: Not reported
Owner Name: CHEVRON PRODUCTS COMPANY

HAZNET:
Year: 2012
Gepaid: CAR000121483
Contact: KATHY NORRIS-SLUSHER
Telephone: 8773866044
Mailing Name: Not reported
Mailing Address: PO BOX 6004
Mailing City,St,Zip: SAN RAMON, CA 945830000
Gen County: Alameda
TSD EPA ID: CAD044429835
TSD County: Los Angeles

CHEVRON STATION NO 93283 (Continued) **1005904338**

Waste Category: Not reported
Disposal Method: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.0175
Facility County: Alameda

Year: 2012
Gepaid: CAR000121483
Contact: KATHY NORRIS-SLUSHER
Telephone: 8773866044
Mailing Name: Not reported
Mailing Address: PO BOX 6004
Mailing City,St,Zip: SAN RAMON, CA 945830000
Gen County: Alameda
TSD EPA ID: CAD044429835
TSD County: Los Angeles
Waste Category: Not reported
Disposal Method: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.119
Facility County: Alameda

Year: 2012
Gepaid: CAR000121483
Contact: KATHY NORRIS-SLUSHER
Telephone: 8773866044
Mailing Name: Not reported
Mailing Address: PO BOX 6004
Mailing City,St,Zip: SAN RAMON, CA 945830000
Gen County: Alameda
TSD EPA ID: CAD982444481
TSD County: San Bernardino
Waste Category: Not reported
Disposal Method: Other Treatment
Tons: 0.0425
Facility County: Alameda

Year: 2012
Gepaid: CAR000121483
Contact: KATHY NORRIS-SLUSHER
Telephone: 8773866044
Mailing Name: Not reported
Mailing Address: PO BOX 6004
Mailing City,St,Zip: SAN RAMON, CA 945830000
Gen County: Alameda
TSD EPA ID: CAD044429836
TSD County: Not reported
Waste Category: Not reported
Disposal Method: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.01
Facility County: Alameda

Year: 2012
Gepaid: CAR000121483
Contact: KATHY NORRIS-SLUSHER
Telephone: 8773866044

CHEVRON STATION NO 93283 (Continued) **1005904338**

Mailing Name:	Not reported
Mailing Address:	PO BOX 6004
Mailing City,St,Zip:	SAN RAMON, CA 945830000
Gen County:	Alameda
TSD EPA ID:	CAD044429836
TSD County:	Not reported
Waste Category:	Not reported
Disposal Method:	Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.068
Facility County:	Alameda

Click this hyperlink while viewing on your computer to access
20 additional CA_HAZNET: record(s) in the EDR Site Report.

E25 **CHEVRON #9-3283** **LUST** **S108418293**
SSE **3005 GROVE WAY** **Alameda County CS** **N/A**
1/8-1/4 **CASTRO VALLEY, CA 94546**
0.243 mi.
1283 ft. **Site 9 of 9 in cluster E**

Relative:
Lower

Actual:
211 ft.

LUST:

Region:	STATE
Global Id:	T0600165882
Latitude:	37.689807
Longitude:	-122.061725
Case Type:	LUST Cleanup Site
Status:	Completed - Case Closed
Status Date:	01/05/2007
Lead Agency:	ALAMEDA COUNTY LOP
Case Worker:	BC
Local Agency:	ALAMEDA COUNTY LOP
RB Case Number:	NA
LOC Case Number:	RO0002607
File Location:	Stored electronically as an E-file
Potential Media Affect:	Other Groundwater (uses other than drinking water)
Potential Contaminants of Concern:	Gasoline
Site History:	Not reported

Click here to access the California GeoTracker records for this facility:

Contact:

Global Id:	T0600165882
Contact Type:	Local Agency Caseworker
Contact Name:	BARNEY CHAN
Organization Name:	ALAMEDA COUNTY LOP
Address:	1131 HARBOR BAY PARKWAY
City:	ALAMEDA
Email:	Not reported
Phone Number:	5105676765

Global Id:	T0600165882
Contact Type:	Regional Board Caseworker
Contact Name:	Cherie McCaulou
Organization Name:	SAN FRANCISCO BAY RWQCB (REGION 2)
Address:	1515 CLAY STREET, SUITE 1400
City:	OAKLAND
Email:	cmccaulou@waterboards.ca.gov

CHEVRON #9-3283 (Continued) **S108418293**

Phone Number: Not reported

Status History:
Global Id: T0600165882
Status: Completed - Case Closed
Status Date: 01/05/2007

Global Id: T0600165882
Status: Open - Case Begin Date
Status Date: 12/23/2003

Global Id: T0600165882
Status: Open - Site Assessment
Status Date: 03/23/2004

Regulatory Activities:
Global Id: T0600165882
Action Type: Other
Date: 01/01/1950
Action: Leak Reported

Global Id: T0600165882
Action Type: Other
Date: 01/01/1950
Action: Leak Discovery

Global Id: T0600165882
Action Type: ENFORCEMENT
Date: 03/30/2004
Action: Notice of Responsibility - #0

Global Id: T0600165882
Action Type: REMEDIATION
Date: 01/01/1950
Action: Not reported

Alameda County CS:
Status: Leak Confirmation
Record Id: RO0002607
PE: 5602

Status: Case Closed
Record Id: RO0002607
PE: 5602

F26 **UPPER GROVE WAY AUTO REPAIR** **HIST CORTESE** **S101580195**
South **2932 GROVE WAY** **LUST** **N/A**
1/4-1/2 **CASTRO VALLEY, CA 94546** **CA FID UST**
0.270 mi. **SWEEPS UST**
1423 ft. **Site 1 of 2 in cluster F**

Relative:
Lower

Actual:
208 ft.

CORTESE:
Region: CORTESE
Facility County Code: 1
Reg By: LTNKA

UPPER GROVE WAY AUTO REPAIR (Continued) **S101580195**

Reg Id: 01-1656

LUST:
Region: STATE
Global Id: T0600101531
Latitude: 37.6895106
Longitude: -122.0631952
Case Type: LUST Cleanup Site
Status: Completed - Case Closed
Status Date: 04/06/1994
Lead Agency: SAN FRANCISCO BAY RWQCB (REGION 2)
Case Worker: CCM
Local Agency: Not reported
RB Case Number: 01-1656
LOC Case Number: 2631
File Location: Not reported
Potential Media Affect: Under Investigation
Potential Contaminants of Concern: Gasoline
Site History: Not reported

Click here to access the California GeoTracker records for this facility:

Contact:
Global Id: T0600101531
Contact Type: Regional Board Caseworker
Contact Name: Cherie McCaulou
Organization Name: SAN FRANCISCO BAY RWQCB (REGION 2)
Address: 1515 CLAY STREET, SUITE 1400
City: OAKLAND
Email: cmccaulou@waterboards.ca.gov
Phone Number: Not reported

Status History:
Global Id: T0600101531
Status: Completed - Case Closed
Status Date: 04/06/1994

Global Id: T0600101531
Status: Open - Case Begin Date
Status Date: 06/17/1993

Regulatory Activities:
Global Id: T0600101531
Action Type: Other
Date: 01/01/1950
Action: Leak Reported

Global Id: T0600101531
Action Type: Other
Date: 01/01/1950
Action: Leak Stopped

Global Id: T0600101531
Action Type: Other
Date: 01/01/1950
Action: Leak Discovery

UPPER GROVE WAY AUTO REPAIR (Continued) **S101580195**

CA FID UST:
Facility ID: 01001731
Regulated By: UTNKA
Regulated ID: Not reported
Cortese Code: Not reported
SIC Code: Not reported
Facility Phone: 4155374438
Mail To: Not reported
Mailing Address: 2932 GROVE WAY
Mailing Address 2: Not reported
Mailing City,St,Zip: CASTRO VALLEY 94540
Contact: Not reported
Contact Phone: Not reported
DUNs Number: Not reported
NPDES Number: Not reported
EPA ID: Not reported
Comments: Not reported
Status: Active

SWEEPS UST:
Status: Not reported
Comp Number: 550
Number: Not reported
Board Of Equalization: 44-000004
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Tank Status: Not reported
Owner Tank Id: Not reported
Swrcb Tank Id: 01-000-000550-000001
Actv Date: Not reported
Capacity: 3000
Tank Use: M.V. FUEL
Stg: PRODUCT
Content: REG UNLEADED
Number Of Tanks: 1

F27 **UPPER GROVE WAY AUTO REPAIR** **LUST** **S102429677**
South **2932 GROVE WY** **N/A**
1/4-1/2 **CASTRO VALLEY, CA 94546**
0.270 mi.
1423 ft. **Site 2 of 2 in cluster F**

Relative:
Lower

Actual:
208 ft.

LUST REG 2:
Region: 2
Facility Id: 01-1656
Facility Status: Case Closed
Case Number: 2631
How Discovered: Tank Closure
Leak Cause: UNK
Leak Source: UNK
Date Leak Confirmed: Not reported
Oversight Program: LUST
Prelim. Site Assesment Wokplan Submitted: Not reported
Preliminary Site Assesment Began: Not reported
Pollution Characterization Began: Not reported
Pollution Remediation Plan Submitted: Not reported

UPPER GROVE WAY AUTO REPAIR (Continued) **S102429677**

Date Remediation Action Underway: Not reported
Date Post Remedial Action Monitoring Began: Not reported

---

28 South 1/4-1/2 0.305 mi. 1612 ft.

ARCO #2152
22141 CENTER ST
CASTRO VALLEY, CA 94546

HIST CORTESE **S103642845**
LUST **N/A**
Alameda County CS
SWEEPS UST

Relative: Lower

Actual: 208 ft.

CORTESE:

Region:	CORTESE
Facility County Code:	1
Reg By:	LTNKA
Reg Id:	01-0095

LUST:

Region:	STATE
Global Id:	T0600100087
Latitude:	37.6897116
Longitude:	-122.0623235
Case Type:	LUST Cleanup Site
Status:	Completed - Case Closed
Status Date:	08/30/1996
Lead Agency:	ALAMEDA COUNTY LOP
Case Worker:	SOS
Local Agency:	ALAMEDA COUNTY LOP
RB Case Number:	01-0095
LOC Case Number:	RO0000782
File Location:	Stored electronically as an E-file
Potential Media Affect:	Other Groundwater (uses other than drinking water)
Potential Contaminants of Concern:	Gasoline
Site History:	Not reported

Click here to access the California GeoTracker records for this facility:

Contact:

Global Id:	T0600100087
Contact Type:	Local Agency Caseworker
Contact Name:	SCOTT SEERY
Organization Name:	ALAMEDA COUNTY LOP
Address:	1131 HARBOR BAY PARKWAY
City:	ALAMEDA
Email:	Not reported
Phone Number:	Not reported

Global Id:	T0600100087
Contact Type:	Regional Board Caseworker
Contact Name:	Cherie McCaulou
Organization Name:	SAN FRANCISCO BAY RWQCB (REGION 2)
Address:	1515 CLAY STREET, SUITE 1400
City:	OAKLAND
Email:	cmccaulou@waterboards.ca.gov
Phone Number:	Not reported

Status History:

Global Id:	T0600100087
Status:	Completed - Case Closed

ARCO #2152 (Continued) **S103642845**

Status Date: 08/30/1996

Global Id: T0600100087
Status: Open - Case Begin Date
Status Date: 08/17/1989

Regulatory Activities:
Global Id: T0600100087
Action Type: Other
Date: 01/01/1950
Action: Leak Reported

Global Id: T0600100087
Action Type: REMEDIATION
Date: 01/01/1950
Action: Excavation

LUST REG 2:
Region: 2
Facility Id: 01-0095
Facility Status: Case Closed
Case Number: 3943
How Discovered: Tank Closure
Leak Cause: Structure Failure
Leak Source: Tank
Date Leak Confirmed: Not reported
Oversight Program: LUST
Prelim. Site Assesment Wokplan Submitted: 4/9/1990
Preliminary Site Assesment Began: 6/14/1990
Pollution Characterization Began: 7/17/1992
Pollution Remediation Plan Submitted: 3/1/1993
Date Remediation Action Underway: Not reported
Date Post Remedial Action Monitoring Began: Not reported

Alameda County CS:
Status: Case Closed
Record Id: RO0000782
PE: 5602

SWEEPS UST:
Status: Active
Comp Number: 27026
Number: 1
Board Of Equalization: 44-000506
Referral Date: 05-12-92
Action Date: 03-12-93
Created Date: 02-29-88
Tank Status: A
Owner Tank Id: 1-UNL-R
Swrcb Tank Id: 01-000-027026-000001
Actv Date: 05-12-92
Capacity: 12000
Tank Use: M.V. FUEL
Stg: P

ARCO #2152 (Continued) **S103642845**

Content: REG UNLEADED
Number Of Tanks: 3

Status: Active
Comp Number: 27026
Number: 1
Board Of Equalization: 44-000506
Referral Date: 05-12-92
Action Date: 03-12-93
Created Date: 02-29-88
Tank Status: A
Owner Tank Id: 2-UNL-R
Swrcb Tank Id: 01-000-027026-000002
Actv Date: 05-12-92
Capacity: 12000
Tank Use: M.V. FUEL
Stg: P
Content: REG UNLEADED
Number Of Tanks: Not reported

Status: Active
Comp Number: 27026
Number: 1
Board Of Equalization: 44-000506
Referral Date: 05-12-92
Action Date: 03-12-93
Created Date: 02-29-88
Tank Status: A
Owner Tank Id: 3-UNL-P
Swrcb Tank Id: 01-000-027026-000003
Actv Date: 05-12-92
Capacity: 12000
Tank Use: M.V. FUEL
Stg: P
Content: PRM UNLEADED
Number Of Tanks: Not reported

29
West
1/4-1/2
0.415 mi.
2191 ft.

RUDY'S DONUT SHOP **HIST CORTESE** **S103472186**
3692 CASTRO VALLEY BLVD **LUST** **N/A**
CASTRO VALLEY, CA 94546 **Alameda County CS**

Relative:
Lower

Actual:
179 ft.

CORTESE:
Region: CORTESE
Facility County Code: 1
Reg By: LTNKA
Reg Id: 01-1267

LUST:
Region: STATE
Global Id: T0600101164
Latitude: 37.694939
Longitude: -122.070458
Case Type: LUST Cleanup Site
Status: Completed - Case Closed
Status Date: 01/07/1997

RUDY'S DONUT SHOP (Continued) **S103472186**

Lead Agency:	ALAMEDA COUNTY LOP
Case Worker:	AL
Local Agency:	ALAMEDA COUNTY LOP
RB Case Number:	01-1267
LOC Case Number:	RO0000843
File Location:	Stored electronically as an E-file
Potential Media Affect:	Soil
Potential Contaminants of Concern:	Gasoline
Site History:	Not reported

Click here to access the California GeoTracker records for this facility:

Contact:

Global Id:	T0600101164
Contact Type:	Local Agency Caseworker
Contact Name:	AMY LEECH
Organization Name:	ALAMEDA COUNTY LOP
Address:	1131 HARBOR BAY PARKWAY
City:	ALAMEDA
Email:	Not reported
Phone Number:	Not reported

Global Id:	T0600101164
Contact Type:	Regional Board Caseworker
Contact Name:	Cherie McCaulou
Organization Name:	SAN FRANCISCO BAY RWQCB (REGION 2)
Address:	1515 CLAY STREET, SUITE 1400
City:	OAKLAND
Email:	cmccaulou@waterboards.ca.gov
Phone Number:	Not reported

Status History:

Global Id:	T0600101164
Status:	Completed - Case Closed
Status Date:	01/07/1997

Global Id:	T0600101164
Status:	Open - Case Begin Date
Status Date:	11/28/1988

Regulatory Activities:

Global Id:	T0600101164
Action Type:	Other
Date:	01/01/1950
Action:	Leak Reported

Global Id:	T0600101164
Action Type:	REMEDIATION
Date:	01/01/1950
Action:	Excavation

LUST REG 2:

Region:	2
Facility Id:	01-1267
Facility Status:	Case Closed

RUDY'S DONUT SHOP (Continued) **S103472186**

Case Number: 4256
How Discovered: Tank Closure
Leak Cause: Structure Failure
Leak Source: Tank
Date Leak Confirmed: Not reported
Oversight Program: LUST
Prelim. Site Assesment Wokplan Submitted: Not reported
Preliminary Site Assesment Began: Not reported
Pollution Characterization Began: Not reported
Pollution Remediation Plan Submitted: Not reported
Date Remediation Action Underway: Not reported
Date Post Remedial Action Monitoring Began: Not reported

Alameda County CS:
Status: Case Closed
Record Id: RO0000843
PE: 5602

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30 **ANTHONYS AUTO SERVICE** **HIST CORTESE** **S101579939**
NNE **19592 CENTER ST** **LUST** **N/A**
1/4-1/2 **CASTRO VALLEY, CA 94546** **CA FID UST**
0.491 mi. **Alameda County CS**
2592 ft.

Relative:
Higher

Actual:
258 ft.

CORTESE:
Region: CORTESE
Facility County Code: 1
Reg By: LTNKA
Reg Id: 01-0083

LUST:
Region: STATE
Global Id: T0600100076
Latitude: 37.7012381365238
Longitude: -122.060894966125
Case Type: LUST Cleanup Site
Status: Open - Eligible for Closure
Status Date: 10/07/2008
Lead Agency: ALAMEDA COUNTY LOP
Case Worker: TLK
Local Agency: ALAMEDA COUNTY LOP
RB Case Number: 01-0083
LOC Case Number: RO0000478
File Location: Stored electronically as an E-file
Potential Media Affect: Other Groundwater (uses other than drinking water)
Potential Contaminants of Concern: Gasoline
Site History: Not all historic documents for the fuel leak case may be available on GeoTracker. A more complete historic case file for this site is located on the Alameda County Environmental Health website at: http://ehgis.acgov.org/dehpublic/dehpublic.jsp. On July 12, 1990, Tank Protect Engineering (TPE) removed one 4,000-gallon, two 3,000-gallon steel gasoline underground storage tanks (USTs), and one 250-gallon waste oil tank. Approximately 250 cubic yards of soil was excavated and stockpiled as a result of the UST removals. During the tank removals, TPE observed that native soil in the excavation pit was discolored and emitted a hydrocarbons odor indicating that an unauthorized release had occurred. An Unauthorized Release Report was

ANTHONYS AUTO SERVICE (Continued) **S101579939**

filed on August 8, 1990. Seven soil samples were collected following the UST removals. Soil sample analytical results detected TPH-g and benzene at concentrations as high as 3,200 mg/kg and 12 mg/kg, respectively. To characterize the site, TPE conducted an onsite subsurface utility survey, installed seven borings of which three were converted to groundwater monitoring wells, over-excavated the UST pit and collected 11 confirmation soil samples, remediated approximately 450 cubic yards of stockpiled soil, backfilled two excavation pits, and sampled three groundwater monitoring wells. In August 16, 1990, four borings (SB-1 through SB-4) were installed to a depth of 35 feet bgs. Soil sample analytical results detected TPH-g and benzene at maximum concentrations of 15 mg/kg and 0.0073 mg/kg, respectively. During the week of November 5, 1990, TPE over-excavated the excavation pit until field screening indicated that all contaminated soil had been excavated from the sidewalls and base. Soil sample analytical results did not detect TPH-g above the laboratory detection limit of <1.0 mg/kg and detected benzene at maximum concentrations of 0.0092 mg/kg. TPE remediated the stockpiled soil by oxidizing the hydrocarbons with a hydrogen peroxide solution. The contaminated soil was spread 8 to 16-inches thick over a layer of plastic. The soil was treated by applying several doses of the hydrogen peroxide solution with a sprayer while the soil was being turned with a backhoe. The stockpiled remediation confirmation soil samples did not detect TPH-g above the laboratory detection limit of <1.0 mg/kg and detected benzene at maximum concentrations of 0.17 mg/kg. Based on the analytical results, ACEH verbally approved backfilling the fuel and waste oil excavations during the week of January 21, 1991. Approximately 50 cubic yards of aggregate base was placed in the excavation followed by approximately 440 cubic yards of compacted, remediated stockpiled soil, to the ground surface. Approximately 10 cubic yards of compacted, remediated stockpiled soil was placed in the waste oil excavation. The exploratory borings for the three groundwater monitoring wells were drilled to total depths ranging from 39.5 to 49.5 feet bgs. Groundwater sample analytical results detected TPH-g at a maximum concentration of 160 g/L and did not detected benzene above the laboratory detection limit of <0.30 g/L. Interference was detected in the gasoline analysis. A scan conducted by Sequoia Analytical identified the compound as iso-Octane, a hydrocarbon that may be used in motor fuel of as a solvent and thinner. Five quarters of consecutive groundwater sampling was conducted at the site.

Click here to access the California GeoTracker records for this facility:

Contact:

Global Id:	T0600100076
Contact Type:	Local Agency Caseworker
Contact Name:	MARK DETTERMAN
Organization Name:	ALAMEDA COUNTY LOP
Address:	1131 HARBOR BAY PARKWAY
City:	ALAMEDA
Email:	mark.detterman@acgov.org
Phone Number:	5105676876

Global Id:	T0600100076
Contact Type:	Regional Board Caseworker
Contact Name:	Cherie McCaulou
Organization Name:	SAN FRANCISCO BAY RWQCB (REGION 2)

ANTHONYS AUTO SERVICE (Continued) **S101579939**

Address: 1515 CLAY STREET, SUITE 1400
City: OAKLAND
Email: cmccaulou@waterboards.ca.gov
Phone Number: Not reported

Status History:
Global Id: T0600100076
Status: Open - Case Begin Date
Status Date: 07/17/1990

Global Id: T0600100076
Status: Open - Eligible for Closure
Status Date: 10/07/2008

Global Id: T0600100076
Status: Open - Verification Monitoring
Status Date: 03/01/1991

Regulatory Activities:
Global Id: T0600100076
Action Type: RESPONSE
Date: 05/29/2012
Action: Well Destruction Report

Global Id: T0600100076
Action Type: Other
Date: 01/01/1950
Action: Leak Reported

Global Id: T0600100076
Action Type: ENFORCEMENT
Date: 11/18/2010
Action: Notification - Public Notice of Case Closure - #20101118

Global Id: T0600100076
Action Type: RESPONSE
Date: 07/19/1991
Action: Site Assessment Report

Global Id: T0600100076
Action Type: RESPONSE
Date: 02/03/2013
Action: Electronic Reporting Submittal Due

Global Id: T0600100076
Action Type: RESPONSE
Date: 03/03/2013
Action: Well Destruction Report

Global Id: T0600100076
Action Type: ENFORCEMENT
Date: 01/05/2000
Action: Notice of Violation - #unk

Global Id: T0600100076
Action Type: ENFORCEMENT

ANTHONYS AUTO SERVICE (Continued) **S101579939**

Date: 07/03/2008
Action: Technical Correspondence / Assistance / Other - #20080703

Global Id: T0600100076
Action Type: ENFORCEMENT
Date: 10/07/2008
Action: Technical Correspondence / Assistance / Other - #20081007

Global Id: T0600100076
Action Type: ENFORCEMENT
Date: 01/03/2013
Action: Notice of Violation - #20130103

Global Id: T0600100076
Action Type: ENFORCEMENT
Date: 06/02/2011
Action: Notification - Fee Title Owners Notice - #20110602

Global Id: T0600100076
Action Type: ENFORCEMENT
Date: 02/25/2011
Action: Notice of Violation - #20110225

Global Id: T0600100076
Action Type: RESPONSE
Date: 03/28/2011
Action: Electronic Reporting Submittal Due

Global Id: T0600100076
Action Type: RESPONSE
Date: 09/17/1990
Action: Soil and Water Investigation Workplan

Global Id: T0600100076
Action Type: RESPONSE
Date: 05/16/1990
Action: Correspondence

Global Id: T0600100076
Action Type: RESPONSE
Date: 10/21/1993
Action: Soil and Water Investigation Report

Global Id: T0600100076
Action Type: ENFORCEMENT
Date: 07/24/2009
Action: Notice of Violation - #20090724

Global Id: T0600100076
Action Type: ENFORCEMENT
Date: 12/27/1989
Action: Staff Letter

Global Id: T0600100076
Action Type: ENFORCEMENT
Date: 06/02/2011
Action: Staff Letter - #20110602

ANTHONYS AUTO SERVICE (Continued) **S101579939**

Global Id: T0600100076
Action Type: Other
Date: 01/01/1950
Action: Leak Discovery

Global Id: T0600100076
Action Type: ENFORCEMENT
Date: 07/24/2009
Action: Staff Letter - #20090724

Global Id: T0600100076
Action Type: ENFORCEMENT
Date: 03/28/2012
Action: Notice of Violation - #20120328

Global Id: T0600100076
Action Type: RESPONSE
Date: 09/02/2011
Action: Well Destruction Report

Global Id: T0600100076
Action Type: REMEDIATION
Date: 01/01/1950
Action: Excavation

Global Id: T0600100076
Action Type: RESPONSE
Date: 04/28/2012
Action: Electronic Reporting Submittal Due

LUST REG 2:
Region: 2
Facility Id: 01-0083
Facility Status: Preliminary site assessment underway
Case Number: 2517
How Discovered: Tank Closure
Leak Cause: Structure Failure
Leak Source: Tank
Date Leak Confirmed: Not reported
Oversight Program: LUST
Prelim. Site Assesment Wokplan Submitted: 9/21/1990
Preliminary Site Assesment Began: 3/29/1991
Pollution Characterization Began: Not reported
Pollution Remediation Plan Submitted: Not reported
Date Remediation Action Underway: Not reported
Date Post Remedial Action Monitoring Began: Not reported

CA FID UST:
Facility ID: 01000202
Regulated By: UTNKI
Regulated ID: Not reported
Cortese Code: Not reported
SIC Code: Not reported
Facility Phone: 4155381288
Mail To: Not reported

ANTHONYS AUTO SERVICE (Continued) **S101579939**

Mailing Address: 19592 CENTER ST
Mailing Address 2: Not reported
Mailing City,St,Zip: CASTRO VALLEY 94546
Contact: Not reported
Contact Phone: Not reported
DUNs Number: Not reported
NPDES Number: Not reported
EPA ID: Not reported
Comments: Not reported
Status: Inactive

Alameda County CS:
Status: Verificaiton Monitoring Underway
Record Id: RO0000478
PE: 5602

31
WNW
1/2-1
0.602 mi.
3181 ft.

Relative:
Lower

Actual:
183 ft.

MARSHALL STEEL CLEANERS
20457 REDWOOD ROAD
CASTRO VALLEY, CA

RCRA-SQG **1000381412**
FINDS **CAD981640741**
Cortese
LIENS
RESPONSE
HAZNET
EMI
ENVIROSTOR

RCRA-SQG:
Date form received by agency: 09/01/1996
Facility name: MARSHALL STEEL CLEANERS
Facility address: 20457 REDWOOD RD
CASTRO VALLEY, CA 94546
EPA ID: CAD981640741
Contact: Not reported
Contact address: Not reported
Not reported
Contact country: Not reported
Contact telephone: Not reported
Contact email: Not reported
EPA Region: 09
Classification: Small Small Quantity Generator
Description: Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:
Owner/operator name: NOT REQUIRED
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: (415) 555-1212
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: HOWARD W KELLY & SON INC

MARSHALL STEEL CLEANERS (Continued) **1000381412**

Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: (415) 555-1212
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

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

Historical Generators:
Date form received by agency: 01/07/1987
Facility name: MARSHALL STEEL CLEANERS
Classification: Large Quantity Generator

Violation Status: No violations found

FINDS:

Registry ID: 110002430227

Environmental Interest/Information System

California Department of Toxic Substances Control EnviroStor System (DTSC-EnviroStor) is an online search and Geographic Information System (GIS) tool for identifying sites that have known contamination or sites for which there may be reasons to investigate further. The EnviroStor 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.

The NEI (National Emissions Inventory) database contains information on stationary and mobile sources that emit criteria air pollutants and their precursors, as well as hazardous air pollutants (HAPs).

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.

MARSHALL STEEL CLEANERS (Continued) **1000381412**

CRITERIA AND HAZARDOUS AIR POLLUTANT INVENTORY

CORTESE:

Region:	CORTESE
Envirostor Id:	60000250
Site/Facility Type:	STATE RESPONSE
Cleanup Status:	ACTIVE
Status Date:	03/16/2006
Site Code:	201654
Latitude:	37.696899
Longitude:	-122.07447
Owner:	Not reported
Enf Type:	Not reported
Swat R:	Not reported
Flag:	export
Order No:	Not reported
Waste Discharge System No:	Not reported
Effective Date:	Not reported
Region 2:	Not reported
WID Id:	Not reported
Solid Waste Id No:	Not reported
Waste Management Uit Name:	Not reported

LIENS:

Envirostor Id:	60000250
Latitude:	37.696899
Longitude:	-122.07447
Project Mgr:	HOMAYUNE ATIQEE
Project Code:	201654
If Satisfied:	Not reported
Date Satisfied:	Not reported
Site Status:	Active
Site Type:	CSITES
Completed:	11/01/2012
Description:	Dry cleaning operation since at least 1974, using perchloroethylene. Initially using a 30-pound capacity unit, in 1975, this was replaced with a 60-pound capacity unit. These units were served by a filter and carbon reclaimer. The reclaimer would recover solvent for reuse. The filter unit would generate filter powder residue. In 1981, the reclaimer was replaced with a larger unit. In 1991, filter and reclaimer were replaced with a closed loop non-vented unit and secondary containment was installed.

RESPONSE:

Facility ID:	60000250
Site Type:	State Response
Site Type Detail:	State Response or NPL
Acres:	0.25
National Priorities List:	NO
Cleanup Oversight Agencies:	SMBRP
Lead Agency:	SMBRP
Lead Agency Description:	DTSC - Site Cleanup Program
Project Manager:	Homayune Atiqee
Supervisor:	Karen Toth
Division Branch:	Cleanup Berkeley

MARSHALL STEEL CLEANERS (Continued) **1000381412**

Site Code:	201654
Site Mgmt. Req.:	NONE SPECIFIED
Assembly:	20
Senate:	10
Special Program Status:	Not reported
Status:	Active
Status Date:	03/16/2006
Restricted Use:	NO
Funding:	Orphan Funds
Latitude:	37.69689
Longitude:	-122.0744
APN:	084A-0080-011-09, 084A008001109
Past Use:	DRY CLEANING
Potential COC:	Tetrachloroethylene (PCE
Confirmed COC:	Tetrachloroethylene (PCE, 30022-NO
Potential Description:	OTH, SOIL, SV
Alias Name:	084A-0080-011-09
Alias Type:	APN
Alias Name:	084A008001109
Alias Type:	APN
Alias Name:	110002430227
Alias Type:	EPA (FRS #)
Alias Name:	201654
Alias Type:	Project Code (Site Code)
Alias Name:	60000250
Alias Type:	Envirostor ID Number

Completed Info:

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Annual Oversight Cost Estimate
Completed Date:	10/30/2012
Comments:	Annual DTSC oversight cost estimate mailed to responsible parties.
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	State/Federal Funded Site Contract
Completed Date:	11/27/2012
Comments:	Contract for extending the term of the remedial investigation contract through December 2013 fully-executed.
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Final Determination of Non-Compliance
Completed Date:	09/01/2010
Comments:	A notice of final determination of non-compliance with imminent and substantial endangerment determination and order and remedial action order was sent to the rp.
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	State/Federal Funded Site Work Order
Completed Date:	12/06/2011
Comments:	Work order for URS to conduct a remedial investigation at the site approved by DTSC.
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported

MARSHALL STEEL CLEANERS (Continued) **1000381412**

Completed Document Type: State/Federal Funded Site Contract Fiscal Approval (CFA)
Completed Date: 10/17/2011
Comments: CFA for Remedial Investigation activities at Marshall Steel Cleaners approved.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Access Agreement
Completed Date: 02/22/2012
Comments: access agreement fully executed.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Proposed Determination of non-compliance
Completed Date: 08/21/2012
Comments: Proposed determination of non compliance mailed to responsible parties.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Letter - Notice
Completed Date: 09/04/2012
Comments: Notice of intent to place lien sent by DTSC to owners of the Marshall Steel Cleaners property.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Letter - Demand
Completed Date: 09/02/2010
Comments: Letter #1

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Letter - Demand
Completed Date: 10/27/2010
Comments: Letter #2

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Letter - Demand
Completed Date: 01/28/2011
Comments: Letter #3

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Lien
Completed Date: 11/01/2012
Comments: Lien in the amount of $116,058 recorded with Alameda County for the Marshall Steel Cleaners property. The lien covers the current cost of DTSC oversight activities at the Marshall Steel Cleaners site.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 03/02/2007
Comments: Okayed by Branch Chief 3/2/2007.

MARSHALL STEEL CLEANERS (Continued) **1000381412**

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Workplan
Completed Date: 05/01/2007
Comments: Preliminary GW sampling and analysis plan approved with modifications.
Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Investigation Workplan
Completed Date: 07/17/2007
Comments: RIFS workplan approved with modifications.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fieldwork
Completed Date: 05/10/2007
Comments: Field work completed 5/10/2007.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Workplan
Completed Date: 05/03/2007
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 06/04/2007
Comments: RP sampled MW6 and MW7 downgradient of site. Ground water from these wells was last analyzed for PCE and its degradation products in March 1993 (PCE at 3700 ppb and TCE ad 210 ppb). The May 2007 results showed PCE at a maximum of 1100 ppb and TCE at a maximum of 49 ppb.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fieldwork
Completed Date: 08/17/2007
Comments: First phase of soil, soil vapor, and ground water sampling completed. Additional sampling anticipated.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Characterization Report
Completed Date: 08/28/2008
Comments: Revised RI approved with a requested modification. Workplan for additional investigation forthcoming.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Investigation Workplan
Completed Date: 04/06/2012
Comments: URS workplan for sampling of soil, soil gas, indoor air, and groundwater at the site approved by DTSC. Samples will be collected to delineate the extent of PCE contamination at the site.

Completed Area Name: PROJECT WIDE

MARSHALL STEEL CLEANERS (Continued) **1000381412**

Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 10/06/2009
Comments: GW monitoring report approved.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 10/06/2009
Comments: GW monitoring report approved.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 10/06/2009
Comments: GW monitoring report approved. Data indicate PCE concentrations in well MW-7 decreasing.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Characterization Report
Completed Date: 10/06/2009
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 10/06/2009
Comments: GW monitoring report approved. Data indicate PCE concentrations in well MW-7 decreasing.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: *Correspondence - Received
Completed Date: 08/31/2010
Comments: Response to proposed determination of non compliance.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 10/12/2011
Comments: Groundwater Monitoring Report submitted by consultant for property owner. Data is consistent with previous sampling events.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: State/Federal Funded Site Contract
Completed Date: 11/21/2011
Comments: DTSC contract with URS to perform remedial investigation of the site is fully executed.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 12/31/2010
Comments: Resend of November 9, 2010 letter regarding compliance with the order. Not reported

MARSHALL STEEL CLEANERS (Continued) **1000381412**

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Proposed Determination of non-compliance
Completed Date: 05/11/2010
Comments: NOTICE OF PROPOSED DETERMINATION OF NON-COMPLIANCE WITH ORDER, DOCKET NUMBER 06/07-015.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Litigation Support
Completed Date: 03/25/2011
Comments: Collection Activities Summary Form 1479

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: State/Federal Funded Site Work Order
Completed Date: 07/25/2012
Comments: Stop work order since work is indefinitely on hold due to enforcement issues

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 11/09/2010
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Letter - Demand
Completed Date: 04/01/2011
Comments: Letter requesting financial information regarding the Shopping Center Trust

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: State/Federal Funded Site Contract Fiscal Approval (CFA)
Completed Date: 10/30/2012
Comments: CFA for extension of the remedial investigation contract approved.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Amendment - Order/Agreement
Completed Date: 07/31/2013
Comments: Imminent and Substantial Endangerment Order reissued to responsible parties.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 07/30/2013
Comments: DTSC contract with URS terminated.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Unilateral Order (I/SE, RAO, CAO, EPA AO)
Completed Date: 03/27/2007
Comments: Order issued

MARSHALL STEEL CLEANERS (Continued) **1000381412**

Future Area Name:	PROJECT WIDE
Future Sub Area Name:	Not reported
Future Document Type:	CEQA - Initial Study/ Neg. Declaration
Future Due Date:	2015
Future Area Name:	PROJECT WIDE
Future Sub Area Name:	Not reported
Future Document Type:	Certification
Future Due Date:	2015
Future Area Name:	PROJECT WIDE
Future Sub Area Name:	Not reported
Future Document Type:	Access Agreement
Future Due Date:	2014
Future Area Name:	PROJECT WIDE
Future Sub Area Name:	Not reported
Future Document Type:	Access Agreement
Future Due Date:	2014
Future Area Name:	PROJECT WIDE
Future Sub Area Name:	Not reported
Future Document Type:	Removal Action Completion Report
Future Due Date:	2015
Future Area Name:	PROJECT WIDE
Future Sub Area Name:	Not reported
Future Document Type:	Removal Action Workplan
Future Due Date:	2014
Future Area Name:	PROJECT WIDE
Future Sub Area Name:	Not reported
Future Document Type:	Fact Sheets
Future Due Date:	2014
Future Area Name:	PROJECT WIDE
Future Sub Area Name:	Not reported
Future Document Type:	Public Notice
Future Due Date:	2014
Future Area Name:	PROJECT WIDE
Future Sub Area Name:	Not reported
Future Document Type:	Remedial Investigation Report
Future Due Date:	2014
Schedule Area Name:	PROJECT WIDE
Schedule Sub Area Name:	Not reported
Schedule Document Type:	Community Profile
Schedule Due Date:	12/31/2013
Schedule Revised Date:	Not reported

HAZNET:

Year:	2012
Gepaid:	CAD981640741
Contact:	WILLIAM KELLY
Telephone:	5105281340
Mailing Name:	Not reported
Mailing Address:	20457 REDWOOD RD
Mailing City,St,Zip:	CASTRO VALLEY, CA 945460000
Gen County:	Alameda
TSD EPA ID:	TXD077603371
TSD County:	99
Waste Category:	Not reported
Disposal Method:	Fuel Blending Prior To Energy Recovery At Another Site
Tons:	0.13
Facility County:	Alameda

MARSHALL STEEL CLEANERS (Continued) **1000381412**

Year:	2011
Gepaid:	CAD981640741
Contact:	WILLIAM KELLY
Telephone:	5105281340
Mailing Name:	Not reported
Mailing Address:	20457 REDWOOD RD
Mailing City,St,Zip:	CASTRO VALLEY, CA 945460000
Gen County:	Not reported
TSD EPA ID:	CA0000084517
TSD County:	Not reported
Waste Category:	Unspecified solvent mixture
Disposal Method:	Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.1
Facility County:	Alameda

Year:	2010
Gepaid:	CAD981640741
Contact:	WILLIAM KELLY
Telephone:	5105281340
Mailing Name:	Not reported
Mailing Address:	20457 REDWOOD RD
Mailing City,St,Zip:	CASTRO VALLEY, CA 945460000
Gen County:	Not reported
TSD EPA ID:	TXD077603371
TSD County:	Not reported
Waste Category:	Unspecified solvent mixture
Disposal Method:	Fuel Blending Prior To Energy Recovery At Another Site
Tons:	0.1
Facility County:	Alameda

Year:	2009
Gepaid:	CAD981640741
Contact:	WILLIAM KELLY
Telephone:	5105281340
Mailing Name:	Not reported
Mailing Address:	20457 REDWOOD RD
Mailing City,St,Zip:	CASTRO VALLEY, CA 945460000
Gen County:	Not reported
TSD EPA ID:	CA0000084517
TSD County:	Not reported
Waste Category:	Liquids with halogenated organic compounds >= 1,000 Mg./L
Disposal Method:	Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.1
Facility County:	Alameda

Year:	2008
Gepaid:	CAD981640741
Contact:	WILLIAM KELLY
Telephone:	5105281340
Mailing Name:	Not reported
Mailing Address:	20457 REDWOOD RD
Mailing City,St,Zip:	CASTRO VALLEY, CA 945460000
Gen County:	Not reported
TSD EPA ID:	CA0000084517
TSD County:	Not reported

MARSHALL STEEL CLEANERS (Continued) **1000381412**

Waste Category: Liquids with halogenated organic compounds >= 1,000 Mg./L
Disposal Method: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.14
Facility County: Alameda

Click this hyperlink while viewing on your computer to access
16 additional CA_HAZNET: record(s) in the EDR Site Report.

EMI:

Year:	1996
County Code:	1
Air Basin:	SF
Facility ID:	4365
Air District Name:	BA
SIC Code:	7216
Air District Name:	BAY AREA AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0

Year:	1997
County Code:	1
Air Basin:	SF
Facility ID:	4365
Air District Name:	BA
SIC Code:	7216
Air District Name:	BAY AREA AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0

Year:	1999
County Code:	1
Air Basin:	SF
Facility ID:	4365
Air District Name:	BA
SIC Code:	7216
Air District Name:	BAY AREA AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0

MARSHALL STEEL CLEANERS (Continued) **1000381412**

SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0
Year:	2000
County Code:	1
Air Basin:	SF
Facility ID:	4365
Air District Name:	BA
SIC Code:	7216
Air District Name:	BAY AREA AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0
Year:	2003
County Code:	1
Air Basin:	SF
Facility ID:	4365
Air District Name:	BA
SIC Code:	7216
Air District Name:	BAY AREA AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0
Year:	2004
County Code:	1
Air Basin:	SF
Facility ID:	4365
Air District Name:	BA
SIC Code:	7216
Air District Name:	BAY AREA AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0.216
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0
Year:	2005
County Code:	1

MARSHALL STEEL CLEANERS (Continued) **1000381412**

Air Basin:	SF
Facility ID:	4365
Air District Name:	BA
SIC Code:	7216
Air District Name:	BAY AREA AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0

Year:	2006
County Code:	1
Air Basin:	SF
Facility ID:	4365
Air District Name:	BA
SIC Code:	7216
Air District Name:	BAY AREA AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	.155
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0

Year:	2007
County Code:	1
Air Basin:	SF
Facility ID:	4365
Air District Name:	BA
SIC Code:	7216
Air District Name:	BAY AREA AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	.155
Reactive Organic Gases Tons/Yr:	.108283
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0

Year:	2008
County Code:	1
Air Basin:	SF
Facility ID:	4365
Air District Name:	BA
SIC Code:	7216
Air District Name:	BAY AREA AQMD
Community Health Air Pollution Info System:	Not reported

MARSHALL STEEL CLEANERS (Continued) **1000381412**

Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	.551
Reactive Organic Gases Tons/Yr:	.1584
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0

Year:	2009
County Code:	1
Air Basin:	SF
Facility ID:	4365
Air District Name:	BA
SIC Code:	7216
Air District Name:	BAY AREA AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0.155
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0

Year:	2010
County Code:	1
Air Basin:	SF
Facility ID:	4365
Air District Name:	BA
SIC Code:	7216
Air District Name:	BAY AREA AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0.55100000000000005
Reactive Organic Gases Tons/Yr:	0.266683
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0

ENVIROSTOR:

Site Type:	State Response
Site Type Detailed:	State Response or NPL
Acres:	0.25
NPL:	NO
Regulatory Agencies:	SMBRP
Lead Agency:	SMBRP
Program Manager:	Homayune Atiqee
Supervisor:	Karen Toth
Division Branch:	Cleanup Berkeley
Facility ID:	60000250
Site Code:	201654
Assembly:	20
Senate:	10

MARSHALL STEEL CLEANERS (Continued) **1000381412**

Special Program: Not reported
Status: Active
Status Date: 03/16/2006
Restricted Use: NO
Site Mgmt. Req.: NONE SPECIFIED
Funding: Orphan Funds
Latitude: 37.69689
Longitude: -122.0744
APN: 084A-0080-011-09, 084A008001109
Past Use: DRY CLEANING
Potential COC: Tetrachloroethylene (PCE
Confirmed COC: Tetrachloroethylene (PCE, 30022-NO
Potential Description: OTH, SOIL, SV
Alias Name: 084A-0080-011-09
Alias Type: APN
Alias Name: 084A008001109
Alias Type: APN
Alias Name: 110002430227
Alias Type: EPA (FRS #)
Alias Name: 201654
Alias Type: Project Code (Site Code)
Alias Name: 60000250
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 10/30/2012
Comments: Annual DTSC oversight cost estimate mailed to responsible parties.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: State/Federal Funded Site Contract
Completed Date: 11/27/2012
Comments: Contract for extending the term of the remedial investigation contract through December 2013 fully-executed.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Final Determination of Non-Compliance
Completed Date: 09/01/2010
Comments: A notice of final determination of non-compliance with imminent and substantial endangerment determination and order and remedial action order was sent to the rp.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: State/Federal Funded Site Work Order
Completed Date: 12/06/2011
Comments: Work order for URS to conduct a remedial investigation at the site approved by DTSC.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: State/Federal Funded Site Contract Fiscal Approval (CFA)
Completed Date: 10/17/2011
Comments: CFA for Remedial Investigation activities at Marshall Steel Cleaners

MARSHALL STEEL CLEANERS (Continued) **1000381412**

approved.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Access Agreement
Completed Date: 02/22/2012
Comments: access agreement fully executed.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Proposed Determination of non-compliance
Completed Date: 08/21/2012
Comments: Proposed determination of non compliance mailed to responsible parties.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Letter - Notice
Completed Date: 09/04/2012
Comments: Notice of intent to place lien sent by DTSC to owners of the Marshall Steel Cleaners property.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Letter - Demand
Completed Date: 09/02/2010
Comments: Letter #1

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Letter - Demand
Completed Date: 10/27/2010
Comments: Letter #2

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Letter - Demand
Completed Date: 01/28/2011
Comments: Letter #3

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Lien
Completed Date: 11/01/2012
Comments: Lien in the amount of $116,058 recorded with Alameda County for the Marshall Steel Cleaners property. The lien covers the current cost of DTSC oversight activities at the Marshall Steel Cleaners site.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 03/02/2007
Comments: Okayed by Branch Chief 3/2/2007.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Workplan

MARSHALL STEEL CLEANERS (Continued) **1000381412**

Completed Date: 05/01/2007
Comments: Preliminary GW sampling and analysis plan approved with modifications.
Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Investigation Workplan
Completed Date: 07/17/2007
Comments: RIFS workplan approved with modifications.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fieldwork
Completed Date: 05/10/2007
Comments: Field work completed 5/10/2007.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Workplan
Completed Date: 05/03/2007
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 06/04/2007
Comments: RP sampled MW6 and MW7 downgradient of site. Ground water from these wells was last analyzed for PCE and its degradation products in March 1993 (PCE at 3700 ppb and TCE ad 210 ppb). The May 2007 results showed PCE at a maximum of 1100 ppb and TCE at a maximum of 49 ppb.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fieldwork
Completed Date: 08/17/2007
Comments: First phase of soil, soil vapor, and ground water sampling completed. Additional sampling anticipated.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Characterization Report
Completed Date: 08/28/2008
Comments: Revised RI approved with a requested modification. Workplan for additional investigation forthcoming.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Investigation Workplan
Completed Date: 04/06/2012
Comments: URS workplan for sampling of soil, soil gas, indoor air, and groundwater at the site approved by DTSC. Samples will be collected to delineate the extent of PCE contamination at the site.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 10/06/2009

MARSHALL STEEL CLEANERS (Continued) **1000381412**

Comments: GW monitoring report approved.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 10/06/2009
Comments: GW monitoring report approved.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 10/06/2009
Comments: GW monitoring report approved. Data indicate PCE concentrations in well MW-7 decreasing.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Characterization Report
Completed Date: 10/06/2009
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 10/06/2009
Comments: GW monitoring report approved. Data indicate PCE concentrations in well MW-7 decreasing.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: *Correspondence - Received
Completed Date: 08/31/2010
Comments: Response to proposed determination of non compliance.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 10/12/2011
Comments: Groundwater Monitoring Report submitted by consultant for property owner. Data is consistent with previous sampling events.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: State/Federal Funded Site Contract
Completed Date: 11/21/2011
Comments: DTSC contract with URS to perform remedial investigation of the site is fully executed.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 12/31/2010
Comments: Resend of November 9, 2010 letter regarding compliance with the order. Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported

MARSHALL STEEL CLEANERS (Continued) **1000381412**

Completed Document Type: Proposed Determination of non-compliance
Completed Date: 05/11/2010
Comments: NOTICE OF PROPOSED DETERMINATION OF NON-COMPLIANCE WITH ORDER, DOCKET NUMBER 06/07-015.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Litigation Support
Completed Date: 03/25/2011
Comments: Collection Activities Summary Form 1479

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: State/Federal Funded Site Work Order
Completed Date: 07/25/2012
Comments: Stop work order since work is indefinitely on hold due to enforcement issues

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 11/09/2010
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Letter - Demand
Completed Date: 04/01/2011
Comments: Letter requesting financial information regarding the Shopping Center Trust

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: State/Federal Funded Site Contract Fiscal Approval (CFA)
Completed Date: 10/30/2012
Comments: CFA for extension of the remedial investigation contract approved.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Amendment - Order/Agreement
Completed Date: 07/31/2013
Comments: Imminent and Substantial Endangerment Order reissued to responsible parties.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 07/30/2013
Comments: DTSC contract with URS terminated.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Unilateral Order (I/SE, RAO, CAO, EPA AO)
Completed Date: 03/27/2007
Comments: Order issued

Future Area Name: PROJECT WIDE

MARSHALL STEEL CLEANERS (Continued) **1000381412**

Future Sub Area Name:	Not reported
Future Document Type:	CEQA - Initial Study/ Neg. Declaration
Future Due Date:	2015
Future Area Name:	PROJECT WIDE
Future Sub Area Name:	Not reported
Future Document Type:	Certification
Future Due Date:	2015
Future Area Name:	PROJECT WIDE
Future Sub Area Name:	Not reported
Future Document Type:	Access Agreement
Future Due Date:	2014
Future Area Name:	PROJECT WIDE
Future Sub Area Name:	Not reported
Future Document Type:	Access Agreement
Future Due Date:	2014
Future Area Name:	PROJECT WIDE
Future Sub Area Name:	Not reported
Future Document Type:	Removal Action Completion Report
Future Due Date:	2015
Future Area Name:	PROJECT WIDE
Future Sub Area Name:	Not reported
Future Document Type:	Removal Action Workplan
Future Due Date:	2014
Future Area Name:	PROJECT WIDE
Future Sub Area Name:	Not reported
Future Document Type:	Fact Sheets
Future Due Date:	2014
Future Area Name:	PROJECT WIDE
Future Sub Area Name:	Not reported
Future Document Type:	Public Notice
Future Due Date:	2014
Future Area Name:	PROJECT WIDE
Future Sub Area Name:	Not reported
Future Document Type:	Remedial Investigation Report
Future Due Date:	2014
Schedule Area Name:	PROJECT WIDE
Schedule Sub Area Name:	Not reported
Schedule Document Type:	Community Profile
Schedule Due Date:	12/31/2013
Schedule Revised Date:	Not reported

32
West
1/2-1
0.946 mi.
4995 ft.

CASTRO VALLEY CAR WASH **Notify 65** **S100178725**
3098 CASTRO VALLEY BOULEV **N/A**
CASTRO VALLEY, CA 92509

Relative:
Lower

Actual:
173 ft.

Notify 65:

Date Reported:	Not reported
Staff Initials:	Not reported
Board File Number:	Not reported
Facility Type:	Not reported
Discharge Date:	Not reported
Incident Description:	92509

Count: 12 records. ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
CASTRO VALLEY	S112940037	CALTRANS DIST 4/CONSTR/EA04-1S0624	PM 30.6 - 33.6 I580	94546	HAZNET
CASTRO VALLEY	S112974772	CALTRANS D-4/CONSTR/EA04-0E7804	RTE 580 EB/WB PM 27.5-28.5	94541	HAZNET
CASTRO VALLEY	S112978676	CALTRANS D-4/CONSTR/EA04-0E7804	RTE 580 EB/WB PM 27.5-28.5	94541	HAZNET
CASTRO VALLEY	S112950880	CALTRANS DIST 4/CONSTR/EA04-284314	RTE 580 PM 30.2/R49.6	94546	HAZNET
CASTRO VALLEY	1001492826	CALTRANS DIST 4	235 AND 185 SEPARATION TO		RCRA-SQG, FINDS, HAZNET
CASTRO VALLEY	S103695907	CALTRANS	2115 CENTER	94546	HIST CORTESE
HAYWARD	S113788417	CALTRANS D-4/EA04-155312	HWY 580/238 PM 030.92	94541	HAZNET
HAYWARD	1003879275	ARDEN ROAD PROPERTY	ARDEN RD	94541	CERC-NFRAP
HAYWARD	1003878524	BAY CITIES RUBBISH DSPL CO	FOOT OF W WINTON AVE	94541	CERC-NFRAP
HAYWARD	S112898700	CALTRANS DISTRICT 4	25580 MAITLAND AVE	94541	HAZNET
HAYWARD	S113011104	CALTRANS DISTRICT 4/CONSTRUCTION	SAN MATEO-HAYWARD BRIDGE	94541	HAZNET
MARTINEZ	U001597370	OZOEL YARD	BARRRERSSIA AVE	94552	HIST UST

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

To maintain currency of the following federal and state databases, EDR contacts the appropriate governmental agency on a monthly or quarterly basis, as required.

Number of Days to Update: Provides confirmation that EDR is reporting records that have been updated within 90 days from the date the government agency made the information available to the public.

STANDARD ENVIRONMENTAL RECORDS

Federal NPL site list

NPL: National Priority List

National Priorities List (Superfund). The NPL is a subset of CERCLIS and identifies over 1,200 sites for priority cleanup under the Superfund Program. NPL sites may encompass relatively large areas. As such, EDR provides polygon coverage for over 1,000 NPL site boundaries produced by EPA's Environmental Photographic Interpretation Center (EPIC) and regional EPA offices.

Date of Government Version: 04/26/2013
Date Data Arrived at EDR: 05/09/2013
Date Made Active in Reports: 07/10/2013
Number of Days to Update: 62

Source: EPA
Telephone: N/A
Last EDR Contact: 10/11/2013
Next Scheduled EDR Contact: 01/20/2014
Data Release Frequency: Quarterly

NPL Site Boundaries

Sources:

EPA's Environmental Photographic Interpretation Center (EPIC)
Telephone: 202-564-7333

EPA Region 1
Telephone 617-918-1143

EPA Region 6
Telephone: 214-655-6659

EPA Region 3
Telephone 215-814-5418

EPA Region 7
Telephone: 913-551-7247

EPA Region 4
Telephone 404-562-8033

EPA Region 8
Telephone: 303-312-6774

EPA Region 5
Telephone 312-886-6686

EPA Region 9
Telephone: 415-947-4246

EPA Region 10
Telephone 206-553-8665

Proposed NPL: Proposed National Priority List Sites

A site that has been proposed for listing on the National Priorities List through the issuance of a proposed rule in the Federal Register. EPA then accepts public comments on the site, responds to the comments, and places on the NPL those sites that continue to meet the requirements for listing.

Date of Government Version: 04/26/2013
Date Data Arrived at EDR: 05/09/2013
Date Made Active in Reports: 07/10/2013
Number of Days to Update: 62

Source: EPA
Telephone: N/A
Last EDR Contact: 10/11/2013
Next Scheduled EDR Contact: 01/20/2014
Data Release Frequency: Quarterly

NPL LIENS: Federal Superfund Liens

Federal Superfund Liens. Under the authority granted the USEPA by CERCLA of 1980, the USEPA has the authority to file liens against real property in order to recover remedial action expenditures or when the property owner received notification of potential liability. USEPA compiles a listing of filed notices of Superfund Liens.

Date of Government Version: 10/15/1991
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

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Federal Delisted NPL site list

DELISTED NPL: National Priority List Deletions

The National Oil and Hazardous Substances Pollution Contingency Plan (NCP) establishes the criteria that the EPA uses to delete sites from the NPL. In accordance with 40 CFR 300.425.(e), sites may be deleted from the NPL where no further response is appropriate.

Date of Government Version: 04/26/2013
Date Data Arrived at EDR: 05/09/2013
Date Made Active in Reports: 07/10/2013
Number of Days to Update: 62

Source: EPA
Telephone: N/A
Last EDR Contact: 10/11/2013
Next Scheduled EDR Contact: 01/20/2014
Data Release Frequency: Quarterly

Federal CERCLIS list

CERCLIS: Comprehensive Environmental Response, Compensation, and Liability Information System

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

Date of Government Version: 04/26/2013
Date Data Arrived at EDR: 05/29/2013
Date Made Active in Reports: 08/09/2013
Number of Days to Update: 72

Source: EPA
Telephone: 703-412-9810
Last EDR Contact: 09/27/2013
Next Scheduled EDR Contact: 12/09/2013
Data Release Frequency: Quarterly

FEDERAL FACILITY: Federal Facility Site Information listing

A listing of National Priority List (NPL) and Base Realignment and Closure (BRAC) sites found in the Comprehensive Environmental Response, Compensation and Liability Information System (CERCLIS) Database where EPA Federal Facilities Restoration and Reuse Office is involved in cleanup activities.

Date of Government Version: 07/31/2012
Date Data Arrived at EDR: 10/09/2012
Date Made Active in Reports: 12/20/2012
Number of Days to Update: 72

Source: Environmental Protection Agency
Telephone: 703-603-8704
Last EDR Contact: 10/11/2013
Next Scheduled EDR Contact: 01/20/2014
Data Release Frequency: Varies

Federal CERCLIS NFRAP site List

CERCLIS-NFRAP: CERCLIS No Further Remedial Action Planned

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

Date of Government Version: 04/26/2013
Date Data Arrived at EDR: 05/29/2013
Date Made Active in Reports: 08/09/2013
Number of Days to Update: 72

Source: EPA
Telephone: 703-412-9810
Last EDR Contact: 09/27/2013
Next Scheduled EDR Contact: 12/09/2013
Data Release Frequency: Quarterly

Federal RCRA CORRACTS facilities list

CORRACTS: Corrective Action Report

CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

Date of Government Version: 07/11/2013
Date Data Arrived at EDR: 08/08/2013
Date Made Active in Reports: 09/13/2013
Number of Days to Update: 36

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 10/02/2013
Next Scheduled EDR Contact: 01/13/2014
Data Release Frequency: Quarterly

Federal RCRA non-CORRACTS TSD facilities list

RCRA-TSDF: RCRA - Treatment, Storage and Disposal

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Transporters are individuals or entities that move hazardous waste from the generator offsite to a facility that can recycle, treat, store, or dispose of the waste. TSDFs treat, store, or dispose of the waste.

Date of Government Version: 07/11/2013
Date Data Arrived at EDR: 08/08/2013
Date Made Active in Reports: 09/13/2013
Number of Days to Update: 36

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 10/02/2013
Next Scheduled EDR Contact: 01/13/2014
Data Release Frequency: Quarterly

Federal RCRA generators list

RCRA-LQG: RCRA - Large Quantity Generators

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

Date of Government Version: 07/11/2013
Date Data Arrived at EDR: 08/08/2013
Date Made Active in Reports: 09/13/2013
Number of Days to Update: 36

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 10/02/2013
Next Scheduled EDR Contact: 01/13/2014
Data Release Frequency: Quarterly

RCRA-SQG: RCRA - Small Quantity Generators

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

Date of Government Version: 07/11/2013
Date Data Arrived at EDR: 08/08/2013
Date Made Active in Reports: 09/13/2013
Number of Days to Update: 36

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 10/02/2013
Next Scheduled EDR Contact: 01/13/2014
Data Release Frequency: Quarterly

RCRA-CESQG: RCRA - Conditionally Exempt Small Quantity Generators

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

Date of Government Version: 07/11/2013
Date Data Arrived at EDR: 08/08/2013
Date Made Active in Reports: 09/13/2013
Number of Days to Update: 36

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 10/02/2013
Next Scheduled EDR Contact: 01/13/2014
Data Release Frequency: Varies

Federal institutional controls / engineering controls registries

US ENG CONTROLS: Engineering Controls Sites List

A listing of sites with engineering controls in place. Engineering controls include various forms of caps, building foundations, liners, and treatment methods to create pathway elimination for regulated substances to enter environmental media or effect human health.

Date of Government Version: 06/17/2013
Date Data Arrived at EDR: 06/21/2013
Date Made Active in Reports: 10/03/2013
Number of Days to Update: 104

Source: Environmental Protection Agency
Telephone: 703-603-0695
Last EDR Contact: 09/10/2013
Next Scheduled EDR Contact: 12/23/2013
Data Release Frequency: Varies

US INST CONTROL: Sites with Institutional Controls

A listing of sites with institutional controls in place. Institutional controls include administrative measures, such as groundwater use restrictions, construction restrictions, property use restrictions, and post remediation care requirements intended to prevent exposure to contaminants remaining on site. Deed restrictions are generally required as part of the institutional controls.

Date of Government Version: 06/17/2013
Date Data Arrived at EDR: 06/21/2013
Date Made Active in Reports: 10/03/2013
Number of Days to Update: 104

Source: Environmental Protection Agency
Telephone: 703-603-0695
Last EDR Contact: 09/10/2013
Next Scheduled EDR Contact: 12/23/2013
Data Release Frequency: Varies

LUCIS: Land Use Control Information System

LUCIS contains records of land use control information pertaining to the former Navy Base Realignment and Closure properties.

Date of Government Version: 12/09/2005
Date Data Arrived at EDR: 12/11/2006
Date Made Active in Reports: 01/11/2007
Number of Days to Update: 31

Source: Department of the Navy
Telephone: 843-820-7326
Last EDR Contact: 08/15/2013
Next Scheduled EDR Contact: 09/02/2013
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: 12/31/2012
Date Data Arrived at EDR: 01/17/2013
Date Made Active in Reports: 02/15/2013
Number of Days to Update: 29

Source: National Response Center, United States Coast Guard
Telephone: 202-267-2180
Last EDR Contact: 10/01/2013
Next Scheduled EDR Contact: 01/13/2014
Data Release Frequency: Annually

State- and tribal - equivalent NPL

RESPONSE: State Response Sites

Identifies confirmed release sites where DTSC is involved in remediation, either in a lead or oversight capacity. These confirmed release sites are generally high-priority and high potential risk.

Date of Government Version: 09/05/2013
Date Data Arrived at EDR: 09/05/2013
Date Made Active in Reports: 10/10/2013
Number of Days to Update: 35

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 09/05/2013
Next Scheduled EDR Contact: 11/18/2013
Data Release Frequency: Quarterly

State- and tribal - equivalent CERCLIS

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: 09/05/2013
Date Data Arrived at EDR: 09/05/2013
Date Made Active in Reports: 10/10/2013
Number of Days to Update: 35

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 09/05/2013
Next Scheduled EDR Contact: 11/18/2013
Data Release Frequency: Quarterly

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

SWF/LF (SWIS): Solid Waste Information System

Active, Closed and Inactive Landfills. SWF/LF records typically contain an 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: 08/19/2013
Date Data Arrived at EDR: 08/19/2013
Date Made Active in Reports: 10/08/2013
Number of Days to Update: 50

Source: Department of Resources Recycling and Recovery
Telephone: 916-341-6320
Last EDR Contact: 08/19/2013
Next Scheduled EDR Contact: 12/02/2013
Data Release Frequency: Quarterly

State and tribal leaking storage tank lists

LUST REG 8: Leaking Underground Storage Tanks

California Regional Water Quality Control Board Santa Ana Region (8). For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 02/14/2005
Date Data Arrived at EDR: 02/15/2005
Date Made Active in Reports: 03/28/2005
Number of Days to Update: 41

Source: California Regional Water Quality Control Board Santa Ana Region (8)
Telephone: 909-782-4496
Last EDR Contact: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
Data Release Frequency: Varies

LUST REG 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 6V: Leaking Underground Storage Tank Case Listing

Leaking Underground Storage Tank locations. Inyo, Kern, Los Angeles, Mono, San Bernardino counties.

Date of Government Version: 06/07/2005
Date Data Arrived at EDR: 06/07/2005
Date Made Active in Reports: 06/29/2005
Number of Days to Update: 22

Source: California Regional Water Quality Control Board Victorville Branch Office (6)
Telephone: 760-241-7365
Last EDR Contact: 09/12/2011
Next Scheduled EDR Contact: 12/26/2011
Data Release Frequency: No Update Planned

LUST REG 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 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: Quarterly

LUST REG 1: Active Toxic Site Investigation
Del Norte, Humboldt, Lake, Mendocino, Modoc, Siskiyou, Sonoma, Trinity counties. For more current information, please refer to the State Water Resources Control Board's LUST database.

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

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

LUST: Geotracker's Leaking Underground Fuel Tank Report
Leaking Underground Storage Tank Incident Reports. LUST records contain an inventory of reported leaking underground storage tank incidents. Not all states maintain these records, and the information stored varies by state. For more information on a particular leaking underground storage tank sites, please contact the appropriate regulatory agency.

Date of Government Version: 07/26/2013
Date Data Arrived at EDR: 07/26/2013
Date Made Active in Reports: 08/26/2013
Number of Days to Update: 31

Source: State Water Resources Control Board
Telephone: see region list
Last EDR Contact: 09/17/2013
Next Scheduled EDR Contact: 12/30/2013
Data Release Frequency: Quarterly

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

SLIC: Statewide SLIC Cases
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 07/26/2013
Date Data Arrived at EDR: 07/26/2013
Date Made Active in Reports: 08/26/2013
Number of Days to Update: 31

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 09/17/2013
Next Scheduled EDR Contact: 12/30/2013
Data Release Frequency: Varies

SLIC REG 1: Active Toxic Site Investigations
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 04/03/2003
Date Data Arrived at EDR: 04/07/2003
Date Made Active in Reports: 04/25/2003
Number of Days to Update: 18

Source: California Regional Water Quality Control Board, North Coast Region (1)
Telephone: 707-576-2220
Last EDR Contact: 08/01/2011
Next Scheduled EDR Contact: 11/14/2011
Data Release Frequency: No Update Planned

SLIC REG 2: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 09/30/2004
Date Data Arrived at EDR: 10/20/2004
Date Made Active in Reports: 11/19/2004
Number of Days to Update: 30

Source: Regional Water Quality Control Board San Francisco Bay Region (2)
Telephone: 510-286-0457
Last EDR Contact: 09/19/2011
Next Scheduled EDR Contact: 01/02/2012
Data Release Frequency: Quarterly

SLIC REG 3: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 05/18/2006
Date Data Arrived at EDR: 05/18/2006
Date Made Active in Reports: 06/15/2006
Number of Days to Update: 28

Source: California Regional Water Quality Control Board Central Coast Region (3)
Telephone: 805-549-3147
Last EDR Contact: 07/18/2011
Next Scheduled EDR Contact: 10/31/2011
Data Release Frequency: Semi-Annually

SLIC REG 4: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 11/17/2004
Date Data Arrived at EDR: 11/18/2004
Date Made Active in Reports: 01/04/2005
Number of Days to Update: 47

Source: Region Water Quality Control Board Los Angeles Region (4)
Telephone: 213-576-6600
Last EDR Contact: 07/01/2011
Next Scheduled EDR Contact: 10/17/2011
Data Release Frequency: Varies

SLIC REG 5: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 04/01/2005
Date Data Arrived at EDR: 04/05/2005
Date Made Active in Reports: 04/21/2005
Number of Days to Update: 16

Source: Regional Water Quality Control Board Central Valley Region (5)
Telephone: 916-464-3291
Last EDR Contact: 09/12/2011
Next Scheduled EDR Contact: 12/26/2011
Data Release Frequency: Semi-Annually

SLIC REG 6V: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 05/24/2005
Date Data Arrived at EDR: 05/25/2005
Date Made Active in Reports: 06/16/2005
Number of Days to Update: 22

Source: Regional Water Quality Control Board, Victorville Branch
Telephone: 619-241-6583
Last EDR Contact: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
Data Release Frequency: Semi-Annually

SLIC REG 6L: SLIC Sites
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 09/07/2004
Date Data Arrived at EDR: 09/07/2004
Date Made Active in Reports: 10/12/2004
Number of Days to Update: 35

Source: California Regional Water Quality Control Board, Lahontan Region
Telephone: 530-542-5574
Last EDR Contact: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
Data Release Frequency: No Update Planned

SLIC REG 7: SLIC List
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 11/24/2004
Date Data Arrived at EDR: 11/29/2004
Date Made Active in Reports: 01/04/2005
Number of Days to Update: 36

Source: California Regional Quality Control Board, Colorado River Basin Region
Telephone: 760-346-7491
Last EDR Contact: 08/01/2011
Next Scheduled EDR Contact: 11/14/2011
Data Release Frequency: No Update Planned

SLIC REG 8: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 04/03/2008
Date Data Arrived at EDR: 04/03/2008
Date Made Active in Reports: 04/14/2008
Number of Days to Update: 11

Source: California Region Water Quality Control Board Santa Ana Region (8)
Telephone: 951-782-3298
Last EDR Contact: 09/12/2011
Next Scheduled EDR Contact: 12/26/2011
Data Release Frequency: Semi-Annually

SLIC REG 9: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 09/10/2007
Date Data Arrived at EDR: 09/11/2007
Date Made Active in Reports: 09/28/2007
Number of Days to Update: 17

Source: California Regional Water Quality Control Board San Diego Region (9)
Telephone: 858-467-2980
Last EDR Contact: 08/08/2011
Next Scheduled EDR Contact: 11/21/2011
Data Release Frequency: Annually

INDIAN LUST R10: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Alaska, Idaho, Oregon and Washington.

Date of Government Version: 02/05/2013
Date Data Arrived at EDR: 02/06/2013
Date Made Active in Reports: 04/12/2013
Number of Days to Update: 65

Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 07/24/2013
Next Scheduled EDR Contact: 11/11/2013
Data Release Frequency: Quarterly

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: 09/28/2012
Date Data Arrived at EDR: 11/01/2012
Date Made Active in Reports: 04/12/2013
Number of Days to Update: 162

Source: EPA Region 1
Telephone: 617-918-1313
Last EDR Contact: 08/02/2013
Next Scheduled EDR Contact: 11/11/2013
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: 08/27/2012
Date Data Arrived at EDR: 08/28/2012
Date Made Active in Reports: 10/16/2012
Number of Days to Update: 49

Source: EPA Region 8
Telephone: 303-312-6271
Last EDR Contact: 07/24/2013
Next Scheduled EDR Contact: 11/11/2013
Data Release Frequency: Quarterly

INDIAN LUST R6: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in New Mexico and Oklahoma.

Date of Government Version: 09/12/2011
Date Data Arrived at EDR: 09/13/2011
Date Made Active in Reports: 11/11/2011
Number of Days to Update: 59

Source: EPA Region 6
Telephone: 214-665-6597
Last EDR Contact: 07/24/2013
Next Scheduled EDR Contact: 11/11/2013
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: 02/06/2013
Date Data Arrived at EDR: 02/08/2013
Date Made Active in Reports: 04/12/2013
Number of Days to Update: 63

Source: EPA Region 4
Telephone: 404-562-8677
Last EDR Contact: 07/24/2013
Next Scheduled EDR Contact: 11/11/2013
Data Release Frequency: Semi-Annually

INDIAN LUST R7: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Iowa, Kansas, and Nebraska

Date of Government Version: 12/31/2012
Date Data Arrived at EDR: 02/28/2013
Date Made Active in Reports: 04/12/2013
Number of Days to Update: 43

Source: EPA Region 7
Telephone: 913-551-7003
Last EDR Contact: 07/24/2013
Next Scheduled EDR Contact: 11/11/2013
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: 03/01/2013
Date Data Arrived at EDR: 03/01/2013
Date Made Active in Reports: 04/12/2013
Number of Days to Update: 42

Source: Environmental Protection Agency
Telephone: 415-972-3372
Last EDR Contact: 07/24/2013
Next Scheduled EDR Contact: 11/11/2013
Data Release Frequency: Quarterly

State and tribal registered storage tank lists

UST: Active UST Facilities
Active UST facilities gathered from the local regulatory agencies

Date of Government Version: 07/26/2013
Date Data Arrived at EDR: 07/26/2013
Date Made Active in Reports: 08/20/2013
Number of Days to Update: 25

Source: SWRCB
Telephone: 916-341-5851
Last EDR Contact: 09/17/2013
Next Scheduled EDR Contact: 12/30/2013
Data Release Frequency: Semi-Annually

AST: Aboveground Petroleum Storage Tank Facilities
Registered Aboveground Storage Tanks.

Date of Government Version: 08/01/2009
Date Data Arrived at EDR: 09/10/2009
Date Made Active in Reports: 10/01/2009
Number of Days to Update: 21

Source: California Environmental Protection Agency
Telephone: 916-327-5092
Last EDR Contact: 10/07/2013
Next Scheduled EDR Contact: 01/20/2014
Data Release Frequency: Quarterly

INDIAN UST R10: Underground Storage Tanks on Indian Land
The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 10 (Alaska, Idaho, Oregon, Washington, and Tribal Nations).

Date of Government Version: 02/05/2013
Date Data Arrived at EDR: 02/06/2013
Date Made Active in Reports: 04/12/2013
Number of Days to Update: 65

Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 07/24/2013
Next Scheduled EDR Contact: 11/11/2013
Data Release Frequency: Quarterly

INDIAN UST R9: Underground Storage Tanks on Indian Land
The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 9 (Arizona, California, Hawaii, Nevada, the Pacific Islands, and Tribal Nations).

Date of Government Version: 02/21/2013
Date Data Arrived at EDR: 02/26/2013
Date Made Active in Reports: 04/12/2013
Number of Days to Update: 45

Source: EPA Region 9
Telephone: 415-972-3368
Last EDR Contact: 07/24/2013
Next Scheduled EDR Contact: 11/11/2013
Data Release Frequency: Quarterly

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: 08/27/2012
Date Data Arrived at EDR: 08/28/2012
Date Made Active in Reports: 10/16/2012
Number of Days to Update: 49

Source: EPA Region 8
Telephone: 303-312-6137
Last EDR Contact: 07/24/2013
Next Scheduled EDR Contact: 11/11/2013
Data Release Frequency: Quarterly

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: 12/31/2012
Date Data Arrived at EDR: 02/28/2013
Date Made Active in Reports: 04/12/2013
Number of Days to Update: 43

Source: EPA Region 7
Telephone: 913-551-7003
Last EDR Contact: 07/24/2013
Next Scheduled EDR Contact: 11/11/2013
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: 05/10/2011
Date Data Arrived at EDR: 05/11/2011
Date Made Active in Reports: 06/14/2011
Number of Days to Update: 34

Source: EPA Region 6
Telephone: 214-665-7591
Last EDR Contact: 07/24/2013
Next Scheduled EDR Contact: 11/11/2013
Data Release Frequency: Semi-Annually

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: 08/02/2012
Date Data Arrived at EDR: 08/03/2012
Date Made Active in Reports: 11/05/2012
Number of Days to Update: 94

Source: EPA Region 5
Telephone: 312-886-6136
Last EDR Contact: 07/24/2013
Next Scheduled EDR Contact: 11/11/2013
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: 02/06/2013
Date Data Arrived at EDR: 02/08/2013
Date Made Active in Reports: 04/12/2013
Number of Days to Update: 63

Source: EPA Region 4
Telephone: 404-562-9424
Last EDR Contact: 07/24/2013
Next Scheduled EDR Contact: 11/11/2013
Data Release Frequency: Semi-Annually

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: 09/28/2012
Date Data Arrived at EDR: 11/07/2012
Date Made Active in Reports: 04/12/2013
Number of Days to Update: 156

Source: EPA, Region 1
Telephone: 617-918-1313
Last EDR Contact: 08/02/2013
Next Scheduled EDR Contact: 11/11/2013
Data Release Frequency: Varies

FEMA UST: Underground Storage Tank Listing

A listing of all FEMA owned underground storage tanks.

Date of Government Version: 01/01/2010
Date Data Arrived at EDR: 02/16/2010
Date Made Active in Reports: 04/12/2010
Number of Days to Update: 55

Source: FEMA
Telephone: 202-646-5797
Last EDR Contact: 07/19/2013
Next Scheduled EDR Contact: 10/28/2013
Data Release Frequency: Varies

State and tribal voluntary cleanup sites

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: 04/20/2009
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: 09/05/2013
Date Data Arrived at EDR: 09/05/2013
Date Made Active in Reports: 10/10/2013
Number of Days to Update: 35
Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 09/05/2013
Next Scheduled EDR Contact: 11/18/2013
Data Release Frequency: Quarterly

INDIAN VCP R1: Voluntary Cleanup Priority Listing
A listing of voluntary cleanup priority sites located on Indian Land located in Region 1.

Date of Government Version: 09/28/2012
Date Data Arrived at EDR: 10/02/2012
Date Made Active in Reports: 10/16/2012
Number of Days to Update: 14
Source: EPA, Region 1
Telephone: 617-918-1102
Last EDR Contact: 10/01/2013
Next Scheduled EDR Contact: 01/13/2014
Data Release Frequency: Varies

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: 06/24/2013
Date Data Arrived at EDR: 06/25/2013
Date Made Active in Reports: 08/09/2013
Number of Days to Update: 45
Source: Environmental Protection Agency
Telephone: 202-566-2777
Last EDR Contact: 09/24/2013
Next Scheduled EDR Contact: 01/08/2014
Data Release Frequency: Semi-Annually

Local Lists of Landfill / Solid Waste Disposal Sites

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: 07/26/2013
Next Scheduled EDR Contact: 11/11/2013
Data Release Frequency: No Update Planned

WMUDS/SWAT: Waste Management Unit Database
Waste Management Unit Database System. WMUDS is used by the State Water Resources Control Board staff and the Regional Water Quality Control Boards for program tracking and inventory of waste management units. WMUDS is composed of the following databases: Facility Information, Scheduled Inspections Information, Waste Management Unit Information, SWAT Program Information, SWAT Report Summary Information, SWAT Report Summary Data, Chapter 15 (formerly Subchapter 15) Information, Chapter 15 Monitoring Parameters, TPCA Program Information, RCRA Program Information, Closure Information, and Interested Parties Information.

Date of Government Version: 04/01/2000
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: 08/07/2013
Next Scheduled EDR Contact: 11/25/2013
Data Release Frequency: No Update Planned

SWRCY: Recycler Database
A listing of recycling facilities in California.

Date of Government Version: 06/17/2013
Date Data Arrived at EDR: 06/17/2013
Date Made Active in Reports: 08/16/2013
Number of Days to Update: 60
Source: Department of Conservation
Telephone: 916-323-3836
Last EDR Contact: 09/16/2013
Next Scheduled EDR Contact: 12/30/2013
Data Release Frequency: Quarterly

HAULERS: Registered Waste Tire Haulers Listing
A listing of registered waste tire haulers.

Date of Government Version: 04/26/2013
Date Data Arrived at EDR: 04/26/2013
Date Made Active in Reports: 05/16/2013
Number of Days to Update: 20
Source: Integrated Waste Management Board
Telephone: 916-341-6422
Last EDR Contact: 10/01/2013
Next Scheduled EDR Contact: 12/02/2013
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: 07/31/2013
Next Scheduled EDR Contact: 11/18/2013
Data Release Frequency: Varies

Local Lists of Hazardous waste / Contaminated Sites

US CDL: Clandestine Drug Labs
A listing of clandestine drug lab locations. The U.S. Department of Justice ("the Department") provides this web site as a public service. It contains addresses of some locations where law enforcement agencies reported they found chemicals or other items that indicated the presence of either clandestine drug laboratories or dumpsites. In most cases, the source of the entries is not the Department, and the Department has not verified the entry and does not guarantee its accuracy. Members of the public must verify the accuracy of all entries by, for example, contacting local law enforcement and local health departments.

Date of Government Version: 08/06/2013
Date Data Arrived at EDR: 09/11/2013
Date Made Active in Reports: 10/03/2013
Number of Days to Update: 22

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 09/04/2013
Next Scheduled EDR Contact: 12/16/2013
Data Release Frequency: Quarterly

HIST CAL-SITES: Calsites Database

The Calsites database contains potential or confirmed hazardous substance release properties. In 1996, California EPA reevaluated and significantly reduced the number of sites in the Calsites database. No longer updated by the state agency. It has been replaced by ENVIROSTOR.

Date of Government Version: 08/08/2005
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: 09/05/2013
Date Data Arrived at EDR: 09/05/2013
Date Made Active in Reports: 10/10/2013
Number of Days to Update: 35

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 09/05/2013
Next Scheduled EDR Contact: 11/18/2013
Data Release Frequency: Quarterly

TOXIC PITS: Toxic Pits Cleanup Act Sites

Toxic PITS Cleanup Act Sites. TOXIC PITS identifies sites suspected of containing hazardous substances where cleanup has not yet been completed.

Date of Government Version: 07/01/1995
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

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: 06/30/2013
Date Data Arrived at EDR: 09/03/2013
Date Made Active in Reports: 10/10/2013
Number of Days to Update: 37

Source: Department of Toxic Substances Control
Telephone: 916-255-6504
Last EDR Contact: 09/03/2013
Next Scheduled EDR Contact: 01/13/2014
Data Release Frequency: Varies

US HIST CDL: National Clandestine Laboratory Register

A listing of clandestine drug lab locations. The U.S. Department of Justice ("the Department") provides this web site as a public service. It contains addresses of some locations where law enforcement agencies reported they found chemicals or other items that indicated the presence of either clandestine drug laboratories or dumpsites. In most cases, the source of the entries is not the Department, and the Department has not verified the entry and does not guarantee its accuracy. Members of the public must verify the accuracy of all entries by, for example, contacting local law enforcement and local health departments.

Date of Government Version: 09/01/2007
Date Data Arrived at EDR: 11/19/2008
Date Made Active in Reports: 03/30/2009
Number of Days to Update: 131

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 03/23/2009
Next Scheduled EDR Contact: 06/22/2009
Data Release Frequency: No Update Planned

Local Lists of Registered Storage Tanks

CA FID UST: Facility Inventory Database

The Facility Inventory Database (FID) contains a historical listing of active and inactive underground storage tank locations from the State Water Resource Control Board. Refer to local/county source for current data.

Date of Government Version: 10/31/1994
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

UST MENDOCINO: Mendocino County UST Database

A listing of underground storage tank locations in Mendocino County.

Date of Government Version: 09/23/2009
Date Data Arrived at EDR: 09/23/2009
Date Made Active in Reports: 10/01/2009
Number of Days to Update: 8

Source: Department of Public Health
Telephone: 707-463-4466
Last EDR Contact: 09/03/2013
Next Scheduled EDR Contact: 12/16/2013
Data Release Frequency: Annually

HIST UST: Hazardous Substance Storage Container Database

The Hazardous Substance Storage Container Database is a historical listing of UST sites. Refer to local/county source for current data.

Date of Government Version: 10/15/1990
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

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

Local Land Records

LIENS 2: CERCLA Lien Information

A Federal CERCLA ('Superfund') lien can exist by operation of law at any site or property at which EPA has spent Superfund monies. These monies are spent to investigate and address releases and threatened releases of contamination. CERCLIS provides information as to the identity of these sites and properties.

Date of Government Version: 02/06/2013
Date Data Arrived at EDR: 04/25/2013
Date Made Active in Reports: 05/10/2013
Number of Days to Update: 15

Source: Environmental Protection Agency
Telephone: 202-564-6023
Last EDR Contact: 07/24/2013
Next Scheduled EDR Contact: 11/11/2013
Data Release Frequency: Varies

LIENS: Environmental Liens Listing

A listing of property locations with environmental liens for California where DTSC is a lien holder.

Date of Government Version: 06/14/2013
Date Data Arrived at EDR: 06/17/2013
Date Made Active in Reports: 08/21/2013
Number of Days to Update: 65

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 09/23/2013
Next Scheduled EDR Contact: 12/23/2013
Data Release Frequency: Varies

DEED: Deed Restriction Listing

Site Mitigation and Brownfields Reuse Program Facility Sites with Deed Restrictions & Hazardous Waste Management Program Facility Sites with Deed / Land Use Restriction. The DTSC Site Mitigation and Brownfields Reuse Program (SMBRP) list includes sites cleaned up under the program's oversight and generally does not include current or former hazardous waste facilities that required a hazardous waste facility permit. The list represents deed restrictions that are active. Some sites have multiple deed restrictions. The DTSC Hazardous Waste Management Program (HWMP) has developed a list of current or former hazardous waste facilities that have a recorded land use restriction at the local county recorder's office. The land use restrictions on this list were required by the DTSC HWMP as a result of the presence of hazardous substances that remain on site after the facility (or part of the facility) has been closed or cleaned up. The types of land use restriction include deed notice, deed restriction, or a land use restriction that binds current and future owners.

Date of Government Version: 09/11/2013
Date Data Arrived at EDR: 09/11/2013
Date Made Active in Reports: 10/14/2013
Number of Days to Update: 33

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 09/11/2013
Next Scheduled EDR Contact: 12/23/2013
Data Release Frequency: Semi-Annually

Records of Emergency Release Reports

HMIRS: Hazardous Materials Information Reporting System

Hazardous Materials Incident Report System. HMIRS contains hazardous material spill incidents reported to DOT.

Date of Government Version: 12/31/2012
Date Data Arrived at EDR: 01/03/2013
Date Made Active in Reports: 02/27/2013
Number of Days to Update: 55

Source: U.S. Department of Transportation
Telephone: 202-366-4555
Last EDR Contact: 10/01/2013
Next Scheduled EDR Contact: 01/13/2014
Data Release Frequency: Annually

CHMIRS: California Hazardous Material Incident Report System

California Hazardous Material Incident Reporting System. CHMIRS contains information on reported hazardous material incidents (accidental releases or spills).

Date of Government Version: 03/12/2013
Date Data Arrived at EDR: 05/01/2013
Date Made Active in Reports: 06/25/2013
Number of Days to Update: 55

Source: Office of Emergency Services
Telephone: 916-845-8400
Last EDR Contact: 08/02/2013
Next Scheduled EDR Contact: 11/11/2013
Data Release Frequency: Varies

LDS: Land Disposal Sites Listing

The Land Disposal program regulates of waste discharge to land for treatment, storage and disposal in waste management units.

Date of Government Version: 07/26/2013
Date Data Arrived at EDR: 07/26/2013
Date Made Active in Reports: 08/26/2013
Number of Days to Update: 31

Source: State Water Qualilty Control Board
Telephone: 866-480-1028
Last EDR Contact: 09/17/2013
Next Scheduled EDR Contact: 12/30/2013
Data Release Frequency: Quarterly

MCS: Military Cleanup Sites Listing

The State Water Resources Control Board and nine Regional Water Quality Control Boards partner with the Department of Defense (DoD) through the Defense and State Memorandum of Agreement (DSMOA) to oversee the investigation and remediation of water quality issues at military facilities.

Date of Government Version: 07/26/2013
Date Data Arrived at EDR: 07/26/2013
Date Made Active in Reports: 08/26/2013
Number of Days to Update: 31

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 09/17/2013
Next Scheduled EDR Contact: 12/30/2013
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

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: 07/11/2013
Date Data Arrived at EDR: 08/08/2013
Date Made Active in Reports: 09/13/2013
Number of Days to Update: 36

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 10/02/2013
Next Scheduled EDR Contact: 01/13/2014
Data Release Frequency: Varies

DOT OPS: Incident and Accident Data

Department of Transporation, Office of Pipeline Safety Incident and Accident data.

Date of Government Version: 07/31/2012
Date Data Arrived at EDR: 08/07/2012
Date Made Active in Reports: 09/18/2012
Number of Days to Update: 42

Source: Department of Transporation, Office of Pipeline Safety
Telephone: 202-366-4595
Last EDR Contact: 08/05/2013
Next Scheduled EDR Contact: 11/18/2013
Data Release Frequency: Varies

DOD: Department of Defense Sites

This data set consists of federally owned or administered lands, administered by the Department of Defense, that have any area equal to or greater than 640 acres of the United States, Puerto Rico, and the U.S. Virgin Islands.

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 11/10/2006
Date Made Active in Reports: 01/11/2007
Number of Days to Update: 62

Source: USGS
Telephone: 888-275-8747
Last EDR Contact: 07/19/2013
Next Scheduled EDR Contact: 10/28/2013
Data Release Frequency: Semi-Annually

FUDS: Formerly Used Defense Sites

The listing includes locations of Formerly Used Defense Sites properties where the US Army Corps of Engineers is actively working or will take necessary cleanup actions.

Date of Government Version: 12/31/2011
Date Data Arrived at EDR: 02/26/2013
Date Made Active in Reports: 03/13/2013
Number of Days to Update: 15

Source: U.S. Army Corps of Engineers
Telephone: 202-528-4285
Last EDR Contact: 09/10/2013
Next Scheduled EDR Contact: 12/23/2013
Data Release Frequency: Varies

CONSENT: Superfund (CERCLA) Consent Decrees

Major legal settlements that establish responsibility and standards for cleanup at NPL (Superfund) sites. Released periodically by United States District Courts after settlement by parties to litigation matters.

Date of Government Version: 06/30/2013
Date Data Arrived at EDR: 08/07/2013
Date Made Active in Reports: 10/03/2013
Number of Days to Update: 57

Source: Department of Justice, Consent Decree Library
Telephone: Varies
Last EDR Contact: 09/30/2013
Next Scheduled EDR Contact: 01/13/2014
Data Release Frequency: Varies

ROD: Records Of Decision

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

Date of Government Version: 12/18/2012
Date Data Arrived at EDR: 03/13/2013
Date Made Active in Reports: 04/12/2013
Number of Days to Update: 30

Source: EPA
Telephone: 703-416-0223
Last EDR Contact: 09/13/2013
Next Scheduled EDR Contact: 12/23/2013
Data Release Frequency: Annually

UMTRA: Uranium Mill Tailings Sites

Uranium ore was mined by private companies for federal government use in national defense programs. When the mills shut down, large piles of the sand-like material (mill tailings) remain after uranium has been extracted from the ore. Levels of human exposure to radioactive materials from the piles are low; however, in some cases tailings were used as construction materials before the potential health hazards of the tailings were recognized.

Date of Government Version: 09/14/2010
Date Data Arrived at EDR: 10/07/2011
Date Made Active in Reports: 03/01/2012
Number of Days to Update: 146

Source: Department of Energy
Telephone: 505-845-0011
Last EDR Contact: 05/28/2013
Next Scheduled EDR Contact: 09/09/2013
Data Release Frequency: Varies

US MINES: Mines Master Index File

Contains all mine identification numbers issued for mines active or opened since 1971. The data also includes violation information.

Date of Government Version: 08/01/2013
Date Data Arrived at EDR: 09/05/2013
Date Made Active in Reports: 10/03/2013
Number of Days to Update: 28

Source: Department of Labor, Mine Safety and Health Administration
Telephone: 303-231-5959
Last EDR Contact: 09/05/2013
Next Scheduled EDR Contact: 12/16/2013
Data Release Frequency: Semi-Annually

TRIS: Toxic Chemical Release Inventory System

Toxic Release Inventory System. TRIS identifies facilities which release toxic chemicals to the air, water and land in reportable quantities under SARA Title III Section 313.

Date of Government Version: 12/31/2011
Date Data Arrived at EDR: 07/31/2013
Date Made Active in Reports: 09/13/2013
Number of Days to Update: 44

Source: EPA
Telephone: 202-566-0250
Last EDR Contact: 08/30/2013
Next Scheduled EDR Contact: 12/09/2013
Data Release Frequency: Annually

TSCA: Toxic Substances Control Act

Toxic Substances Control Act. TSCA identifies manufacturers and importers of chemical substances included on the TSCA Chemical Substance Inventory list. It includes data on the production volume of these substances by plant site.

Date of Government Version: 12/31/2006
Date Data Arrived at EDR: 09/29/2010
Date Made Active in Reports: 12/02/2010
Number of Days to Update: 64

Source: EPA
Telephone: 202-260-5521
Last EDR Contact: 09/24/2013
Next Scheduled EDR Contact: 01/08/2014
Data Release Frequency: Every 4 Years

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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: 08/22/2013
Next Scheduled EDR Contact: 12/09/2013
Data Release Frequency: Quarterly

FTTS INSP: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
A listing of FIFRA/TSCA Tracking System (FTTS) inspections and enforcements.

Date of Government Version: 04/09/2009
Date Data Arrived at EDR: 04/16/2009
Date Made Active in Reports: 05/11/2009
Number of Days to Update: 25
Source: EPA
Telephone: 202-566-1667
Last EDR Contact: 08/22/2013
Next Scheduled EDR Contact: 12/09/2013
Data Release Frequency: Quarterly

HIST FTTS: FIFRA/TSCA Tracking System Administrative Case Listing
A complete administrative case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006
Date Data Arrived at EDR: 03/01/2007
Date Made Active in Reports: 04/10/2007
Number of Days to Update: 40
Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 12/17/2007
Next Scheduled EDR Contact: 03/17/2008
Data Release Frequency: No Update Planned

HIST FTTS INSP: FIFRA/TSCA Tracking System Inspection & Enforcement Case Listing
A complete inspection and enforcement case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006
Date Data Arrived at EDR: 03/01/2007
Date Made Active in Reports: 04/10/2007
Number of Days to Update: 40
Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 12/17/2008
Next Scheduled EDR Contact: 03/17/2008
Data Release Frequency: No Update Planned

SSTS: Section 7 Tracking Systems
Section 7 of the Federal Insecticide, Fungicide and Rodenticide Act, as amended (92 Stat. 829) requires all registered pesticide-producing establishments to submit a report to the Environmental Protection Agency by March 1st each year. Each establishment must report the types and amounts of pesticides, active ingredients and devices being produced, and those having been produced and sold or distributed in the past year.

Date of Government Version: 12/31/2009
Date Data Arrived at EDR: 12/10/2010
Date Made Active in Reports: 02/25/2011
Number of Days to Update: 77
Source: EPA
Telephone: 202-564-4203
Last EDR Contact: 07/24/2013
Next Scheduled EDR Contact: 11/11/2013
Data Release Frequency: Annually

ICIS: Integrated Compliance Information System

The Integrated Compliance Information System (ICIS) supports the information needs of the national enforcement and compliance program as well as the unique needs of the National Pollutant Discharge Elimination System (NPDES) program.

Date of Government Version: 07/20/2011
Date Data Arrived at EDR: 11/10/2011
Date Made Active in Reports: 01/10/2012
Number of Days to Update: 61

Source: Environmental Protection Agency
Telephone: 202-564-5088
Last EDR Contact: 10/09/2014
Next Scheduled EDR Contact: 01/27/2014
Data Release Frequency: Quarterly

PADS: PCB Activity Database System

PCB Activity Database. PADS Identifies generators, transporters, commercial storers and/or brokers and disposers of PCB's who are required to notify the EPA of such activities.

Date of Government Version: 11/01/2012
Date Data Arrived at EDR: 01/16/2013
Date Made Active in Reports: 05/10/2013
Number of Days to Update: 114

Source: EPA
Telephone: 202-566-0500
Last EDR Contact: 07/17/2013
Next Scheduled EDR Contact: 10/28/2013
Data Release Frequency: Annually

MLTS: Material Licensing Tracking System

MLTS is maintained by the Nuclear Regulatory Commission and contains a list of approximately 8,100 sites which possess or use radioactive materials and which are subject to NRC licensing requirements. To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 03/14/2013
Date Data Arrived at EDR: 03/20/2013
Date Made Active in Reports: 07/10/2013
Number of Days to Update: 112

Source: Nuclear Regulatory Commission
Telephone: 301-415-7169
Last EDR Contact: 09/10/2013
Next Scheduled EDR Contact: 12/23/2013
Data Release Frequency: Quarterly

RADINFO: Radiation Information Database

The Radiation Information Database (RADINFO) contains information about facilities that are regulated by U.S. Environmental Protection Agency (EPA) regulations for radiation and radioactivity.

Date of Government Version: 04/09/2013
Date Data Arrived at EDR: 04/11/2013
Date Made Active in Reports: 05/10/2013
Number of Days to Update: 29

Source: Environmental Protection Agency
Telephone: 202-343-9775
Last EDR Contact: 10/09/2013
Next Scheduled EDR Contact: 01/20/2014
Data Release Frequency: Quarterly

FINDS: Facility Index System/Facility Registry System

Facility Index System. FINDS contains both facility information and 'pointers' to other sources that contain more detail. EDR includes the following FINDS databases in this report: PCS (Permit Compliance System), AIRS (Aerometric Information Retrieval System), DOCKET (Enforcement Docket used to manage and track information on civil judicial enforcement cases for all environmental statutes), FURS (Federal Underground Injection Control), C-DOCKET (Criminal Docket System used to track criminal enforcement actions for all environmental statutes), FFIS (Federal Facilities Information System), STATE (State Environmental Laws and Statutes), and PADS (PCB Activity Data System).

Date of Government Version: 03/08/2013
Date Data Arrived at EDR: 03/21/2013
Date Made Active in Reports: 07/10/2013
Number of Days to Update: 111

Source: EPA
Telephone: (415) 947-8000
Last EDR Contact: 09/11/2013
Next Scheduled EDR Contact: 12/23/2013
Data Release Frequency: Quarterly

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

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: 05/08/2012
Date Data Arrived at EDR: 05/25/2012
Date Made Active in Reports: 07/10/2012
Number of Days to Update: 46

Source: Environmental Protection Agency
Telephone: 202-564-8600
Last EDR Contact: 07/24/2013
Next Scheduled EDR Contact: 11/11/2013
Data Release Frequency: Varies

BRS: Biennial Reporting System

The Biennial Reporting System is a national system administered by the EPA that collects data on the generation and management of hazardous waste. BRS captures detailed data from two groups: Large Quantity Generators (LQG) and Treatment, Storage, and Disposal Facilities.

Date of Government Version: 12/31/2011
Date Data Arrived at EDR: 02/26/2013
Date Made Active in Reports: 04/19/2013
Number of Days to Update: 52

Source: EPA/NTIS
Telephone: 800-424-9346
Last EDR Contact: 08/26/2013
Next Scheduled EDR Contact: 12/09/2013
Data Release Frequency: Biennially

CA BOND EXP. PLAN: Bond Expenditure Plan

Department of Health Services developed a site-specific expenditure plan as the basis for an appropriation of Hazardous Substance Cleanup Bond Act funds. It is not updated.

Date of Government Version: 01/01/1989
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

NPDES: NPDES Permits Listing

A listing of NPDES permits, including stormwater.

Date of Government Version: 08/19/2013
Date Data Arrived at EDR: 08/19/2013
Date Made Active in Reports: 10/08/2013
Number of Days to Update: 50

Source: State Water Resources Control Board
Telephone: 916-445-9379
Last EDR Contact: 08/19/2013
Next Scheduled EDR Contact: 12/02/2013
Data Release Frequency: Quarterly

UIC: UIC Listing

A listing of underground control injection wells.

Date of Government Version: 03/05/2013
Date Data Arrived at EDR: 03/19/2013
Date Made Active in Reports: 03/27/2013
Number of Days to Update: 8

Source: Deaprtment of Conservation
Telephone: 916-445-2408
Last EDR Contact: 09/17/2013
Next Scheduled EDR Contact: 12/30/2013
Data Release Frequency: Varies

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: 07/05/2013
Date Data Arrived at EDR: 07/05/2013
Date Made Active in Reports: 08/26/2013
Number of Days to Update: 52
Source: CAL EPA/Office of Emergency Information
Telephone: 916-323-3400
Last EDR Contact: 10/01/2013
Next Scheduled EDR Contact: 01/13/2014
Data Release Frequency: Quarterly

HIST CORTESE: Hazardous Waste & Substance Site List
The sites for the list are designated by the State Water Resource Control Board [LUST], the Integrated Waste Board [SWF/LS], and the Department of Toxic Substances Control [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

NOTIFY 65: Proposition 65 Records
Listings of all Proposition 65 incidents reported to counties by the State Water Resources Control Board and the Regional Water Quality Control Board. This database is no longer updated by the reporting agency.

Date of Government Version: 10/21/1993
Date Data Arrived at EDR: 11/01/1993
Date Made Active in Reports: 11/19/1993
Number of Days to Update: 18
Source: State Water Resources Control Board
Telephone: 916-445-3846
Last EDR Contact: 09/23/2013
Next Scheduled EDR Contact: 01/08/2014
Data Release Frequency: No Update Planned

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

Date of Government Version: 12/11/2012
Date Data Arrived at EDR: 12/12/2012
Date Made Active in Reports: 01/04/2013
Number of Days to Update: 23
Source: Department of Toxic Substance Control
Telephone: 916-327-4498
Last EDR Contact: 09/10/2013
Next Scheduled EDR Contact: 12/24/2012
Data Release Frequency: Annually

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

Date of Government Version: 07/03/2009
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: 09/30/2013
Next Scheduled EDR Contact: 01/13/2014
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: 08/09/2013
Date Data Arrived at EDR: 08/13/2013
Date Made Active in Reports: 10/08/2013
Number of Days to Update: 56
Source: State Water Resoruces Control Board
Telephone: 916-445-9379
Last EDR Contact: 08/08/2013
Next Scheduled EDR Contact: 11/11/2013
Data Release Frequency: Varies

HAZNET: Facility and Manifest Data

Facility and Manifest Data. The data is extracted from the copies of hazardous waste manifests received each year by the DTSC. The annual volume of manifests is typically 700,000 - 1,000,000 annually, representing approximately 350,000 - 500,000 shipments. Data are from the manifests submitted without correction, and therefore many contain some invalid values for data elements such as generator ID, TSD ID, waste category, and disposal method.

Date of Government Version: 12/31/2012
Date Data Arrived at EDR: 07/16/2013
Date Made Active in Reports: 08/26/2013
Number of Days to Update: 41

Source: California Environmental Protection Agency
Telephone: 916-255-1136
Last EDR Contact: 10/15/2013
Next Scheduled EDR Contact: 01/27/2014
Data Release Frequency: Annually

EMI: Emissions Inventory Data

Toxics and criteria pollutant emissions data collected by the ARB and local air pollution agencies.

Date of Government Version: 12/31/2010
Date Data Arrived at EDR: 06/25/2013
Date Made Active in Reports: 08/22/2013
Number of Days to Update: 58

Source: California Air Resources Board
Telephone: 916-322-2990
Last EDR Contact: 09/27/2013
Next Scheduled EDR Contact: 01/08/2014
Data Release Frequency: Varies

INDIAN RESERV: Indian Reservations

This map layer portrays Indian administered lands of the United States that have any area equal to or greater than 640 acres.

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 12/08/2006
Date Made Active in Reports: 01/11/2007
Number of Days to Update: 34

Source: USGS
Telephone: 202-208-3710
Last EDR Contact: 07/19/2013
Next Scheduled EDR Contact: 10/28/2013
Data Release Frequency: Semi-Annually

SCRD DRYCLEANERS: State Coalition for Remediation of Drycleaners Listing

The State Coalition for Remediation of Drycleaners was established in 1998, with support from the U.S. EPA Office of Superfund Remediation and Technology Innovation. It is comprised of representatives of states with established drycleaner remediation programs. Currently the member states are Alabama, Connecticut, Florida, Illinois, Kansas, Minnesota, Missouri, North Carolina, Oregon, South Carolina, Tennessee, Texas, and Wisconsin.

Date of Government Version: 03/07/2011
Date Data Arrived at EDR: 03/09/2011
Date Made Active in Reports: 05/02/2011
Number of Days to Update: 54

Source: Environmental Protection Agency
Telephone: 615-532-8599
Last EDR Contact: 08/01/2013
Next Scheduled EDR Contact: 11/04/2013
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: 03/04/2013
Date Data Arrived at EDR: 03/15/2013
Date Made Active in Reports: 05/10/2013
Number of Days to Update: 56

Source: Environmental Protection Agency
Telephone: 202-566-1917
Last EDR Contact: 09/27/2013
Next Scheduled EDR Contact: 12/02/2013
Data Release Frequency: Quarterly

PCB TRANSFORMER: PCB Transformer Registration Database

The database of PCB transformer registrations that includes all PCB registration submittals.

Date of Government Version: 02/01/2011
Date Data Arrived at EDR: 10/19/2011
Date Made Active in Reports: 01/10/2012
Number of Days to Update: 83

Source: Environmental Protection Agency
Telephone: 202-566-0517
Last EDR Contact: 08/02/2013
Next Scheduled EDR Contact: 11/11/2013
Data Release Frequency: Varies

PROC: Certified Processors Database
A listing of certified processors.

Date of Government Version: 06/17/2013
Date Data Arrived at EDR: 06/17/2013
Date Made Active in Reports: 08/21/2013
Number of Days to Update: 65
Source: Department of Conservation
Telephone: 916-323-3836
Last EDR Contact: 09/16/2013
Next Scheduled EDR Contact: 12/30/2013
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: 08/29/2013
Date Data Arrived at EDR: 09/13/2013
Date Made Active in Reports: 10/14/2013
Number of Days to Update: 31
Source: Department of Public Health
Telephone: 916-558-1784
Last EDR Contact: 09/11/2013
Next Scheduled EDR Contact: 12/23/2013
Data Release Frequency: Varies

COAL ASH DOE: Sleam-Electric Plan Operation Data
A listing of power plants that store ash in surface ponds.

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 08/07/2009
Date Made Active in Reports: 10/22/2009
Number of Days to Update: 76
Source: Department of Energy
Telephone: 202-586-8719
Last EDR Contact: 10/15/2013
Next Scheduled EDR Contact: 01/27/2014
Data Release Frequency: Varies

COAL ASH EPA: Coal Combustion Residues Surface Impoundments List
A listing of coal combustion residues surface impoundments with high hazard potential ratings.

Date of Government Version: 08/17/2010
Date Data Arrived at EDR: 01/03/2011
Date Made Active in Reports: 03/21/2011
Number of Days to Update: 77
Source: Environmental Protection Agency
Telephone: N/A
Last EDR Contact: 09/13/2013
Next Scheduled EDR Contact: 12/23/2013
Data Release Frequency: Varies

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: 07/15/2013
Date Data Arrived at EDR: 07/16/2013
Date Made Active in Reports: 08/12/2013
Number of Days to Update: 27
Source: Department of Toxic Substances Control
Telephone: 916-440-7145
Last EDR Contact: 10/15/2013
Next Scheduled EDR Contact: 01/27/2014
Data Release Frequency: Quarterly

HWP: EnviroStor Permitted Facilities Listing
Detailed information on permitted hazardous waste facilities and corrective action ("cleanups") tracked in EnviroStor.

Date of Government Version: 08/28/2013
Date Data Arrived at EDR: 08/27/2013
Date Made Active in Reports: 10/10/2013
Number of Days to Update: 44
Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 08/27/2013
Next Scheduled EDR Contact: 12/09/2013
Data Release Frequency: Quarterly

Financial Assurance 2: Financial Assurance Information Listing
A listing of financial assurance information for solid waste facilities. Financial assurance is intended to ensure that resources are available to pay for the cost of closure, post-closure care, and corrective measures if the owner or operator of a regulated facility is unable or unwilling to pay.

Date of Government Version: 08/12/2013
Date Data Arrived at EDR: 08/20/2013
Date Made Active in Reports: 10/08/2013
Number of Days to Update: 49

Source: California Integrated Waste Management Board
Telephone: 916-341-6066
Last EDR Contact: 08/15/2013
Next Scheduled EDR Contact: 12/02/2013
Data Release Frequency: Varies

Financial Assurance 1: Financial Assurance Information Listing
Financial Assurance information

Date of Government Version: 06/30/2013
Date Data Arrived at EDR: 08/08/2013
Date Made Active in Reports: 08/27/2013
Number of Days to Update: 19

Source: Department of Toxic Substances Control
Telephone: 916-255-3628
Last EDR Contact: 08/26/2013
Next Scheduled EDR Contact: 11/11/2013
Data Release Frequency: Varies

LEAD SMELTER 1: Lead Smelter Sites
A listing of former lead smelter site locations.

Date of Government Version: 01/29/2013
Date Data Arrived at EDR: 02/14/2013
Date Made Active in Reports: 02/27/2013
Number of Days to Update: 13

Source: Environmental Protection Agency
Telephone: 703-603-8787
Last EDR Contact: 09/24/2013
Next Scheduled EDR Contact: 01/20/2014
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

2020 COR ACTION: 2020 Corrective Action Program List
The EPA has set ambitious goals for the RCRA Corrective Action program by creating the 2020 Corrective Action Universe. This RCRA cleanup baseline includes facilities expected to need corrective action. The 2020 universe contains a wide variety of sites. Some properties are heavily contaminated while others were contaminated but have since been cleaned up. Still others have not been fully investigated yet, and may require little or no remediation. Inclusion in the 2020 Universe does not necessarily imply failure on the part of a facility to meet its RCRA obligations.

Date of Government Version: 11/11/2011
Date Data Arrived at EDR: 05/18/2012
Date Made Active in Reports: 05/25/2012
Number of Days to Update: 7

Source: Environmental Protection Agency
Telephone: 703-308-4044
Last EDR Contact: 08/16/2013
Next Scheduled EDR Contact: 11/25/2013
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: 12/31/2005
Date Data Arrived at EDR: 02/06/2006
Date Made Active in Reports: 01/11/2007
Number of Days to Update: 339

Source: U.S. Geological Survey
Telephone: 888-275-8747
Last EDR Contact: 07/19/2013
Next Scheduled EDR Contact: 10/28/2013
Data Release Frequency: N/A

PRP: Potentially Responsible Parties
A listing of verified Potentially Responsible Parties

Date of Government Version: 04/15/2013
Date Data Arrived at EDR: 07/03/2013
Date Made Active in Reports: 09/13/2013
Number of Days to Update: 72

Source: EPA
Telephone: 202-564-6023
Last EDR Contact: 10/04/2013
Next Scheduled EDR Contact: 01/13/2014
Data Release Frequency: Quarterly

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: 08/22/2013
Next Scheduled EDR Contact: 12/09/2013
Data Release Frequency: Quarterly

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: 01/23/2013
Date Data Arrived at EDR: 01/30/2013
Date Made Active in Reports: 05/10/2013
Number of Days to Update: 100

Source: EPA
Telephone: 202-564-5962
Last EDR Contact: 09/30/2013
Next Scheduled EDR Contact: 01/13/2014
Data Release Frequency: Annually

US AIRS MINOR: Air Facility System Data
A listing of minor source facilities.

Date of Government Version: 01/23/2013
Date Data Arrived at EDR: 01/30/2013
Date Made Active in Reports: 05/10/2013
Number of Days to Update: 100

Source: EPA
Telephone: 202-564-5962
Last EDR Contact: 09/30/2013
Next Scheduled EDR Contact: 01/13/2014
Data Release Frequency: Annually

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: 06/30/2013
Date Data Arrived at EDR: 08/13/2013
Date Made Active in Reports: 09/13/2013
Number of Days to Update: 31

Source: Environmental Protection Agency
Telephone: 617-520-3000
Last EDR Contact: 08/07/2013
Next Scheduled EDR Contact: 11/25/2013
Data Release Frequency: Quarterly

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

EDR MGP: EDR Proprietary Manufactured Gas Plants

The EDR Proprietary Manufactured Gas Plant Database includes records of coal gas plants (manufactured gas plants) compiled by EDR's researchers. Manufactured gas sites were used in the United States from the 1800's to 1950's to produce a gas that could be distributed and used as fuel. These plants used whale oil, rosin, coal, or a mixture of coal, oil, and water that also produced a significant amount of waste. Many of the byproducts of the gas production, such as coal tar (oily waste containing volatile and non-volatile chemicals), sludges, oils and other compounds are potentially hazardous to human health and the environment. The byproduct from this process was frequently disposed of directly at the plant site and can remain or spread slowly, serving as a continuous source of soil and groundwater contamination.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

EDR US Hist Auto Stat: EDR Exclusive Historic Gas Stations

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

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

EDR US Hist Cleaners: EDR Exclusive Historic Dry Cleaners

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

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

EDR US Hist Cleaners: EDR Proprietary Historic Dry Cleaners - Cole

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: N/A
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

EDR US Hist Auto Stat: EDR Proprietary Historic Gas Stations - Cole

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: N/A
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

COUNTY RECORDS

ALAMEDA COUNTY:

Contaminated Sites

A listing of contaminated sites overseen by the Toxic Release Program (oil and groundwater contamination from chemical releases and spills) and the Leaking Underground Storage Tank Program (soil and ground water contamination from leaking petroleum USTs).

Date of Government Version: 07/25/2013
Date Data Arrived at EDR: 07/26/2013
Date Made Active in Reports: 08/09/2013
Number of Days to Update: 14

Source: Alameda County Environmental Health Services
Telephone: 510-567-6700
Last EDR Contact: 09/30/2013
Next Scheduled EDR Contact: 01/13/2014
Data Release Frequency: Semi-Annually

Underground Tanks

Underground storage tank sites located in Alameda county.

Date of Government Version: 07/25/2013
Date Data Arrived at EDR: 07/26/2013
Date Made Active in Reports: 08/20/2013
Number of Days to Update: 25

Source: Alameda County Environmental Health Services
Telephone: 510-567-6700
Last EDR Contact: 09/30/2013
Next Scheduled EDR Contact: 01/13/2014
Data Release Frequency: Semi-Annually

AMADOR COUNTY:

CUPA Facility List

Cupa Facility List

Date of Government Version: 06/20/2013
Date Data Arrived at EDR: 06/21/2013
Date Made Active in Reports: 08/21/2013
Number of Days to Update: 61

Source: Amador County Environmental Health
Telephone: 209-223-6439
Last EDR Contact: 09/10/2013
Next Scheduled EDR Contact: 12/23/2013
Data Release Frequency: Varies

BUTTE COUNTY:

CUPA Facility Listing

Cupa facility list.

Date of Government Version: 08/01/2013
Date Data Arrived at EDR: 08/02/2013
Date Made Active in Reports: 08/22/2013
Number of Days to Update: 20

Source: Public Health Department
Telephone: 530-538-7149
Last EDR Contact: 10/09/2013
Next Scheduled EDR Contact: 01/27/2014
Data Release Frequency: No Update Planned

CALVERAS COUNTY:

CUPA Facility Listing

Cupa Facility Listing

Date of Government Version: 06/30/2013
Date Data Arrived at EDR: 07/24/2013
Date Made Active in Reports: 08/09/2013
Number of Days to Update: 16

Source: Calveras County Environmental Health
Telephone: 209-754-6399
Last EDR Contact: 09/30/2013
Next Scheduled EDR Contact: 01/13/2014
Data Release Frequency: Quarterly

COLUSA COUNTY:

CUPA Facility List
Cupa facility list.

Date of Government Version: 06/20/2013
Date Data Arrived at EDR: 07/01/2013
Date Made Active in Reports: 08/09/2013
Number of Days to Update: 39

Source: Health & Human Services
Telephone: 530-458-0396
Last EDR Contact: 10/04/2013
Next Scheduled EDR Contact: 11/25/2013
Data Release Frequency: Varies

CONTRA COSTA COUNTY:

Site List
List includes sites from the underground tank, hazardous waste generator and business plan/2185 programs.

Date of Government Version: 08/20/2013
Date Data Arrived at EDR: 08/23/2013
Date Made Active in Reports: 10/08/2013
Number of Days to Update: 46

Source: Contra Costa Health Services Department
Telephone: 925-646-2286
Last EDR Contact: 08/05/2013
Next Scheduled EDR Contact: 11/18/2013
Data Release Frequency: Semi-Annually

DEL NORTE COUNTY:

CUPA Facility List
Cupa Facility list

Date of Government Version: 01/09/2013
Date Data Arrived at EDR: 01/10/2013
Date Made Active in Reports: 02/25/2013
Number of Days to Update: 46

Source: Del Norte County Environmental Health Division
Telephone: 707-465-0426
Last EDR Contact: 09/20/2013
Next Scheduled EDR Contact: 08/19/2013
Data Release Frequency: Varies

EL DORADO COUNTY:

CUPA Facility List
CUPA facility list.

Date of Government Version: 08/20/2013
Date Data Arrived at EDR: 08/23/2013
Date Made Active in Reports: 10/08/2013
Number of Days to Update: 46

Source: El Dorado County Environmental Management Department
Telephone: 530-621-6623
Last EDR Contact: 08/05/2013
Next Scheduled EDR Contact: 11/18/2013
Data Release Frequency: Varies

FRESNO COUNTY:

CUPA Resources List
Certified Unified Program Agency. CUPA's are responsible for implementing a unified hazardous materials and hazardous waste management regulatory program. The agency provides oversight of businesses that deal with hazardous materials, operate underground storage tanks or aboveground storage tanks.

Date of Government Version: 06/30/2013
Date Data Arrived at EDR: 07/16/2013
Date Made Active in Reports: 07/24/2013
Number of Days to Update: 8

Source: Dept. of Community Health
Telephone: 559-445-3271
Last EDR Contact: 10/09/2013
Next Scheduled EDR Contact: 01/27/2014
Data Release Frequency: Semi-Annually

HUMBOLDT COUNTY:

CUPA Facility List
CUPA facility list.

Date of Government Version: 08/09/2013
Date Data Arrived at EDR: 08/09/2013
Date Made Active in Reports: 08/22/2013
Number of Days to Update: 13

Source: Humboldt County Environmental Health
Telephone: N/A
Last EDR Contact: 08/09/2013
Next Scheduled EDR Contact: 12/09/2013
Data Release Frequency: Varies

IMPERIAL COUNTY:

CUPA Facility List
Cupa facility list.

Date of Government Version: 07/26/2013
Date Data Arrived at EDR: 08/09/2013
Date Made Active in Reports: 08/22/2013
Number of Days to Update: 13

Source: San Diego Border Field Office
Telephone: 760-339-2777
Last EDR Contact: 08/08/2013
Next Scheduled EDR Contact: 11/11/2013
Data Release Frequency: Varies

INYO COUNTY:

CUPA Facility List
Cupa facility list.

Date of Government Version: 09/10/2013
Date Data Arrived at EDR: 09/11/2013
Date Made Active in Reports: 10/14/2013
Number of Days to Update: 33

Source: Inyo County Environmental Health Services
Telephone: 760-878-0238
Last EDR Contact: 09/10/2013
Next Scheduled EDR Contact: 12/09/2013
Data Release Frequency: Varies

KERN COUNTY:

Underground Storage Tank Sites & Tank Listing
Kern County Sites and Tanks Listing.

Date of Government Version: 08/31/2010
Date Data Arrived at EDR: 09/01/2010
Date Made Active in Reports: 09/30/2010
Number of Days to Update: 29

Source: Kern County Environment Health Services Department
Telephone: 661-862-8700
Last EDR Contact: 08/07/2013
Next Scheduled EDR Contact: 11/25/2013
Data Release Frequency: Quarterly

KINGS COUNTY:

CUPA Facility List
A listing of sites included in the county's Certified Unified Program Agency database. California's Secretary for Environmental Protection established the unified hazardous materials and hazardous waste regulatory program as required by chapter 6.11 of the California Health and Safety Code. The Unified Program consolidates the administration, permits, inspections, and enforcement activities.

Date of Government Version: 08/22/2013
Date Data Arrived at EDR: 08/27/2013
Date Made Active in Reports: 10/08/2013
Number of Days to Update: 42

Source: Kings County Department of Public Health
Telephone: 559-584-1411
Last EDR Contact: 08/22/2013
Next Scheduled EDR Contact: 12/09/2013
Data Release Frequency: Varies

LAKE COUNTY:

CUPA Facility List
Cupa facility list

Date of Government Version: 01/23/2013
Date Data Arrived at EDR: 01/25/2013
Date Made Active in Reports: 02/27/2013
Number of Days to Update: 33

Source: Lake County Environmental Health
Telephone: 707-263-1164
Last EDR Contact: 07/18/2013
Next Scheduled EDR Contact: 11/04/2013
Data Release Frequency: Varies

LOS ANGELES COUNTY:

San Gabriel Valley Areas of Concern
San Gabriel Valley areas where VOC contamination is at or above the MCL as designated by region 9 EPA office.

Date of Government Version: 03/30/2009
Date Data Arrived at EDR: 03/31/2009
Date Made Active in Reports: 10/23/2009
Number of Days to Update: 206

Source: EPA Region 9
Telephone: 415-972-3178
Last EDR Contact: 09/23/2013
Next Scheduled EDR Contact: 01/08/2014
Data Release Frequency: No Update Planned

HMS: Street Number List
Industrial Waste and Underground Storage Tank Sites.

Date of Government Version: 03/28/2013
Date Data Arrived at EDR: 06/17/2013
Date Made Active in Reports: 08/21/2013
Number of Days to Update: 65

Source: Department of Public Works
Telephone: 626-458-3517
Last EDR Contact: 10/09/2013
Next Scheduled EDR Contact: 01/27/2014
Data Release Frequency: Semi-Annually

List of Solid Waste Facilities
Solid Waste Facilities in Los Angeles County.

Date of Government Version: 07/22/2013
Date Data Arrived at EDR: 07/22/2013
Date Made Active in Reports: 08/26/2013
Number of Days to Update: 35

Source: La County Department of Public Works
Telephone: 818-458-5185
Last EDR Contact: 07/22/2013
Next Scheduled EDR Contact: 11/04/2013
Data Release Frequency: Varies

City of Los Angeles Landfills
Landfills owned and maintained by the City of Los Angeles.

Date of Government Version: 03/05/2009
Date Data Arrived at EDR: 03/10/2009
Date Made Active in Reports: 04/08/2009
Number of Days to Update: 29

Source: Engineering & Construction Division
Telephone: 213-473-7869
Last EDR Contact: 07/17/2013
Next Scheduled EDR Contact: 11/04/2013
Data Release Frequency: Varies

Site Mitigation List
Industrial sites that have had some sort of spill or complaint.

Date of Government Version: 01/30/2013
Date Data Arrived at EDR: 02/21/2013
Date Made Active in Reports: 03/25/2013
Number of Days to Update: 32

Source: Community Health Services
Telephone: 323-890-7806
Last EDR Contact: 07/17/2013
Next Scheduled EDR Contact: 11/04/2013
Data Release Frequency: Annually

City of El Segundo Underground Storage Tank
Underground storage tank sites located in El Segundo city.

Date of Government Version: 07/31/2013
Date Data Arrived at EDR: 08/01/2013
Date Made Active in Reports: 08/27/2013
Number of Days to Update: 26

Source: City of El Segundo Fire Department
Telephone: 310-524-2236
Last EDR Contact: 07/18/2013
Next Scheduled EDR Contact: 11/04/2013
Data Release Frequency: Semi-Annually

City of Long Beach Underground Storage Tank

Underground storage tank sites located in the city of Long Beach.

Date of Government Version: 03/28/2003
Date Data Arrived at EDR: 10/23/2003
Date Made Active in Reports: 11/26/2003
Number of Days to Update: 34

Source: City of Long Beach Fire Department
Telephone: 562-570-2563
Last EDR Contact: 07/26/2013
Next Scheduled EDR Contact: 11/11/2013
Data Release Frequency: Annually

City of Torrance Underground Storage Tank

Underground storage tank sites located in the city of Torrance.

Date of Government Version: 07/15/2013
Date Data Arrived at EDR: 07/18/2013
Date Made Active in Reports: 08/20/2013
Number of Days to Update: 33

Source: City of Torrance Fire Department
Telephone: 310-618-2973
Last EDR Contact: 10/09/2013
Next Scheduled EDR Contact: 01/27/2014
Data Release Frequency: Semi-Annually

MADERA COUNTY:

CUPA Facility List

A listing of sites included in the county's Certified Unified Program Agency database. California's Secretary for Environmental Protection established the unified hazardous materials and hazardous waste regulatory program as required by chapter 6.11 of the California Health and Safety Code. The Unified Program consolidates the administration, permits, inspections, and enforcement activities.

Date of Government Version: 04/15/2013
Date Data Arrived at EDR: 04/16/2013
Date Made Active in Reports: 05/17/2013
Number of Days to Update: 31

Source: Madera County Environmental Health
Telephone: 559-675-7823
Last EDR Contact: 08/22/2013
Next Scheduled EDR Contact: 12/09/2013
Data Release Frequency: Varies

MARIN COUNTY:

Underground Storage Tank Sites

Currently permitted USTs in Marin County.

Date of Government Version: 11/26/2012
Date Data Arrived at EDR: 11/28/2012
Date Made Active in Reports: 01/21/2013
Number of Days to Update: 54

Source: Public Works Department Waste Management
Telephone: 415-499-6647
Last EDR Contact: 10/07/2013
Next Scheduled EDR Contact: 01/20/2014
Data Release Frequency: Semi-Annually

MERCED COUNTY:

CUPA Facility List

CUPA facility list.

Date of Government Version: 08/23/2013
Date Data Arrived at EDR: 08/27/2013
Date Made Active in Reports: 10/08/2013
Number of Days to Update: 42

Source: Merced County Environmental Health
Telephone: 209-381-1094
Last EDR Contact: 08/22/2013
Next Scheduled EDR Contact: 12/09/2013
Data Release Frequency: Varies

MONO COUNTY:

CUPA Facility List
CUPA Facility List

Date of Government Version: 09/04/2013
Date Data Arrived at EDR: 09/05/2013
Date Made Active in Reports: 10/14/2013
Number of Days to Update: 39

Source: Mono County Health Department
Telephone: 760-932-5580
Last EDR Contact: 09/03/2013
Next Scheduled EDR Contact: 12/16/2013
Data Release Frequency: Varies

MONTEREY COUNTY:

CUPA Facility Listing
CUPA Program listing from the Environmental Health Division.

Date of Government Version: 09/11/2013
Date Data Arrived at EDR: 09/12/2013
Date Made Active in Reports: 10/14/2013
Number of Days to Update: 32

Source: Monterey County Health Department
Telephone: 831-796-1297
Last EDR Contact: 08/22/2013
Next Scheduled EDR Contact: 12/09/2013
Data Release Frequency: Varies

NAPA COUNTY:

Sites With Reported Contamination
A listing of leaking underground storage tank sites located in Napa county.

Date of Government Version: 12/05/2011
Date Data Arrived at EDR: 12/06/2011
Date Made Active in Reports: 02/07/2012
Number of Days to Update: 63

Source: Napa County Department of Environmental Management
Telephone: 707-253-4269
Last EDR Contact: 09/03/2013
Next Scheduled EDR Contact: 12/16/2013
Data Release Frequency: No Update Planned

Closed and Operating Underground Storage Tank Sites
Underground storage tank sites located in Napa county.

Date of Government Version: 01/15/2008
Date Data Arrived at EDR: 01/16/2008
Date Made Active in Reports: 02/08/2008
Number of Days to Update: 23

Source: Napa County Department of Environmental Management
Telephone: 707-253-4269
Last EDR Contact: 09/03/2013
Next Scheduled EDR Contact: 12/16/2013
Data Release Frequency: No Update Planned

NEVADA COUNTY:

CUPA Facility List
CUPA facility list.

Date of Government Version: 05/29/2013
Date Data Arrived at EDR: 05/30/2013
Date Made Active in Reports: 07/15/2013
Number of Days to Update: 46

Source: Community Development Agency
Telephone: 530-265-1467
Last EDR Contact: 08/15/2013
Next Scheduled EDR Contact: 11/18/2013
Data Release Frequency: Varies

ORANGE COUNTY:

List of Industrial Site Cleanups
Petroleum and non-petroleum spills.

Date of Government Version: 08/01/2013
Date Data Arrived at EDR: 08/13/2013
Date Made Active in Reports: 10/08/2013
Number of Days to Update: 56

Source: Health Care Agency
Telephone: 714-834-3446
Last EDR Contact: 08/07/2013
Next Scheduled EDR Contact: 11/25/2013
Data Release Frequency: Annually

List of Underground Storage Tank Cleanups
Orange County Underground Storage Tank Cleanups (LUST).

Date of Government Version: 08/01/2013
Date Data Arrived at EDR: 08/13/2013
Date Made Active in Reports: 10/08/2013
Number of Days to Update: 56

Source: Health Care Agency
Telephone: 714-834-3446
Last EDR Contact: 08/07/2013
Next Scheduled EDR Contact: 11/25/2013
Data Release Frequency: Quarterly

List of Underground Storage Tank Facilities
Orange County Underground Storage Tank Facilities (UST).

Date of Government Version: 08/01/2013
Date Data Arrived at EDR: 08/13/2013
Date Made Active in Reports: 10/08/2013
Number of Days to Update: 56

Source: Health Care Agency
Telephone: 714-834-3446
Last EDR Contact: 08/07/2013
Next Scheduled EDR Contact: 11/25/2013
Data Release Frequency: Quarterly

PLACER COUNTY:

Master List of Facilities
List includes aboveground tanks, underground tanks and cleanup sites.

Date of Government Version: 08/22/2013
Date Data Arrived at EDR: 08/22/2013
Date Made Active in Reports: 10/10/2013
Number of Days to Update: 49

Source: Placer County Health and Human Services
Telephone: 530-745-2363
Last EDR Contact: 08/20/2013
Next Scheduled EDR Contact: 12/23/2013
Data Release Frequency: Semi-Annually

RIVERSIDE COUNTY:

Listing of Underground Tank Cleanup Sites
Riverside County Underground Storage Tank Cleanup Sites (LUST).

Date of Government Version: 07/18/2013
Date Data Arrived at EDR: 07/18/2013
Date Made Active in Reports: 07/24/2013
Number of Days to Update: 6

Source: Department of Environmental Health
Telephone: 951-358-5055
Last EDR Contact: 09/23/2013
Next Scheduled EDR Contact: 01/08/2014
Data Release Frequency: Quarterly

Underground Storage Tank Tank List
Underground storage tank sites located in Riverside county.

Date of Government Version: 07/18/2013
Date Data Arrived at EDR: 07/18/2013
Date Made Active in Reports: 08/20/2013
Number of Days to Update: 33

Source: Department of Environmental Health
Telephone: 951-358-5055
Last EDR Contact: 09/23/2013
Next Scheduled EDR Contact: 01/08/2014
Data Release Frequency: Quarterly

SACRAMENTO COUNTY:

Toxic Site Clean-Up List

List of sites where unauthorized releases of potentially hazardous materials have occurred.

Date of Government Version: 05/03/2013
Date Data Arrived at EDR: 07/08/2013
Date Made Active in Reports: 07/24/2013
Number of Days to Update: 16

Source: Sacramento County Environmental Management
Telephone: 916-875-8406
Last EDR Contact: 10/07/2013
Next Scheduled EDR Contact: 01/20/2014
Data Release Frequency: Quarterly

Master Hazardous Materials Facility List

Any business that has hazardous materials on site - hazardous material storage sites, underground storage tanks, waste generators.

Date of Government Version: 05/03/2013
Date Data Arrived at EDR: 07/08/2013
Date Made Active in Reports: 08/23/2013
Number of Days to Update: 46

Source: Sacramento County Environmental Management
Telephone: 916-875-8406
Last EDR Contact: 10/07/2013
Next Scheduled EDR Contact: 01/20/2014
Data Release Frequency: Quarterly

SAN BERNARDINO COUNTY:

Hazardous Material Permits

This listing includes underground storage tanks, medical waste handlers/generators, hazardous materials handlers, hazardous waste generators, and waste oil generators/handlers.

Date of Government Version: 09/03/2013
Date Data Arrived at EDR: 09/03/2013
Date Made Active in Reports: 10/10/2013
Number of Days to Update: 37

Source: San Bernardino County Fire Department Hazardous Materials Division
Telephone: 909-387-3041
Last EDR Contact: 08/08/2013
Next Scheduled EDR Contact: 11/25/2013
Data Release Frequency: Quarterly

SAN DIEGO COUNTY:

Hazardous Materials Management Division Database

The database includes: HE58 - This report contains the business name, site address, business phone number, establishment 'H' permit number, type of permit, and the business status. HE17 - In addition to providing the same information provided in the HE58 listing, HE17 provides inspection dates, violations received by the establishment, hazardous waste generated, the quantity, method of storage, treatment/disposal of waste and the hauler, and information on underground storage tanks. Unauthorized Release List - Includes a summary of environmental contamination cases in San Diego County (underground tank cases, non-tank cases, groundwater contamination, and soil contamination are included.)

Date of Government Version: 08/17/2012
Date Data Arrived at EDR: 08/20/2012
Date Made Active in Reports: 10/03/2012
Number of Days to Update: 44

Source: Hazardous Materials Management Division
Telephone: 619-338-2268
Last EDR Contact: 09/23/2013
Next Scheduled EDR Contact: 12/23/2013
Data Release Frequency: Quarterly

Solid Waste Facilities

San Diego County Solid Waste Facilities.

Date of Government Version: 10/31/2012
Date Data Arrived at EDR: 11/06/2012
Date Made Active in Reports: 11/30/2012
Number of Days to Update: 24

Source: Department of Health Services
Telephone: 619-338-2209
Last EDR Contact: 07/24/2013
Next Scheduled EDR Contact: 11/11/2013
Data Release Frequency: Varies

Environmental Case Listing
The listing contains all underground tank release cases and projects pertaining to properties contaminated with hazardous substances that are actively under review by the Site Assessment and Mitigation Program.

Date of Government Version: 03/23/2010
Date Data Arrived at EDR: 06/15/2010
Date Made Active in Reports: 07/09/2010
Number of Days to Update: 24
Source: San Diego County Department of Environmental Health
Telephone: 619-338-2371
Last EDR Contact: 09/10/2013
Next Scheduled EDR Contact: 12/23/2013
Data Release Frequency: No Update Planned

SAN FRANCISCO COUNTY:

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: 08/07/2013
Next Scheduled EDR Contact: 11/25/2013
Data Release Frequency: Quarterly

Underground Storage Tank Information
Underground storage tank sites located in San Francisco county.

Date of Government Version: 11/29/2010
Date Data Arrived at EDR: 03/10/2011
Date Made Active in Reports: 03/15/2011
Number of Days to Update: 5
Source: Department of Public Health
Telephone: 415-252-3920
Last EDR Contact: 08/07/2013
Next Scheduled EDR Contact: 11/25/2013
Data Release Frequency: Quarterly

SAN JOAQUIN COUNTY:

San Joaquin Co. UST
A listing of underground storage tank locations in San Joaquin county.

Date of Government Version: 06/18/2013
Date Data Arrived at EDR: 06/24/2013
Date Made Active in Reports: 08/20/2013
Number of Days to Update: 57
Source: Environmental Health Department
Telephone: N/A
Last EDR Contact: 09/23/2013
Next Scheduled EDR Contact: 01/08/2014
Data Release Frequency: Semi-Annually

SAN LUIS OBISPO COUNTY:

CUPA Facility List
Cupa Facility List.

Date of Government Version: 08/26/2013
Date Data Arrived at EDR: 08/27/2013
Date Made Active in Reports: 10/10/2013
Number of Days to Update: 44
Source: San Luis Obispo County Public Health Department
Telephone: 805-781-5596
Last EDR Contact: 08/22/2013
Next Scheduled EDR Contact: 12/09/2013
Data Release Frequency: Varies

SAN MATEO COUNTY:

Business Inventory
List includes Hazardous Materials Business Plan, hazardous waste generators, and underground storage tanks.

Date of Government Version: 07/02/2013
Date Data Arrived at EDR: 07/05/2013
Date Made Active in Reports: 08/23/2013
Number of Days to Update: 49

Source: San Mateo County Environmental Health Services Division
Telephone: 650-363-1921
Last EDR Contact: 06/13/2013
Next Scheduled EDR Contact: 09/30/2013
Data Release Frequency: Annually

Fuel Leak List

A listing of leaking underground storage tank sites located in San Mateo county.

Date of Government Version: 06/17/2013
Date Data Arrived at EDR: 06/18/2013
Date Made Active in Reports: 08/21/2013
Number of Days to Update: 64

Source: San Mateo County Environmental Health Services Division
Telephone: 650-363-1921
Last EDR Contact: 09/16/2013
Next Scheduled EDR Contact: 12/30/2013
Data Release Frequency: Semi-Annually

SANTA BARBARA COUNTY:

CUPA Facility Listing

CUPA Program Listing from the Environmental Health Services division.

Date of Government Version: 09/08/2011
Date Data Arrived at EDR: 09/09/2011
Date Made Active in Reports: 10/07/2011
Number of Days to Update: 28

Source: Santa Barbara County Public Health Department
Telephone: 805-686-8167
Last EDR Contact: 09/23/2013
Next Scheduled EDR Contact: 12/09/2013
Data Release Frequency: Varies

SANTA CLARA COUNTY:

Cupa Facility List

Cupa facility list

Date of Government Version: 09/03/2013
Date Data Arrived at EDR: 09/04/2013
Date Made Active in Reports: 10/10/2013
Number of Days to Update: 36

Source: Department of Environmental Health
Telephone: 408-918-1973
Last EDR Contact: 09/03/2013
Next Scheduled EDR Contact: 12/16/2013
Data Release Frequency: Varies

HIST LUST - Fuel Leak Site Activity Report

A listing of open and closed leaking underground storage tanks. This listing is no longer updated by the county. Leaking underground storage tanks are now handled by the Department of Environmental Health.

Date of Government Version: 03/29/2005
Date Data Arrived at EDR: 03/30/2005
Date Made Active in Reports: 04/21/2005
Number of Days to Update: 22

Source: Santa Clara Valley Water District
Telephone: 408-265-2600
Last EDR Contact: 03/23/2009
Next Scheduled EDR Contact: 06/22/2009
Data Release Frequency: No Update Planned

LOP Listing

A listing of leaking underground storage tanks located in Santa Clara county.

Date of Government Version: 09/03/2013
Date Data Arrived at EDR: 09/06/2013
Date Made Active in Reports: 10/14/2013
Number of Days to Update: 38

Source: Department of Environmental Health
Telephone: 408-918-3417
Last EDR Contact: 09/03/2013
Next Scheduled EDR Contact: 12/16/2013
Data Release Frequency: Annually

Hazardous Material Facilities

Hazardous material facilities, including underground storage tank sites.

Date of Government Version: 08/14/2013
Date Data Arrived at EDR: 08/16/2013
Date Made Active in Reports: 10/08/2013
Number of Days to Update: 53

Source: City of San Jose Fire Department
Telephone: 408-535-7694
Last EDR Contact: 08/08/2013
Next Scheduled EDR Contact: 11/25/2013
Data Release Frequency: Annually

SANTA CRUZ COUNTY:

CUPA Facility List
CUPA facility listing.

Date of Government Version: 08/22/2013
Date Data Arrived at EDR: 08/27/2013
Date Made Active in Reports: 10/10/2013
Number of Days to Update: 44

Source: Santa Cruz County Environmental Health
Telephone: 831-464-2761
Last EDR Contact: 08/22/2013
Next Scheduled EDR Contact: 12/09/2013
Data Release Frequency: Varies

SHASTA COUNTY:

CUPA Facility List
Cupa Facility List.

Date of Government Version: 09/09/2013
Date Data Arrived at EDR: 09/10/2013
Date Made Active in Reports: 10/14/2013
Number of Days to Update: 34

Source: Shasta County Department of Resource Management
Telephone: 530-225-5789
Last EDR Contact: 08/22/2013
Next Scheduled EDR Contact: 12/09/2013
Data Release Frequency: Varies

SOLANO COUNTY:

Leaking Underground Storage Tanks
A listing of leaking underground storage tank sites located in Solano county.

Date of Government Version: 06/17/2013
Date Data Arrived at EDR: 06/20/2013
Date Made Active in Reports: 08/12/2013
Number of Days to Update: 53

Source: Solano County Department of Environmental Management
Telephone: 707-784-6770
Last EDR Contact: 09/16/2013
Next Scheduled EDR Contact: 12/30/2013
Data Release Frequency: Quarterly

Underground Storage Tanks
Underground storage tank sites located in Solano county.

Date of Government Version: 06/17/2013
Date Data Arrived at EDR: 06/20/2013
Date Made Active in Reports: 08/20/2013
Number of Days to Update: 61

Source: Solano County Department of Environmental Management
Telephone: 707-784-6770
Last EDR Contact: 09/16/2013
Next Scheduled EDR Contact: 12/30/2013
Data Release Frequency: Quarterly

SONOMA COUNTY:

Cupa Facility List
Cupa Facility list

Date of Government Version: 07/05/2013
Date Data Arrived at EDR: 07/05/2013
Date Made Active in Reports: 08/21/2013
Number of Days to Update: 47

Source: County of Sonoma Fire & Emergency Services Department
Telephone: 707-565-1174
Last EDR Contact: 09/30/2013
Next Scheduled EDR Contact: 01/13/2014
Data Release Frequency: Varies

Leaking Underground Storage Tank Sites
A listing of leaking underground storage tank sites located in Sonoma county.

Date of Government Version: 07/02/2013
Date Data Arrived at EDR: 07/05/2013
Date Made Active in Reports: 08/12/2013
Number of Days to Update: 38

Source: Department of Health Services
Telephone: 707-565-6565
Last EDR Contact: 09/30/2013
Next Scheduled EDR Contact: 01/13/2014
Data Release Frequency: Quarterly

SUTTER COUNTY:

Underground Storage Tanks
Underground storage tank sites located in Sutter county.

Date of Government Version: 09/10/2013
Date Data Arrived at EDR: 09/11/2013
Date Made Active in Reports: 10/14/2013
Number of Days to Update: 33

Source: Sutter County Department of Agriculture
Telephone: 530-822-7500
Last EDR Contact: 09/10/2013
Next Scheduled EDR Contact: 12/23/2013
Data Release Frequency: Semi-Annually

TUOLUMNE COUNTY:

CUPA Facility List
Cupa facility list

Date of Government Version: 01/14/2013
Date Data Arrived at EDR: 01/16/2013
Date Made Active in Reports: 02/27/2013
Number of Days to Update: 42

Source: Divison of Environmental Health
Telephone: 209-533-5633
Last EDR Contact: 07/26/2013
Next Scheduled EDR Contact: 11/11/2013
Data Release Frequency: Varies

VENTURA COUNTY:

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: 08/19/2013
Date Data Arrived at EDR: 08/27/2013
Date Made Active in Reports: 10/10/2013
Number of Days to Update: 44

Source: Ventura County Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 08/19/2013
Next Scheduled EDR Contact: 12/02/2013
Data Release Frequency: Quarterly

Inventory of Illegal Abandoned and Inactive Sites
Ventura County Inventory of Closed, Illegal Abandoned, and Inactive Sites.

Date of Government Version: 12/01/2011
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: 10/07/2013
Next Scheduled EDR Contact: 01/20/2014
Data Release Frequency: Annually

Listing of Underground Tank Cleanup Sites
Ventura County Underground Storage Tank Cleanup Sites (LUST).

Date of Government Version: 05/29/2008
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: 08/19/2013
Next Scheduled EDR Contact: 12/02/2013
Data Release Frequency: Quarterly

Medical Waste Program List
To protect public health and safety and the environment from potential exposure to disease causing agents, the Environmental Health Division Medical Waste Program regulates the generation, handling, storage, treatment and disposal of medical waste throughout the County.

Date of Government Version: 05/28/2013
Date Data Arrived at EDR: 06/24/2013
Date Made Active in Reports: 08/12/2013
Number of Days to Update: 49
Source: Ventura County Resource Management Agency
Telephone: 805-654-2813
Last EDR Contact: 07/30/2013
Next Scheduled EDR Contact: 11/11/2013
Data Release Frequency: Quarterly

Underground Tank Closed Sites List
Ventura County Operating Underground Storage Tank Sites (UST)/Underground Tank Closed Sites List.

Date of Government Version: 05/28/2013
Date Data Arrived at EDR: 06/17/2013
Date Made Active in Reports: 08/20/2013
Number of Days to Update: 64
Source: Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 09/16/2013
Next Scheduled EDR Contact: 12/30/2013
Data Release Frequency: Quarterly

YOLO COUNTY:

Underground Storage Tank Comprehensive Facility Report
Underground storage tank sites located in Yolo county.

Date of Government Version: 06/24/2013
Date Data Arrived at EDR: 06/26/2013
Date Made Active in Reports: 08/20/2013
Number of Days to Update: 55
Source: Yolo County Department of Health
Telephone: 530-666-8646
Last EDR Contact: 09/23/2013
Next Scheduled EDR Contact: 01/08/2014
Data Release Frequency: Annually

YUBA COUNTY:

CUPA Facility List
CUPA facility listing for Yuba County.

Date of Government Version: 08/01/2013
Date Data Arrived at EDR: 08/05/2013
Date Made Active in Reports: 08/22/2013
Number of Days to Update: 17
Source: Yuba County Environmental Health Department
Telephone: 530-749-7523
Last EDR Contact: 07/31/2013
Next Scheduled EDR Contact: 11/18/2013
Data Release Frequency: Varies

OTHER DATABASE(S)

Depending on the geographic area covered by this report, the data provided in these specialty databases may or may not be complete. For example, the existence of wetlands information data in a specific report does not mean that all wetlands in the area covered by the report are included. Moreover, the absence of any reported wetlands information does not necessarily mean that wetlands do not exist in the area covered by the report.

CT MANIFEST: Hazardous Waste Manifest Data
Facility and manifest data. Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a tsd facility.

Date of Government Version: 07/30/2013
Date Data Arrived at EDR: 08/19/2013
Date Made Active in Reports: 10/03/2013
Number of Days to Update: 45
Source: Department of Energy & Environmental Protection
Telephone: 860-424-3375
Last EDR Contact: 08/19/2013
Next Scheduled EDR Contact: 12/02/2013
Data Release Frequency: Annually

NJ MANIFEST: Manifest Information
Hazardous waste manifest information.

Date of Government Version: 12/31/2011
Date Data Arrived at EDR: 07/19/2012
Date Made Active in Reports: 08/28/2012
Number of Days to Update: 40

Source: Department of Environmental Protection
Telephone: N/A
Last EDR Contact: 07/19/2013
Next Scheduled EDR Contact: 10/28/2013
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: 08/01/2013
Date Data Arrived at EDR: 08/07/2013
Date Made Active in Reports: 09/10/2013
Number of Days to Update: 34

Source: Department of Environmental Conservation
Telephone: 518-402-8651
Last EDR Contact: 08/07/2013
Next Scheduled EDR Contact: 11/18/2013
Data Release Frequency: Annually

PA MANIFEST: Manifest Information
Hazardous waste manifest information.

Date of Government Version: 12/31/2012
Date Data Arrived at EDR: 07/24/2013
Date Made Active in Reports: 08/19/2013
Number of Days to Update: 26

Source: Department of Environmental Protection
Telephone: 717-783-8990
Last EDR Contact: 07/18/2013
Next Scheduled EDR Contact: 11/04/2013
Data Release Frequency: Annually

RI MANIFEST: Manifest information
Hazardous waste manifest information

Date of Government Version: 12/31/2012
Date Data Arrived at EDR: 06/21/2013
Date Made Active in Reports: 08/05/2013
Number of Days to Update: 45

Source: Department of Environmental Management
Telephone: 401-222-2797
Last EDR Contact: 08/23/2013
Next Scheduled EDR Contact: 12/09/2013
Data Release Frequency: Annually

WI MANIFEST: Manifest Information
Hazardous waste manifest information.

Date of Government Version: 12/31/2012
Date Data Arrived at EDR: 08/09/2013
Date Made Active in Reports: 09/27/2013
Number of Days to Update: 49

Source: Department of Natural Resources
Telephone: N/A
Last EDR Contact: 09/16/2013
Next Scheduled EDR Contact: 12/30/2013
Data Release Frequency: Annually

Oil/Gas Pipelines: This data was obtained by EDR from the USGS in 1994. It is referred to by USGS as GeoData Digital Line Graphs from 1:100,000-Scale Maps. It was extracted from the transportation category including some oil, but primarily gas pipelines.

Electric Power Transmission Line Data
Source: Rextag Strategies Corp.
Telephone: (281) 769-2247
U.S. Electric Transmission and Power Plants Systems Digital GIS Data

Sensitive Receptors: There are individuals deemed sensitive receptors due to their fragile immune systems and special sensitivity to environmental discharges. These sensitive receptors typically include the elderly, the sick, and children. While the location of all sensitive receptors cannot be determined, EDR indicates those buildings and facilities - schools, daycares, hospitals, medical centers, and nursing homes - where individuals who are sensitive receptors are likely to be located.

AHA Hospitals:
Source: American Hospital Association, Inc.
Telephone: 312-280-5991
The database includes a listing of hospitals based on the American Hospital Association's annual survey of hospitals.

Medical Centers: Provider of Services Listing
Source: Centers for Medicare & Medicaid Services
Telephone: 410-786-3000
A listing of hospitals with Medicare provider number, produced by Centers of Medicare & Medicaid Services, a federal agency within the U.S. Department of Health and Human Services.

Nursing Homes
Source: National Institutes of Health
Telephone: 301-594-6248
Information on Medicare and Medicaid certified nursing homes in the United States.

Public Schools
Source: National Center for Education Statistics
Telephone: 202-502-7300
The National Center for Education Statistics' primary database on elementary and secondary public education in the United States. It is a comprehensive, annual, national statistical database of all public elementary and secondary schools and school districts, which contains data that are comparable across all states.

Private Schools
Source: National Center for Education Statistics
Telephone: 202-502-7300
The National Center for Education Statistics' primary database on private school locations in the United States.

Daycare Centers: Licensed Facilities
Source: Department of Social Services
Telephone: 916-657-4041

Flood Zone Data: This data, available in select counties across the country, was obtained by EDR in 2003 & 2011 from the Federal Emergency Management Agency (FEMA). Data depicts 100-year and 500-year flood zones as defined by FEMA.

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002 and 2005 from the U.S. Fish and Wildlife Service.

Scanned Digital USGS 7.5' Topographic Map (DRG)
Source: United States Geologic Survey
A digital raster graphic (DRG) is a scanned image of a U.S. Geological Survey topographic map. The map images are made by scanning published paper maps on high-resolution scanners. The raster image is georeferenced and fit to the Universal Transverse Mercator (UTM) projection.

STREET AND ADDRESS INFORMATION

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GEOCHECK ®- PHYSICAL SETTING SOURCE ADDENDUM

TARGET PROPERTY ADDRESS

CALTRANS STORAGE YARD
21195 CANTER STREET
CASTRO VALLEY, CA 94546

TARGET PROPERTY COORDINATES

Latitude (North):	37.6938 - 37° 41' 37.68''
Longitude (West):	122.0631 - 122° 3' 47.16''
Universal Tranverse Mercator:	Zone 10
UTM X (Meters):	582601.1
UTM Y (Meters):	4172050.5
Elevation:	228 ft. above sea level

USGS TOPOGRAPHIC MAP

Target Property Map:	37122-F1 HAYWARD, CA
Most Recent Revision:	1980

EDR's GeoCheck Physical Setting Source Addendum is provided to assist the environmental professional in forming an opinion about the impact of potential contaminant migration.

Assessment of the impact of contaminant migration generally has two principal investigative components:

1. Groundwater flow direction, and
2. Groundwater flow velocity.

Groundwater flow direction may be impacted by surface topography, hydrology, hydrogeology, characteristics of the soil, and nearby wells. Groundwater flow velocity is generally impacted by the nature of the geologic strata.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW DIRECTION INFORMATION

Groundwater flow direction for a particular site is best determined by a qualified environmental professional using site-specific well data. If such data is not reasonably ascertainable, it may be necessary to rely on other sources of information, such as surface topographic information, hydrologic information, hydrogeologic data collected on nearby properties, and regional groundwater flow information (from deep aquifers).

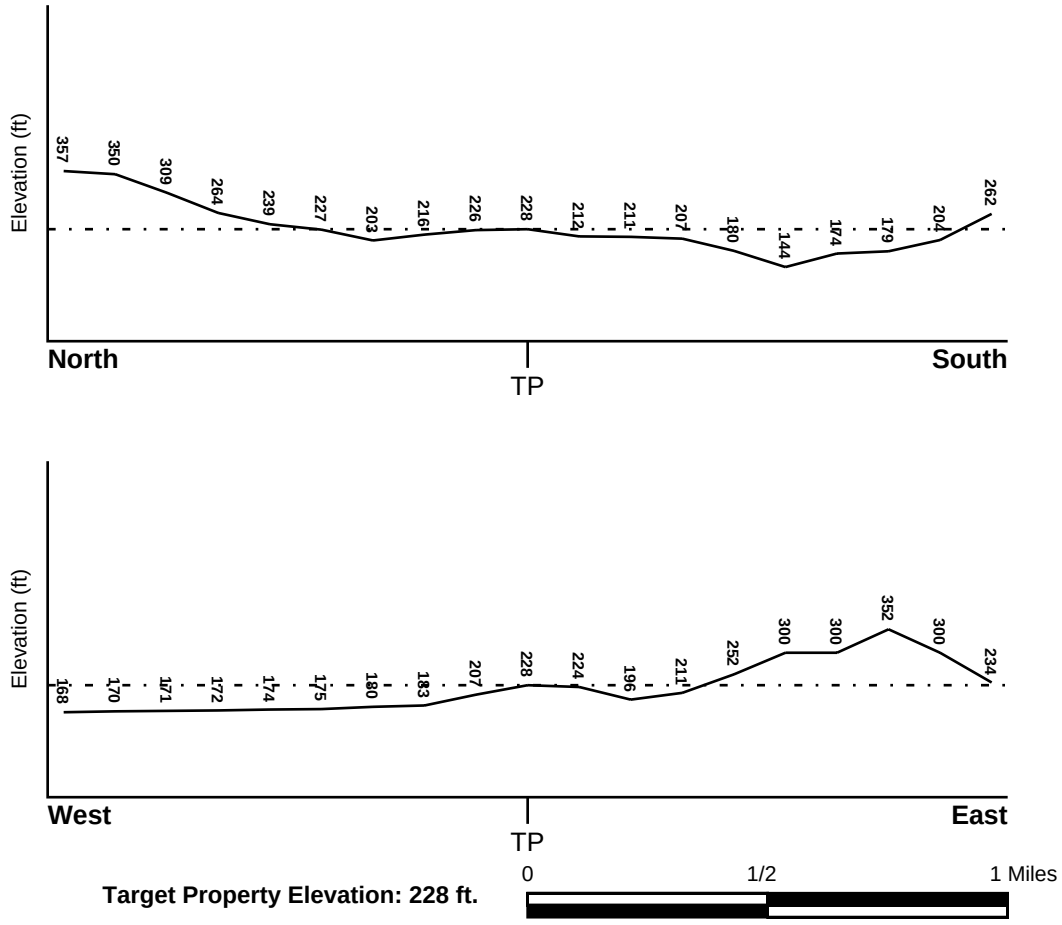
TOPOGRAPHIC INFORMATION

Surface topography may be indicative of the direction of surficial groundwater flow. This information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

TARGET PROPERTY TOPOGRAPHY

General Topographic Gradient: General West

SURROUNDING TOPOGRAPHY: ELEVATION PROFILES



Target Property Elevation: 228 ft.

Source: Topography has been determined from the USGS 7.5' Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

HYDROLOGIC INFORMATION

Surface water can act as a hydrologic barrier to groundwater flow. Such hydrologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Refer to the Physical Setting Source Map following this summary for hydrologic information (major waterways and bodies of water).

FEMA FLOOD ZONE

Target Property County	FEMA Flood Electronic Data
ALAMEDA, CA	YES - refer to the Overview Map and Detail Map

Flood Plain Panel at Target Property: 06001C - FEMA DFIRM Flood data

Additional Panels in search area: Not Reported

NATIONAL WETLAND INVENTORY

NWI Quad at Target Property	NWI Electronic Data Coverage
HAYWARD	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
1	0 - 1/8 Mile SE	SW
A2	0 - 1/8 Mile SW	Varies
A3	0 - 1/8 Mile SW	Varies
A4	0 - 1/8 Mile SW	N,SE,S,SW,W
A5	0 - 1/8 Mile SW	W
6	1/8 - 1/4 Mile WSW	NW
B7	1/4 - 1/2 Mile SSE	SE
B8	1/4 - 1/2 Mile South	SW
C9	1/4 - 1/2 Mile West	NW

* ©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

MAP ID	LOCATION FROM TP	GENERAL DIRECTION GROUNDWATER FLOW
C10	1/4 - 1/2 Mile West	NW
D11	1/4 - 1/2 Mile West	Varies
D12	1/4 - 1/2 Mile West	NE
E13	1/2 - 1 Mile NNE	Varies
E14	1/2 - 1 Mile NNE	SW
15	1/2 - 1 Mile West	Varies
F16	1/2 - 1 Mile NNE	Varies
F17	1/2 - 1 Mile NNE	Varies
G18	1/2 - 1 Mile West	Varies
G19	1/2 - 1 Mile West	Varies
H20	1/2 - 1 Mile West	Varies
H21	1/2 - 1 Mile West	Varies
22	1/2 - 1 Mile SW	NW
H23	1/2 - 1 Mile West	SW
H24	1/2 - 1 Mile West	SW
25	1/2 - 1 Mile SW	NW
26	1/2 - 1 Mile West	SW

For additional site information, refer to Physical Setting Source Map Findings.

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

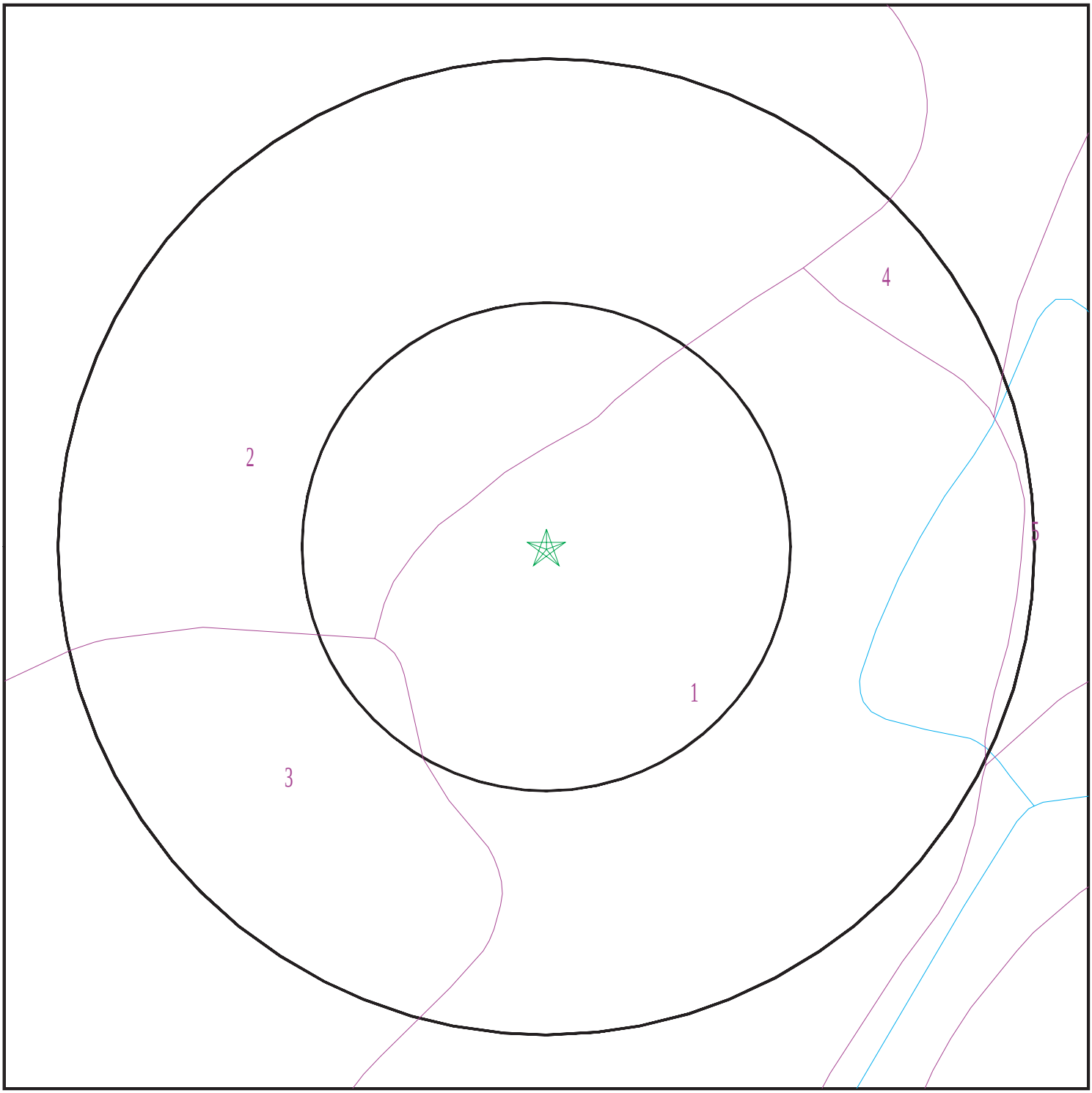
Era:	Mesozoic
System:	Cretaceous
Series:	Upper Cretaceous
Code:	uK *(decoded above as Era, System & Series)*

GEOLOGIC AGE IDENTIFICATION

Category: Stratified Sequence

Geologic Age and Rock Stratigraphic Unit Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - a digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

SSURGO SOIL MAP - 3758076.2s



SITE NAME:	Caltrans Storage Yard	CLIENT:	Cardno ATC #75
ADDRESS:	21195 Canter Street Castro Valley CA 94546	CONTACT:	Destiny Hazra
LAT/LONG:	37.6938 / 122.0631	INQUIRY #:	3758076.2s
		DATE:	October 15, 2013 4:03 pm

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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: Altamont

Soil Surface Texture: clay

Hydrologic Group: Class D - Very slow infiltration rates. Soils are clayey, have a high water table, or are shallow to an impervious layer.

Soil Drainage Class: Well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: High

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	27 inches	clay	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit 50% or more), Fat Clay.	Max: 1.4 Min: 0.42	Max: 8.4 Min: 6.1
2	27 inches	50 inches	clay	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit 50% or more), Fat Clay.	Max: 1.4 Min: 0.42	Max: 8.4 Min: 7.4
3	50 inches	53 inches	weathered bedrock	Not reported	Not reported	Max: 0 Min: 0	Max: Min:

Soil Map ID: 2

Soil Component Name: Clear Lake

Soil Surface Texture: clay

Hydrologic Group: Class D - Very slow infiltration rates. Soils are clayey, have a high water table, or are shallow to an impervious layer.

Soil Drainage Class:

Hydric Status: Partially hydric

Corrosion Potential - Uncoated Steel: High

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	25 inches	clay	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit 50% or more), Fat Clay.	Max: 1.4 Min: 0.42	Max: 8.4 Min: 6.1
2	25 inches	59 inches	clay	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit 50% or more), Fat Clay.	Max: 1.4 Min: 0.42	Max: 8.4 Min: 7.4

Soil Map ID: 3

Soil Component Name: Azule

Soil Surface Texture: clay loam

Hydrologic Group: Class C - Slow infiltration rates. Soils with layers impeding downward movement of water, or soils with moderately fine or fine textures.

Soil Drainage Class: Well 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	5 inches	clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 4 Min: 1.4	Max: 7.3 Min: 5.6
2	5 inches	25 inches	clay	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit 50% or more), Fat Clay.	Max: 1.4 Min: 0.42	Max: 7.3 Min: 5.6
3	25 inches	29 inches	weathered bedrock	Not reported	Not reported	Max: 0 Min: 0	Max: Min:

Soil Map ID: 4

Soil Component Name: Los Osos

Soil Surface Texture: silty clay loam

Hydrologic Group: Class C - Slow infiltration rates. Soils with layers impeding downward movement of water, or soils with moderately fine or fine textures.

Soil Drainage Class: Well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Moderate

Depth to Bedrock Min: > 51 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	7 inches	silty clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 4 Min: 1.4	Max: 6.5 Min: 5.6

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
2	7 inches	29 inches	silty clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 1.4 Min: 0.42	Max: 7.3 Min: 5.6
3	29 inches	33 inches	weathered bedrock	Not reported	Not reported	Max: 0 Min: 0	Max: Min:

Soil Map ID: 5

Soil Component Name: Los Osos

Soil Surface Texture: silt loam

Hydrologic Group: Class D - Very slow infiltration rates. Soils are clayey, have a high water table, or are shallow to an impervious layer.

Soil Drainage Class: Well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Moderate

Depth to Bedrock Min: > 56 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	7 inches	silt loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay. FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), silt.	Max: 14 Min: 4	Max: 6 Min: 5.6

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
2	7 inches	29 inches	silty clay	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit 50% or more), Fat Clay.	Max: 4 Min: 1.4	Max: 6.5 Min: 6.1
3	29 inches	33 inches	weathered bedrock	Not reported	Not reported	Max: 0 Min: 0	Max: Min:

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
No Wells Found		

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

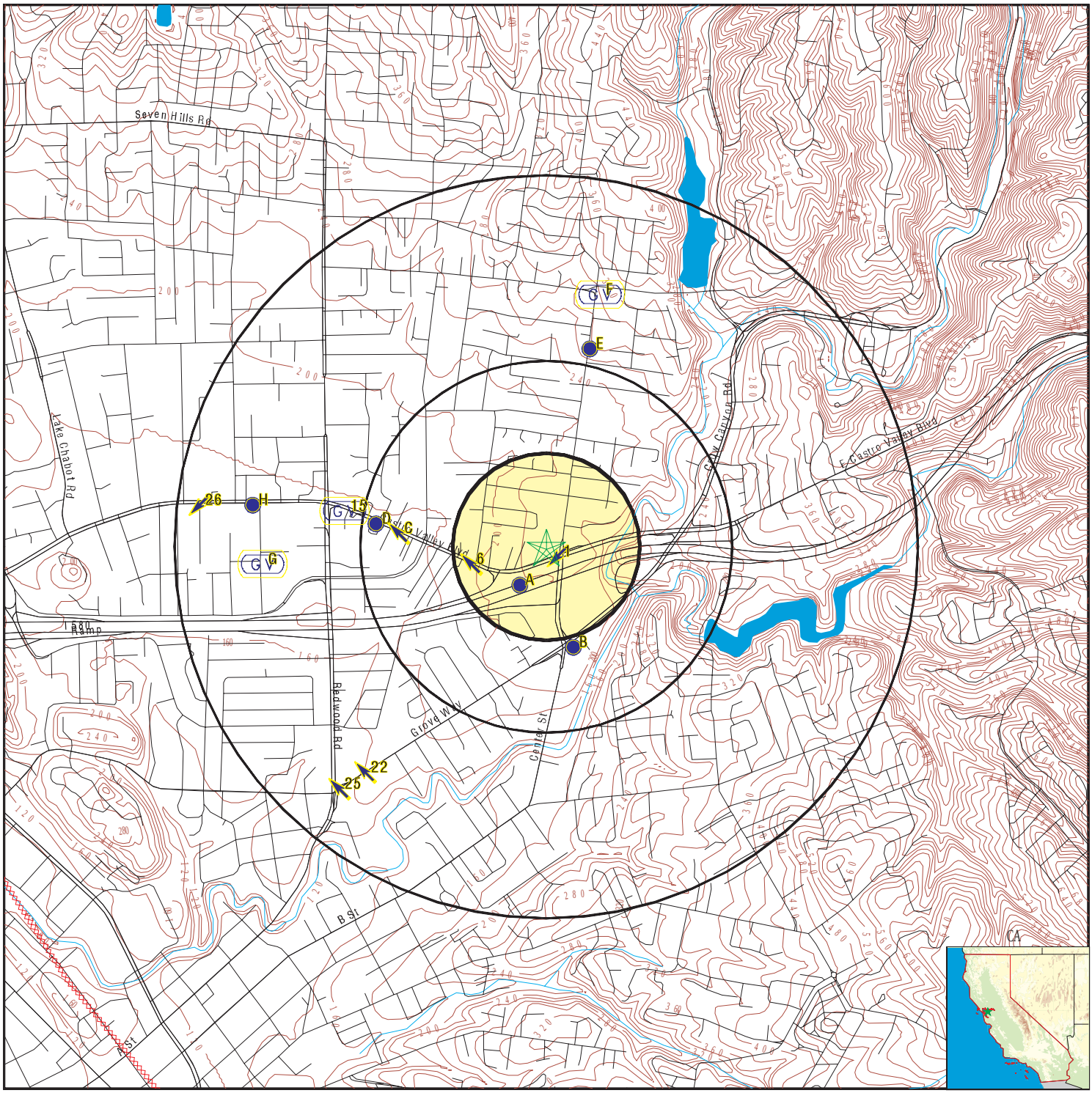
MAP ID	WELL ID	LOCATION FROM TP

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

STATE DATABASE WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
No Wells Found		

PHYSICAL SETTING SOURCE MAP - 3758076.2s



- County Boundary
- Major Roads
- Contour Lines
- Earthquake Fault Lines
- 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:	Caltrans Storage Yard	CLIENT:	Cardno ATC #75
ADDRESS:	21195 Canter Street Castro Valley CA 94546	CONTACT:	Destiny Hazra
		INQUIRY #:	3758076.2s
LAT/LONG:	37.6938 / 122.0631	DATE:	October 15, 2013 4:03 pm

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GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID Direction Distance Elevation			Database	EDR ID Number
1 **SE** **0 - 1/8 Mile** **Lower**	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	01-0746 SW 25.78 32.25 Not Reported 12/26/1996	**AQUIFLOW**	**49974**
A2 **SW** **0 - 1/8 Mile** **Lower**	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	01-1460 Varies 9.5 29.95 Not Reported 12/04/1989	**AQUIFLOW**	**50275**
A3 **SW** **0 - 1/8 Mile** **Lower**	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	01-1460 Varies 16.38 25.77 Not Reported 12/13/1994	**AQUIFLOW**	**50273**
A4 **SW** **0 - 1/8 Mile** **Lower**	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	01-1460 N,SE,S,SW,W 16.38 25.77 Not Reported 12/13/1994	**AQUIFLOW**	**50101**
A5 **SW** **0 - 1/8 Mile** **Lower**	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	01-1460 W 21.93 24.16 Not Reported 10/23/1991	**AQUIFLOW**	**50276**
6 **WSW** **1/8 - 1/4 Mile** **Lower**	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	01-1267 NW Not Reported Not Reported 2-3 12/16/1988	**AQUIFLOW**	**50319**
B7 **SSE** **1/4 - 1/2 Mile** **Lower**	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	01-2077 SE Not Reported Not Reported 3-15 01/22/1998	**AQUIFLOW**	**69291**

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID Direction Distance Elevation			Database	EDR ID Number
B8 **South** **1/4 - 1/2 Mile** **Lower**	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	01-0095 SW 35.22 51.21 Not Reported 11/23/1993	**AQUIFLOW**	**69283**
C9 **West** **1/4 - 1/2 Mile** **Lower**	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	01-1267 NW Not Reported Not Reported Not Reported 01/07/1997	**AQUIFLOW**	**50318**
C10 **West** **1/4 - 1/2 Mile** **Lower**	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	01-1684 NW 9.22 11.68 Not Reported 11/23/1992	**AQUIFLOW**	**53601**
D11 **West** **1/4 - 1/2 Mile** **Lower**	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	01-1359 Varies Not Reported Not Reported 12 11/01/1988	**AQUIFLOW**	**53608**
D12 **West** **1/4 - 1/2 Mile** **Lower**	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	01-1359 NE Not Reported Not Reported 10.12 06/02/1994	**AQUIFLOW**	**53611**
E13 **NNE** **1/2 - 1 Mile** **Higher**	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	01-0083 Varies 30.29 35.09 Not Reported 12/04/1997	**AQUIFLOW**	**53602**
E14 **NNE** **1/2 - 1 Mile** **Higher**	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	01-0083 SW Not Reported Not Reported 10.5 06/08/1993	**AQUIFLOW**	**53603**

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID Direction Distance Elevation			Database	EDR ID Number
15 **West** **1/2 - 1 Mile** **Lower**	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	01-1948 Varies Not Reported Not Reported 14.85 11/18/1994	**AQUIFLOW**	**53593**
F16 **NNE** **1/2 - 1 Mile** **Higher**	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	01-0337 Varies 11.00 19.8 Not Reported 11/23/1993	**AQUIFLOW**	**51555**
F17 **NNE** **1/2 - 1 Mile** **Higher**	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	01-0337 Varies Not Reported Not Reported 16.71 10/31/1989	**AQUIFLOW**	**51556**
G18 **West** **1/2 - 1 Mile** **Lower**	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	01-0099 Varies 0.46 5.32 Not Reported 02/23/1995	**AQUIFLOW**	**50316**
G19 **West** **1/2 - 1 Mile** **Lower**	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	01-0099 Varies 5.5 6.0 Not Reported 12/16/1992	**AQUIFLOW**	**50317**
H20 **West** **1/2 - 1 Mile** **Lower**	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	01-0148 Varies 11.0 12.0 Not Reported 12/16/1992	**AQUIFLOW**	**53612**
H21 **West** **1/2 - 1 Mile** **Lower**	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	01-0148 Varies 4.65 6.64 Not Reported 06/29/1999	**AQUIFLOW**	**53613**

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID Direction Distance Elevation			Database	EDR ID Number
22 **SW** **1/2 - 1 Mile** **Lower**	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	01-0346 NW 16.0 19.0 Not Reported 02/27/1997	**AQUIFLOW**	**53607**
H23 **West** **1/2 - 1 Mile** **Lower**	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	01-0123 SW 6.53 19.70 Not Reported 12/27/1990	**AQUIFLOW**	**52514**
H24 **West** **1/2 - 1 Mile** **Lower**	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	01-0123 SW Not Reported Not Reported 20 06/30/1995	**AQUIFLOW**	**52516**
25 **SW** **1/2 - 1 Mile** **Lower**	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	01-0346 NW 4.0 8.0 Not Reported 10/01/1986	**AQUIFLOW**	**53606**
26 **West** **1/2 - 1 Mile** **Lower**	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	01-0123 SW 3.82 6.99 Not Reported 09/13/1994	**AQUIFLOW**	**52515**

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS
RADON

AREA RADON INFORMATION

State Database: CA Radon

Radon Test Results

Zipcode	Num Tests	> 4 pCi/L
94546	28	1

Federal EPA Radon Zone for ALAMEDA County: 2

Note: Zone 1 indoor average level > 4 pCi/L.
: Zone 2 indoor average level >= 2 pCi/L and <= 4 pCi/L.
: Zone 3 indoor average level < 2 pCi/L.

Federal Area Radon Information for Zip Code: 94546

Number of sites tested: 3

Area	Average Activity	% <4 pCi/L	% 4-20 pCi/L	% >20 pCi/L
Living Area - 1st Floor	1.667 pCi/L	100%	0%	0%
Living Area - 2nd Floor	Not Reported	Not Reported	Not Reported	Not Reported
Basement	Not Reported	Not Reported	Not Reported	Not Reported

PHYSICAL SETTING SOURCE RECORDS SEARCHED

TOPOGRAPHIC INFORMATION

USGS 7.5' Digital Elevation Model (DEM)
Source: United States Geologic Survey
EDR acquired the USGS 7.5' Digital Elevation Model in 2002 and updated it in 2006. The 7.5 minute DEM corresponds to the USGS 1:24,000- and 1:25,000-scale topographic quadrangle maps. The DEM provides elevation data with consistent elevation units and projection.

Scanned Digital USGS 7.5' Topographic Map (DRG)
Source: United States Geologic Survey
A digital raster graphic (DRG) is a scanned image of a U.S. Geological Survey topographic map. The map images are made by scanning published paper maps on high-resolution scanners. The raster image is georeferenced and fit to the Universal Transverse Mercator (UTM) projection.

HYDROLOGIC INFORMATION

Flood Zone Data: This data, available in select counties across the country, was obtained by EDR in 2003 & 2011 from the Federal Emergency Management Agency (FEMA). Data depicts 100-year and 500-year flood zones as defined by FEMA.

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002 and 2005 from the U.S. Fish and Wildlife Service.

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 Services
The U.S. Department of Agriculture's (USDA) Natural Resources Conservation Service (NRCS) leads the national Conservation Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps.

SSURGO: Soil Survey Geographic Database
Source: Department of Agriculture, Natural Resources Conservation Services (NRCS)
Telephone: 800-672-5559
SSURGO is the most detailed level of mapping done by the Natural Resources Conservation Services, mapping scales generally range from 1:12,000 to 1:63,360. Field mapping methods using national standards are used to construct the soil maps in the Soil Survey Geographic (SSURGO) database. SSURGO digitizing duplicates the original soil survey maps. This level of mapping is designed for use by landowners, townships and county natural resource planning and management.

PHYSICAL SETTING SOURCE RECORDS SEARCHED

LOCAL / REGIONAL WATER AGENCY RECORDS

FEDERAL WATER WELLS

PWS: Public Water Systems
Source: EPA/Office of Drinking Water
Telephone: 202-564-3750
Public Water System data from the Federal Reporting Data System. A PWS is any water system which provides water to at least 25 people for at least 60 days annually. PWSs provide water from wells, rivers and other sources.

PWS ENF: Public Water Systems Violation and Enforcement Data
Source: EPA/Office of Drinking Water
Telephone: 202-564-3750
Violation and Enforcement data for Public Water Systems from the Safe Drinking Water Information System (SDWIS) after August 1995. Prior to August 1995, the data came from the Federal Reporting Data System (FRDS).

USGS Water Wells: USGS National Water Inventory System (NWIS)
This database contains descriptive information on sites where the USGS collects or has collected data on surface water and/or groundwater. The groundwater data includes information on wells, springs, and other sources of groundwater.

STATE RECORDS

Water Well Database
Source: Department of Water Resources
Telephone: 916-651-9648

California Drinking Water Quality Database
Source: Department of Health Services
Telephone: 916-324-2319
The database includes all drinking water compliance and special studies monitoring for the state of California since 1984. It consists of over 3,200,000 individual analyses along with well and water system information.

OTHER STATE DATABASE INFORMATION

California Oil and Gas Well Locations
Source: Department of Conservation
Telephone: 916-323-1779
Oil and Gas well locations in the state.

RADON

State Database: CA Radon
Source: Department of Health Services
Telephone: 916-324-2208
Radon Database for California

Area Radon Information
Source: USGS
Telephone: 703-356-4020
The National Radon Database has been developed by the U.S. Environmental Protection Agency (USEPA) and is a compilation of the EPA/State Residential Radon Survey and the National Residential Radon Survey. The study covers the years 1986 - 1992. Where necessary data has been supplemented by information collected at private sources such as universities and research institutions.

EPA Radon Zones
Source: EPA
Telephone: 703-356-4020
Sections 307 & 309 of IRAA directed EPA to list and identify areas of U.S. with the potential for elevated indoor radon levels.

PHYSICAL SETTING SOURCE RECORDS SEARCHED

OTHER

Airport Landing Facilities: Private and public use landing facilities
Source: Federal Aviation Administration, 800-457-6656

Epicenters: World earthquake epicenters, Richter 5 or greater
Source: Department of Commerce, National Oceanic and Atmospheric Administration

California Earthquake Fault Lines: The fault lines displayed on EDR's Topographic map are digitized quaternary fault lines, prepared in 1975 by the United State Geological Survey. Additional information (also from 1975) regarding activity at specific fault lines comes from California's Preliminary Fault Activity Map prepared by the California Division of Mines and Geology.

STREET AND ADDRESS INFORMATION

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APPENDIX F

AERIAL PHOTOGRAPHS

Caltrans Storage Yard
21195 Canter Street
Castro Valley, CA 94546

Inquiry Number: 3758076.5
October 18, 2013

The EDR Aerial Photo Decade Package

EDR® Environmental Data Resources Inc

440 Wheelers Farms Road
Milford, CT 06461
800.352.0050
www.edrnet.com

EDR Aerial Photo Decade Package

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.

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Date EDR Searched Historical Sources:

Aerial Photography October 18, 2013

Target Property:

21195 Canter Street

Castro Valley, CA 94546

Year	***Scale***	***Details***	***Source***
1939	Aerial Photograph. Scale: 1"=500'	Flight Year: 1939	Fairchild
1946	Aerial Photograph. Scale: 1"=500'	Flight Year: 1946	Jack Ammann
1958	Aerial Photograph. Scale: 1"=500'	Flight Year: 1958	USGS
1968	Aerial Photograph. Scale: 1"=500'	Flight Year: 1968	USGS
1974	Aerial Photograph. Scale: 1"=500'	Flight Year: 1974	USGS
1984	Aerial Photograph. Scale: 1"=500'	Flight Year: 1984	WAC
1993	Aerial Photograph. Scale: 1"=500'	/DOQQ - acquisition dates: 1993	EDR
1999	Aerial Photograph. Scale: 1"=500'	Flight Year: 1999	WAC
2005	Aerial Photograph. Scale: 1"=500'	Flight Year: 2005	EDR
2006	Aerial Photograph. Scale: 1"=500'	Flight Year: 2006	EDR
2009	Aerial Photograph. Scale: 1"=500'	Flight Year: 2009	EDR
2010	Aerial Photograph. Scale: 1"=500'	Flight Year: 2010	EDR
2012	Aerial Photograph. Scale: 1"=500'	Flight Year: 2012	EDR

Property
INQUIRY #: 3758076.5
YEAR: 1939
= 500'
N

Property
INQUIRY #: 3758076.5
YEAR: 1946
= 500'
N

Property
INQUIRY #: 3758076.5
YEAR: 1958
= 500'
N

INQUIRY #: 3758076.5

YEAR: 1968

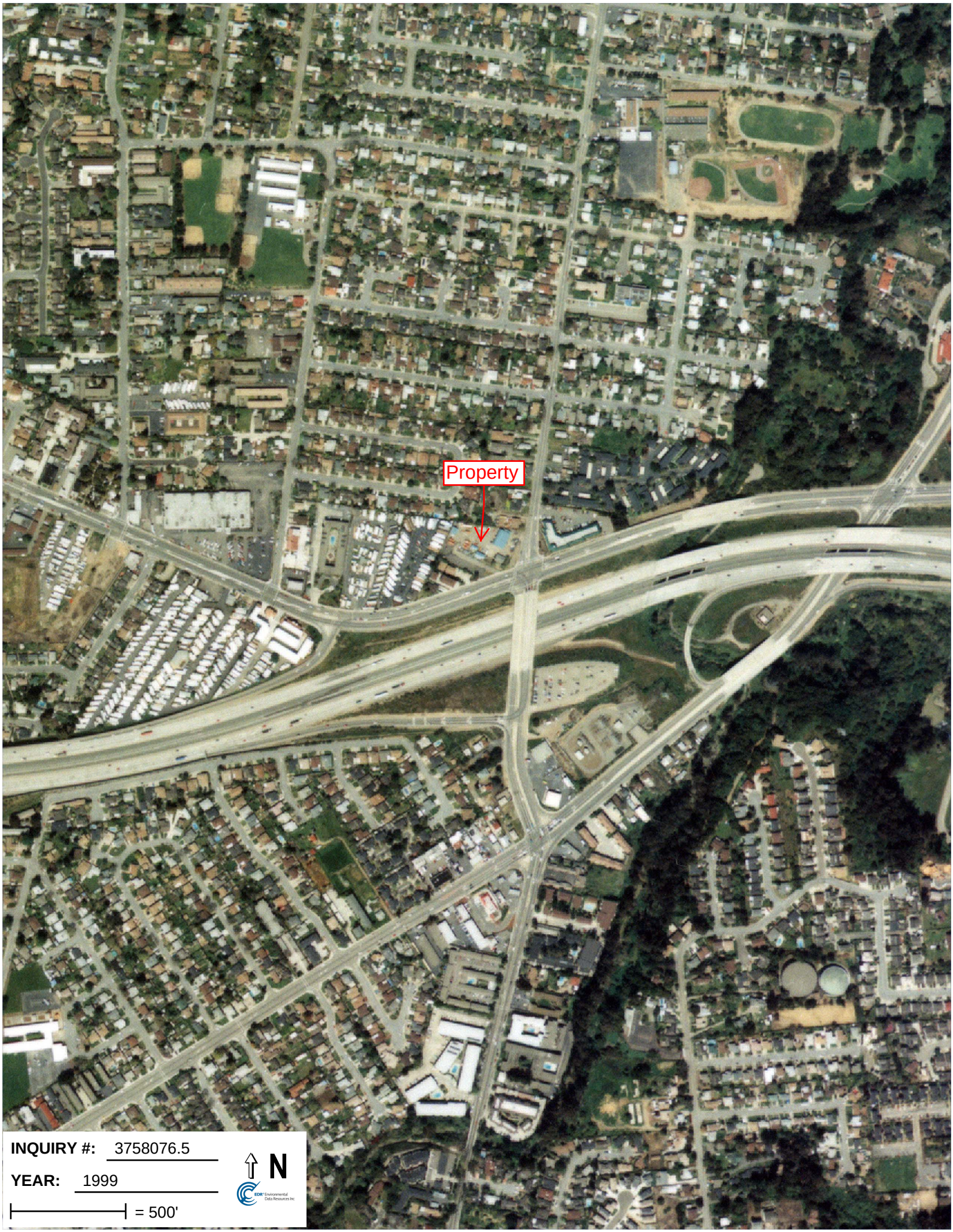
= 500'

N

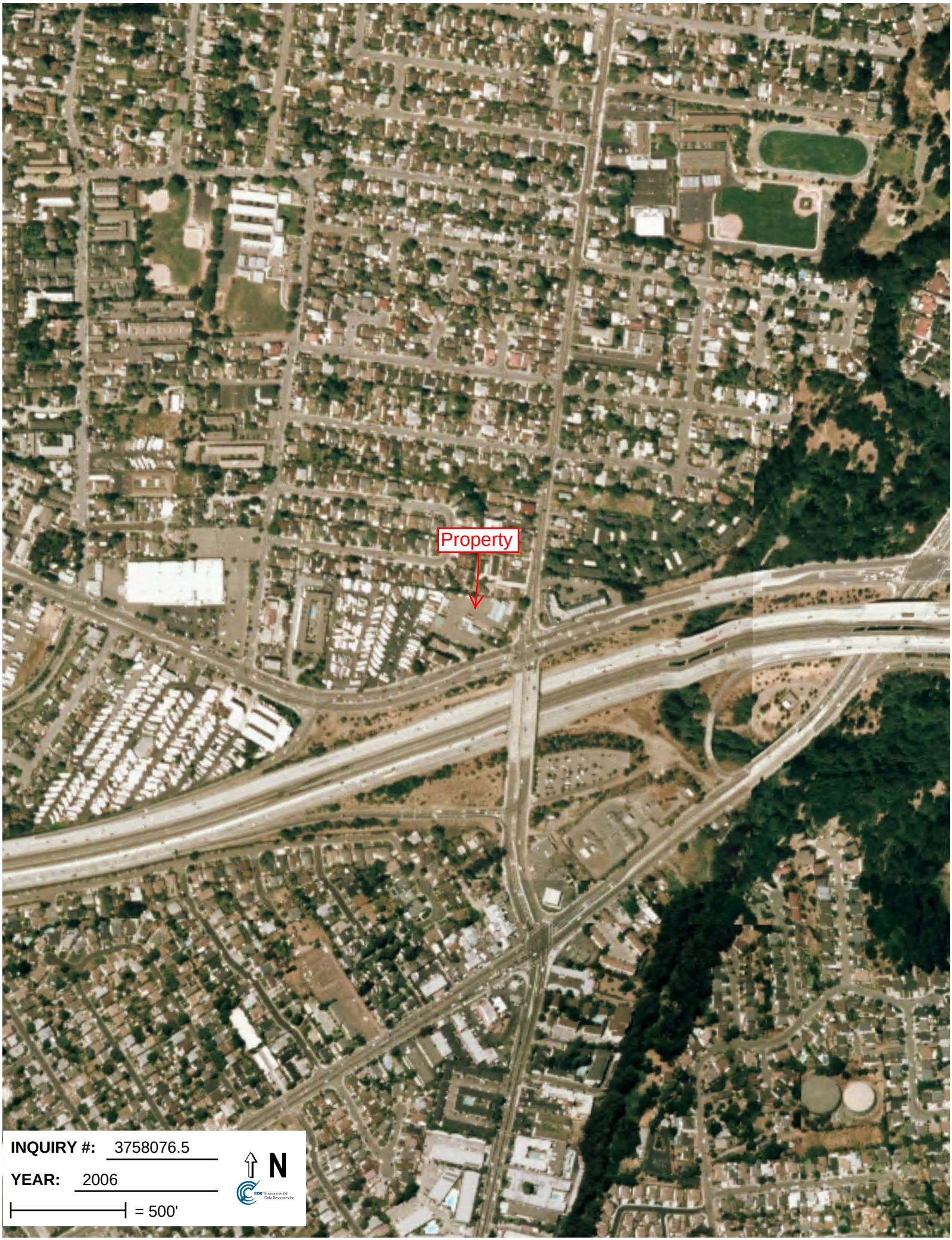
Property
INQUIRY #: 3758076.5
YEAR: 1974
= 500'
N

Property
INQUIRY #: 3758076.5
YEAR: 1984
= 500'
N

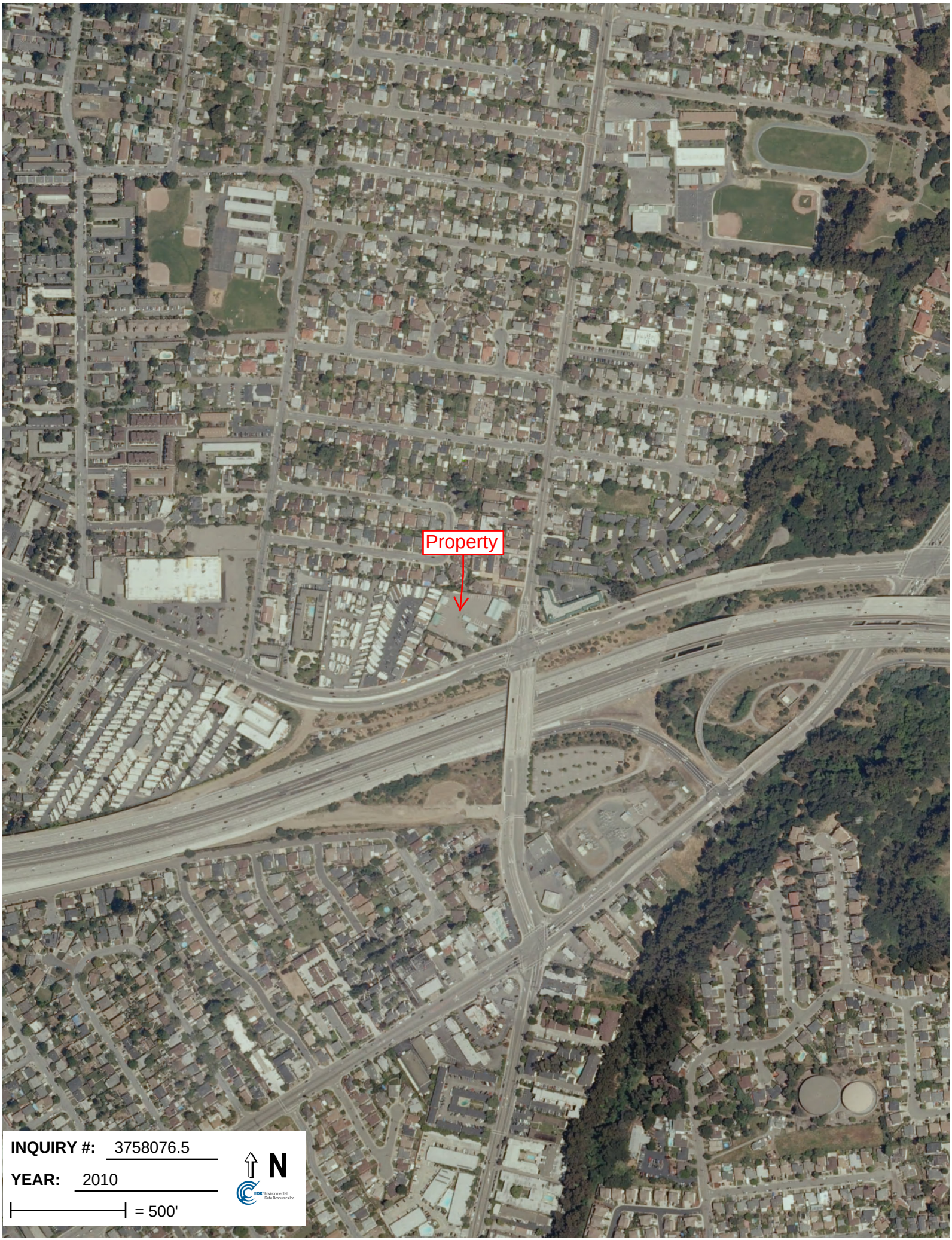
Property
INQUIRY #: 3758076.5
YEAR: 1993
= 500'
N


Property
INQUIRY #: 3758076.5
YEAR: 1999
= 500'
N

Property
INQUIRY #: 3758076.5
YEAR: 2005
= 500'
N


Property
INQUIRY #: 3758076.5
YEAR: 2006
= 500'
N

Property
INQUIRY #: 3758076.5
YEAR: 2009
= 500'
N


Property
INQUIRY #: 3758076.5
YEAR: 2010
= 500'
N

Property
INQUIRY #: 3758076.5
YEAR: 2012
= 500'
N

APPENDIX G

HISTORICAL RESEARCH DOCUMENTATION

Caltrans Storage Yard
21195 Canter Street
Castro Valley, CA 94546

Inquiry Number: 3758076.4
October 15, 2013

EDR Historical Topographic Map Report

EDR® Environmental Data Resources Inc

440 Wheelers Farms Road
Milford, CT 06461
800.352.0050
www.edrnet.com

EDR Historical Topographic Map Report

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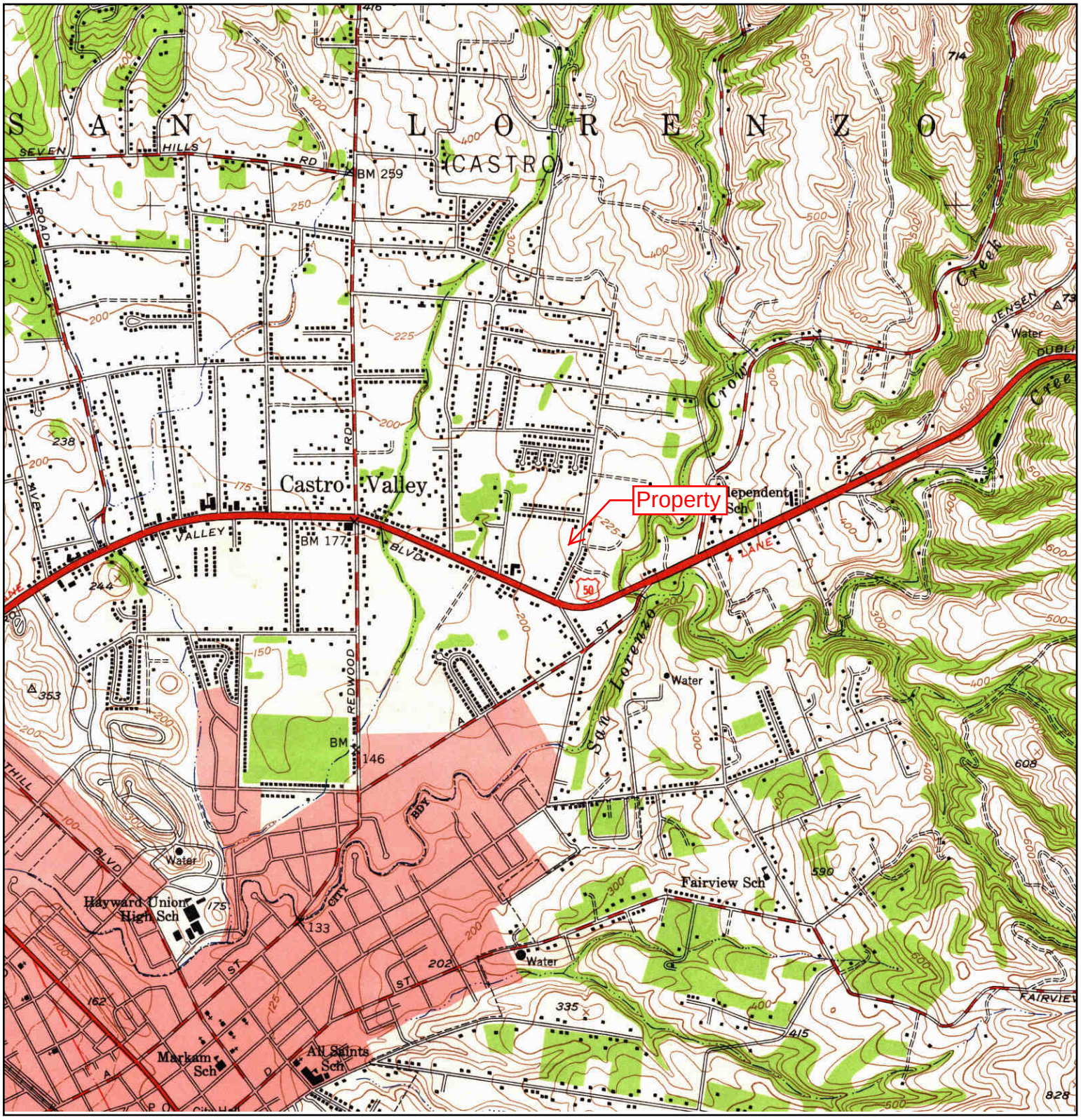
Historical Topographic Map

N	TARGET QUAD		SITE NAME:	Caltrans Storage Yard	CLIENT:	Cardno ATC #75
	NAME:	HAYWARDS	ADDRESS:	21195 Canter Street	CONTACT:	Destiny Hazra
	MAP YEAR:	1899		Castro Valley, CA 94546	INQUIRY#:	3758076.4
			LAT/LONG:	37.6938 / -122.0631	RESEARCH DATE:	10/15/2013
	SERIES:	15				
	SCALE:	1:62500				

Historical Topographic Map

N	TARGET QUAD NAME: HAYWARD MAP YEAR: 1915 SERIES: 15 SCALE: 1:62500	SITE NAME: Caltrans Storage Yard ADDRESS: 21195 Canter Street Castro Valley, CA 94546 LAT/LONG: 37.6938 / -122.0631	CLIENT: Cardno ATC #75 CONTACT: Destiny Hazra INQUIRY#: 3758076.4 RESEARCH DATE: 10/15/2013

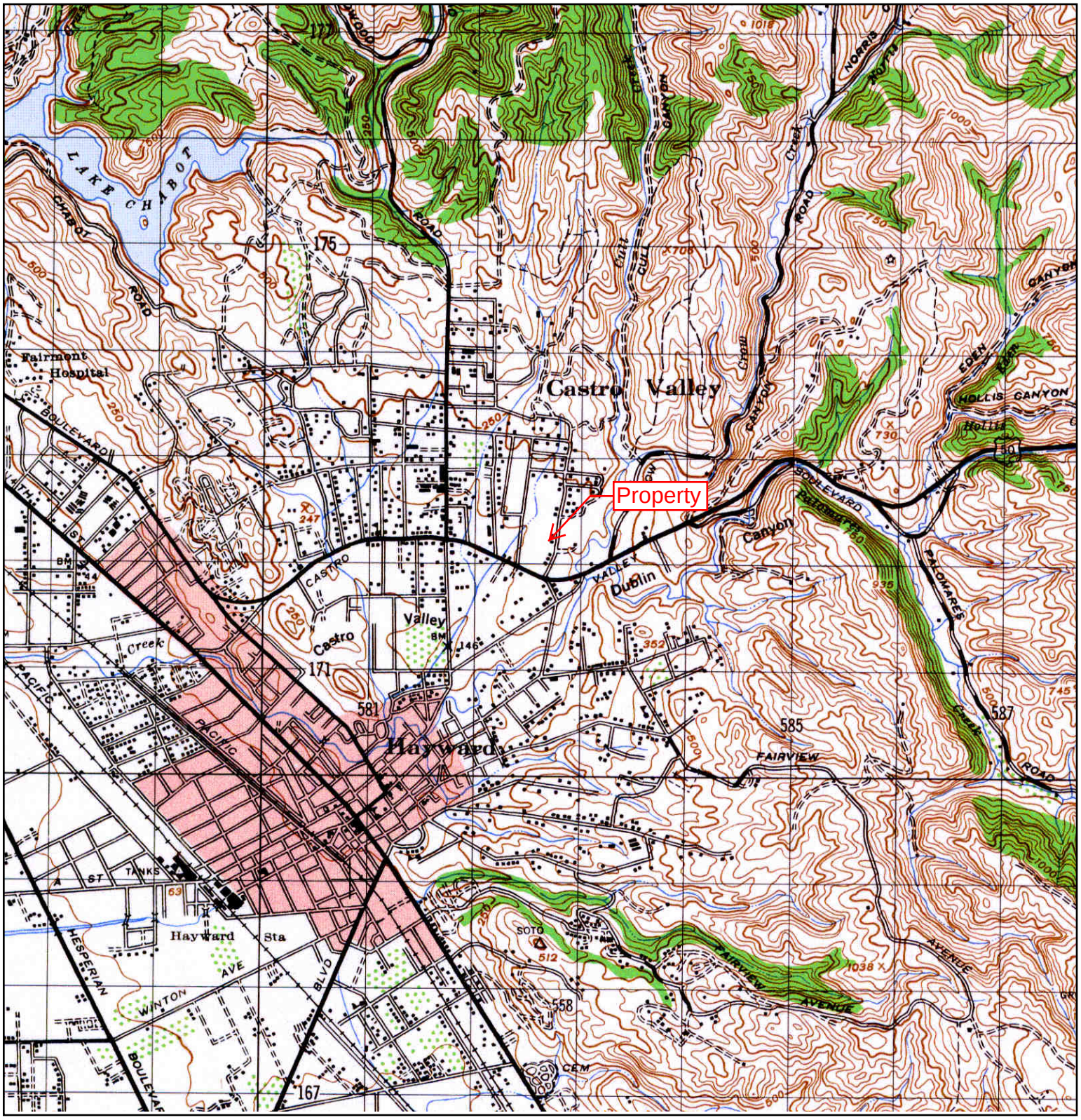
Historical Topographic Map



N	TARGET QUAD			
	NAME:	HAYWARD	SITE NAME:	Caltrans Storage Yard
	MAP YEAR:	1947	ADDRESS:	21195 Canter Street
				Castro Valley, CA 94546
	SERIES:	7.5	LAT/LONG:	37.6938 / -122.0631
	SCALE:	1:24000		

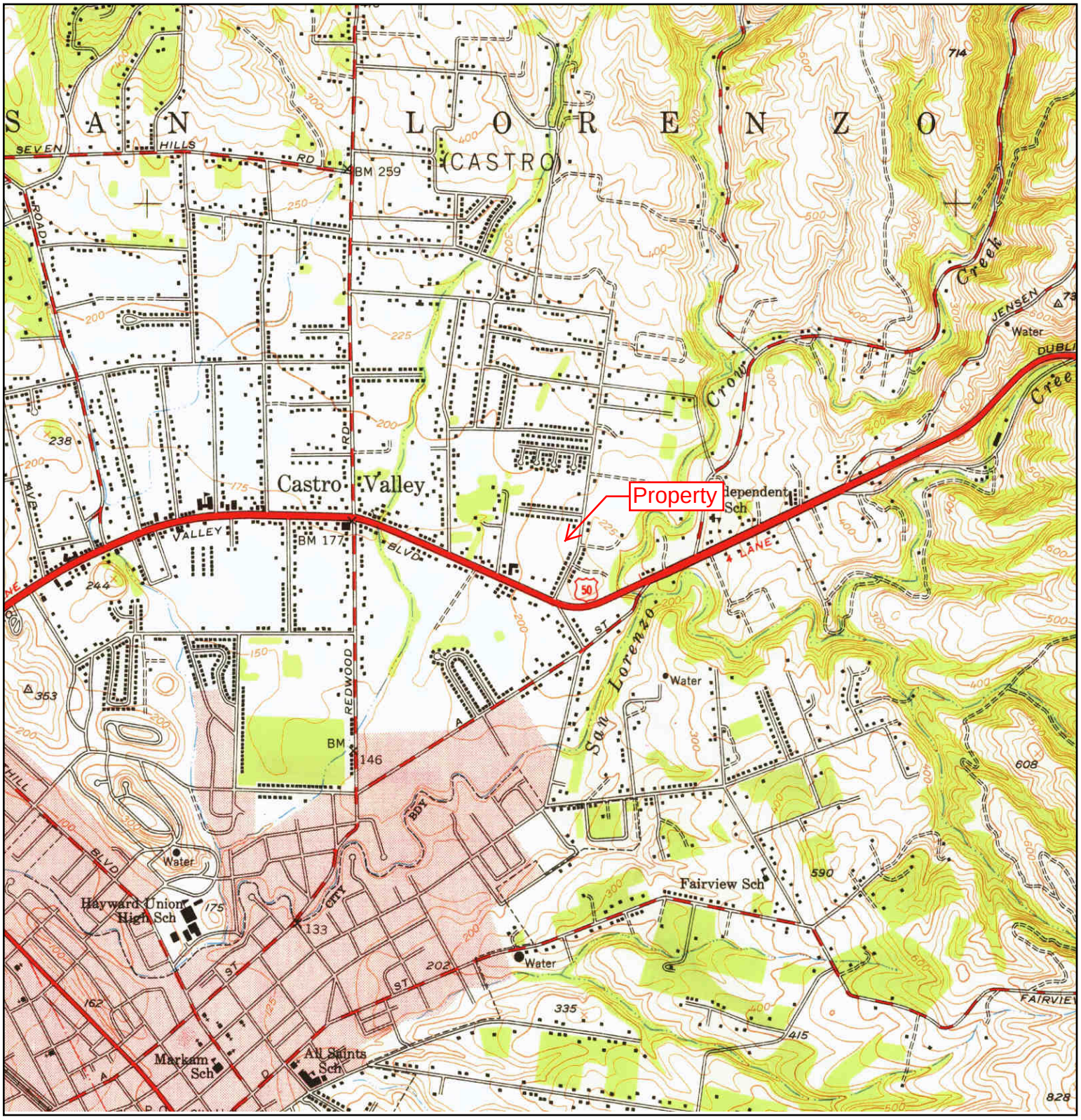
CLIENT:	Cardno ATC #75
CONTACT:	Destiny Hazra
INQUIRY#:	3758076.4
RESEARCH DATE:	10/15/2013

Historical Topographic Map



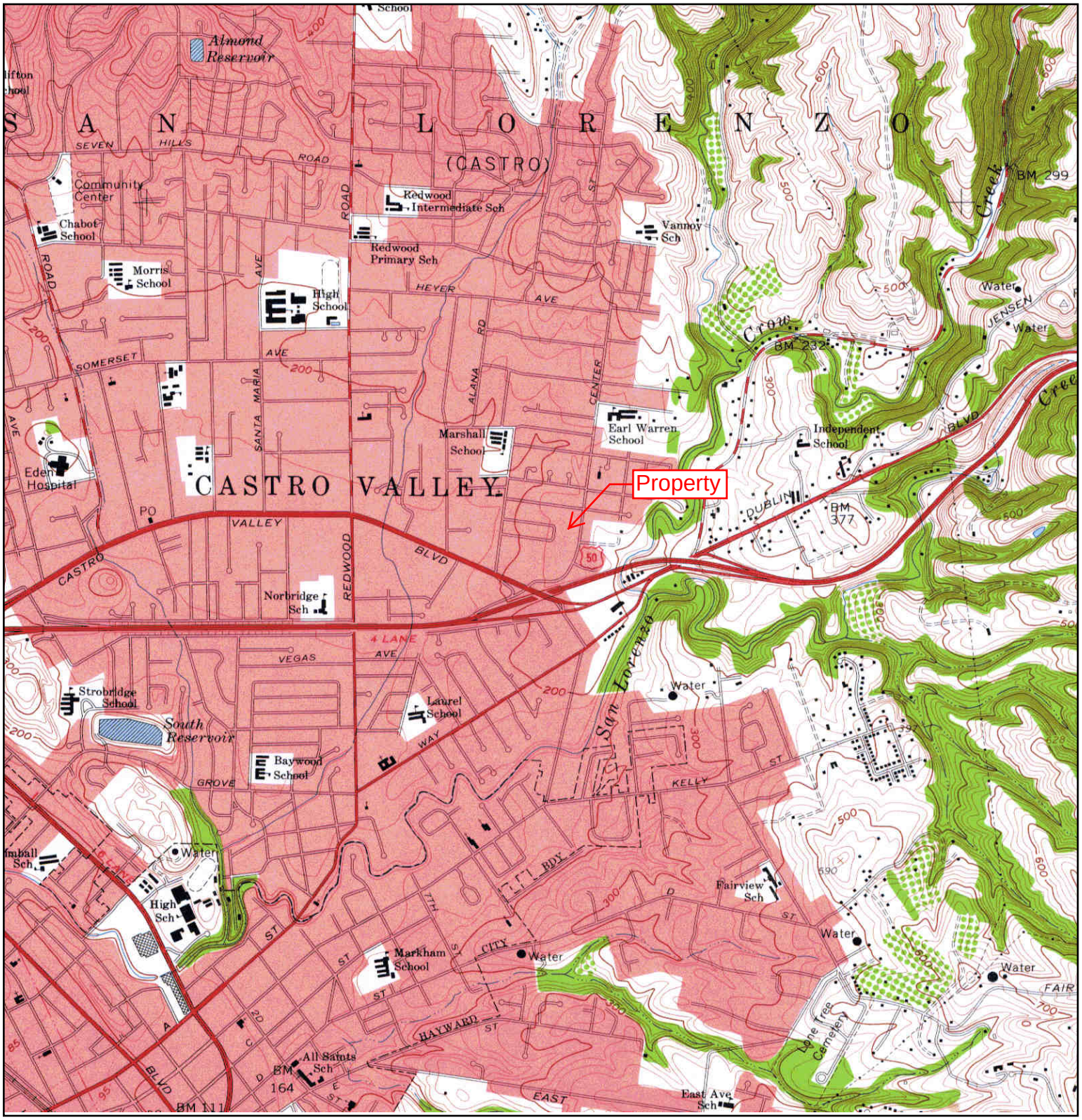
N	TARGET QUAD NAME: HAYWARD MAP YEAR: 1948 SERIES: 15 SCALE: 1:50000	SITE NAME: Caltrans Storage Yard ADDRESS: 21195 Canter Street Castro Valley, CA 94546 LAT/LONG: 37.6938 / -122.0631	CLIENT: Cardno ATC #75 CONTACT: Destiny Hazra INQUIRY#: 3758076.4 RESEARCH DATE: 10/15/2013

Historical Topographic Map



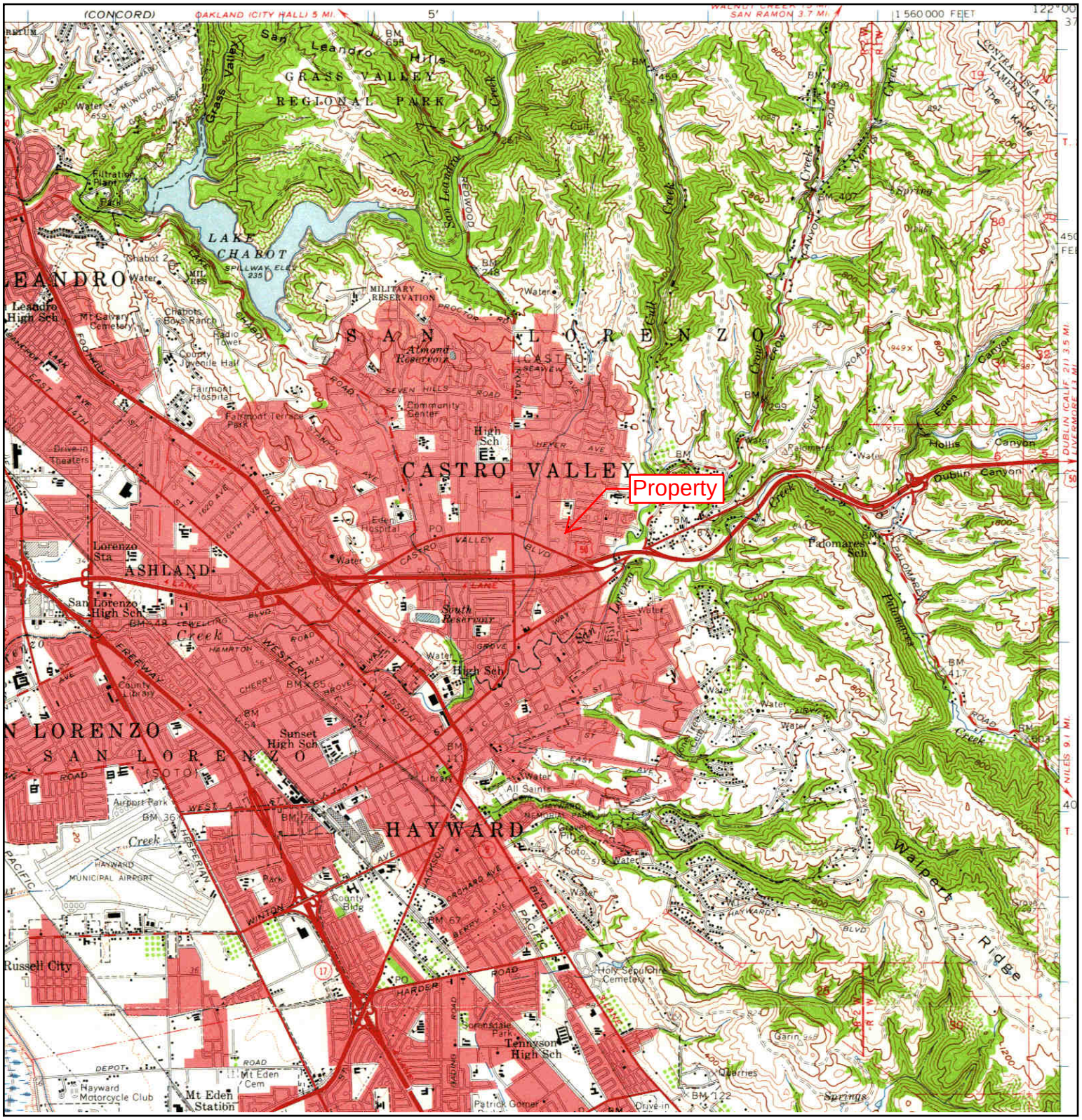
N	TARGET QUAD NAME: HAYWARD MAP YEAR: 1950 SERIES: 7.5 SCALE: 1:24000	SITE NAME: Caltrans Storage Yard ADDRESS: 21195 Canter Street Castro Valley, CA 94546 LAT/LONG: 37.6938 / -122.0631	CLIENT: Cardno ATC #75 CONTACT: Destiny Hazra INQUIRY#: 3758076.4 RESEARCH DATE: 10/15/2013

Historical Topographic Map

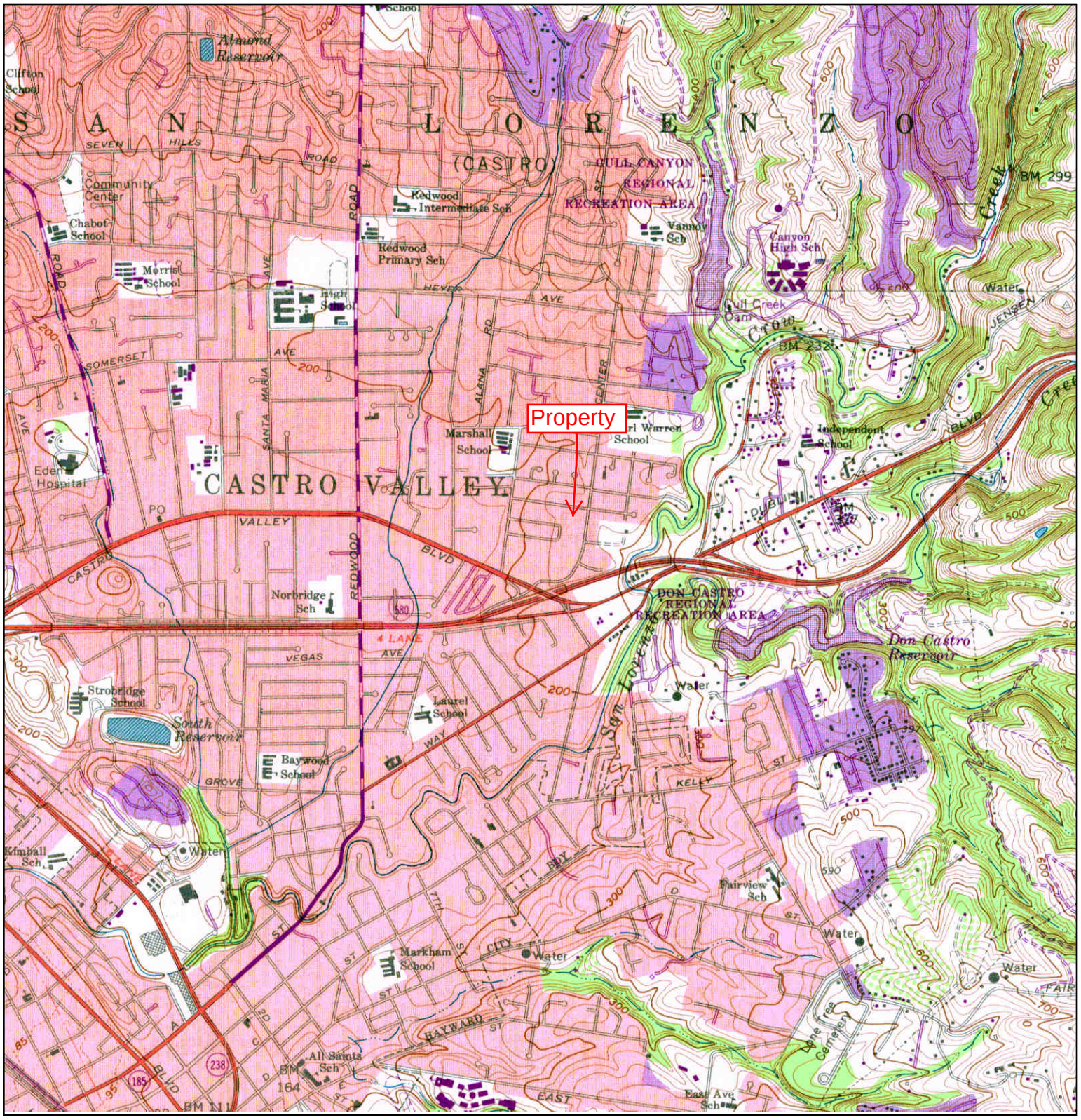


N	TARGET QUAD NAME: HAYWARD MAP YEAR: 1959 SERIES: 7.5 SCALE: 1:24000	SITE NAME: Caltrans Storage Yard ADDRESS: 21195 Canter Street Castro Valley, CA 94546 LAT/LONG: 37.6938 / -122.0631	CLIENT: Cardno ATC #75 CONTACT: Destiny Hazra INQUIRY#: 3758076.4 RESEARCH DATE: 10/15/2013

Historical Topographic Map

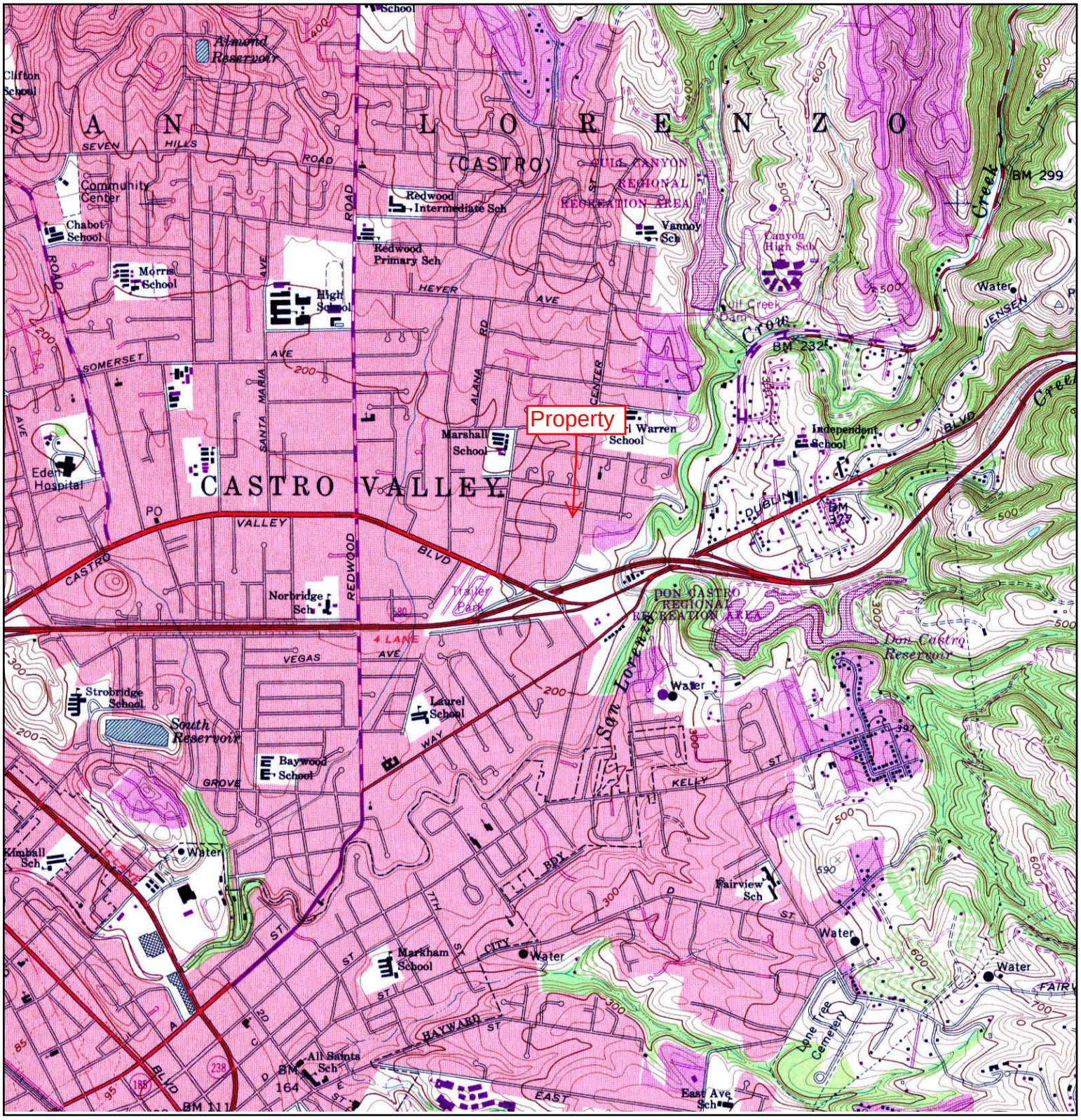

Property
CASTRO VALLEY
HAYWARD
SAN LORENZO
ASHLAND
LAKE CHABOT
GRASS VALLEY REGIONAL PARK
Lorenzo Sta
San Lorenzo High Sch
Sunset High Sch
Tennyson High Sch
Mt Eden Station
Russell City
Hayward Motorcycle Club
Mt Eden Cem
Fairmont Hospital
Eden Hospital
Community Center
Dublin Canyon
Palomares Sch
Hollis Canyon
Walpert Ridge
Hayward Municipal Airport
Airport Park
Lorenzo Creek
San Leandro Creek
Grass Valley Creek
Palomares Creek
Eden Canyon
Crow Canyon
Almond Reservoir
South Reservoir
Chabot 2
Leandro High Sch
Mt Calvary Cemetery
Chabots Boys Ranch
County Juvenile Hall
Drive-In Theaters
Filtration Plant
Water
Spring
Quarries
Springs
Garin
Patrick Gomer
Holy Sepulchre Cemetery
All Saints Cemetery
Memorial Park Cemetery
Goto
Screenscale Park
County Bldg
County Library
Hayward Municipal Airport
Park
Library
Drive-in
Tennyson High Sch
Sunset High Sch
San Lorenzo High Sch
Lorenzo Sta
Leandro High Sch
Fairmont Terrace Park
Community Center
Eden Hospital
Palomares Sch
Hollis Canyon
Dublin Canyon
Walpert Ridge
Mt Eden Station
Hayward Motorcycle Club
Mt Eden Cem
Russell City

Historical Topographic Map



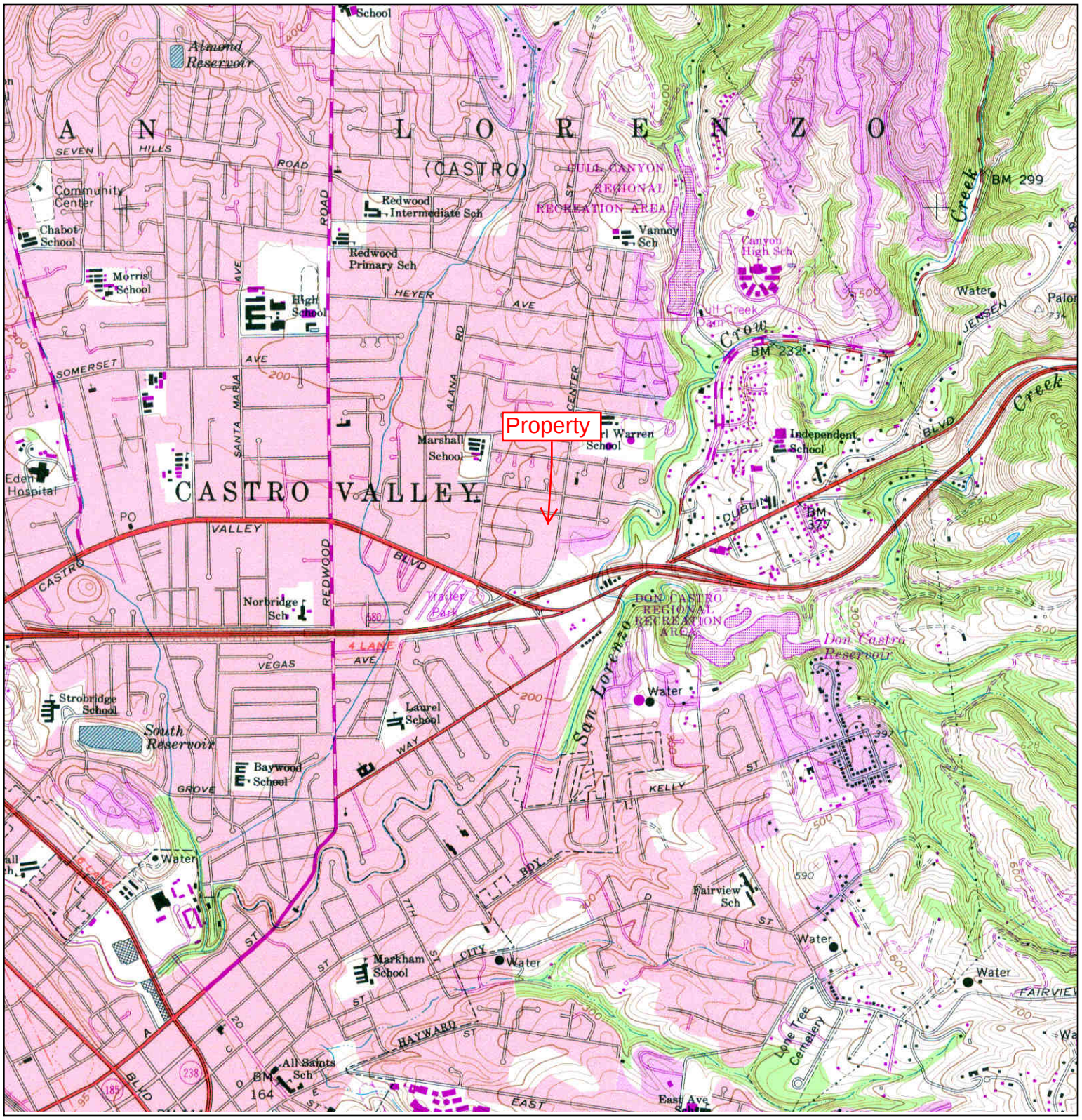
N	TARGET QUAD		SITE NAME:	Caltrans Storage Yard	CLIENT:	Cardno ATC #75
	NAME:	HAYWARD	ADDRESS:	21195 Canter Street	CONTACT:	Destiny Hazra
	MAP YEAR:	1968		Castro Valley, CA 94546	INQUIRY#:	3758076.4
	PHOTOREVISED FROM :	1959	LAT/LONG:	37.6938 / -122.0631	RESEARCH DATE:	10/15/2013
	SERIES:	7.5				
	SCALE:	1:24000				

Historical Topographic Map



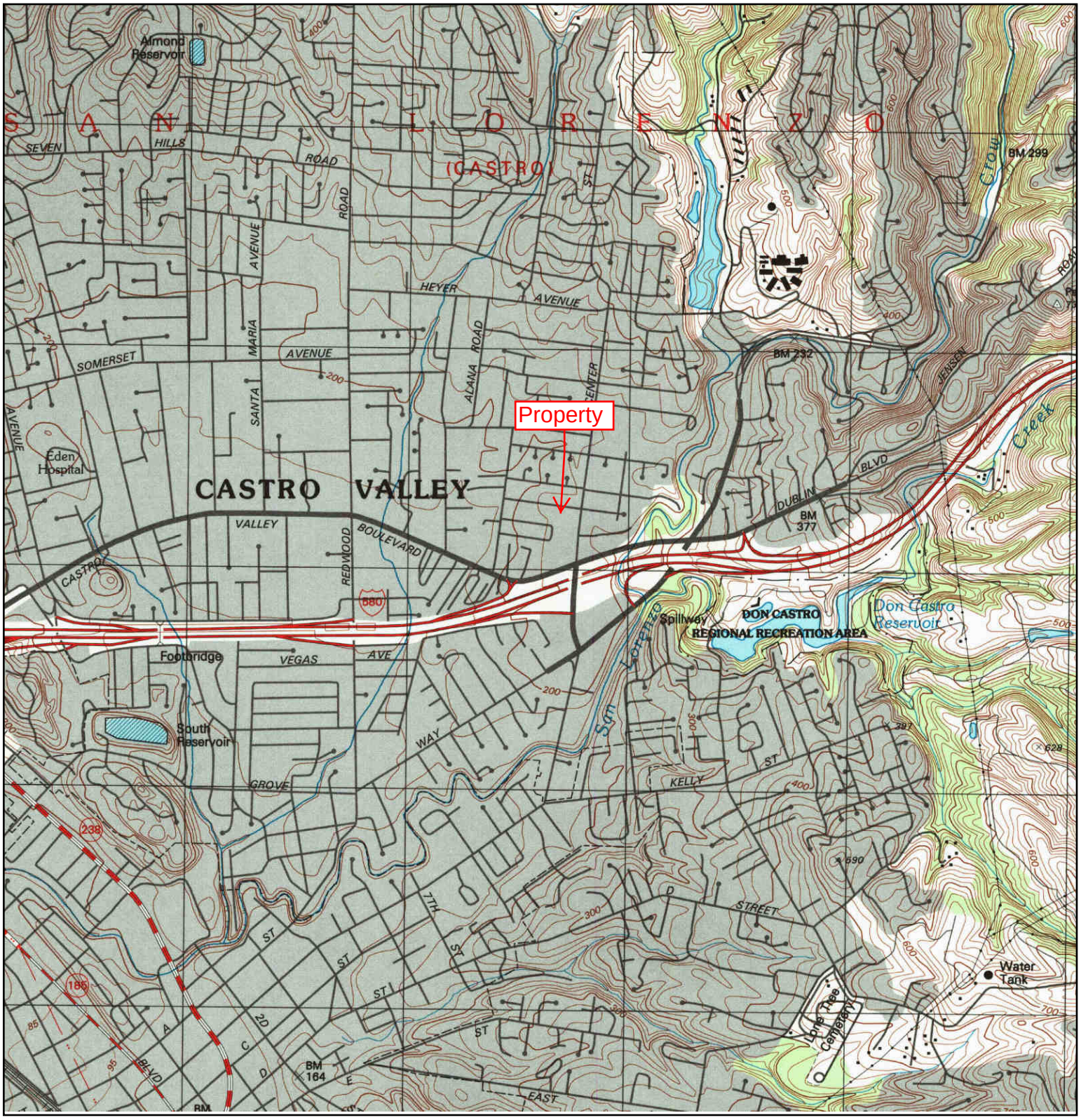
N	TARGET QUAD		SITE NAME:	Caltrans Storage Yard	CLIENT:	Cardno ATC #75
	NAME:	HAYWARD	ADDRESS:	21195 Canter Street	CONTACT:	Destiny Hazra
	MAP YEAR:	1973		Castro Valley, CA 94546	INQUIRY#:	3758076.4
	PHOTOREVISED FROM :	1959	LAT/LONG:	37.6938 / -122.0631	RESEARCH DATE:	10/15/2013
	SERIES:	7.5				
	SCALE:	1:24000				

Historical Topographic Map



N	TARGET QUAD NAME: HAYWARD MAP YEAR: 1980 PHOTOREVISED FROM :1959 SERIES: 7.5 SCALE: 1:24000	SITE NAME: Caltrans Storage Yard ADDRESS: 21195 Canter Street Castro Valley, CA 94546 LAT/LONG: 37.6938 / -122.0631	CLIENT: Cardno ATC #75 CONTACT: Destiny Hazra INQUIRY#: 3758076.4 RESEARCH DATE: 10/15/2013

Historical Topographic Map



N	TARGET QUAD		SITE NAME:	Caltrans Storage Yard	CLIENT:	Cardno ATC #75
	NAME:	HAYWARD	ADDRESS:	21195 Canter Street	CONTACT:	Destiny Hazra
	MAP YEAR:	1993		Castro Valley, CA 94546	INQUIRY#:	3758076.4
			LAT/LONG:	37.6938 / -122.0631	RESEARCH DATE:	10/15/2013
	SERIES:	7.5				
	SCALE:	1:24000				

Caltrans Storage Yard
21195 Canter Street
Castro Valley, CA 94546

Inquiry Number: 3758076.3
October 15, 2013

Certified Sanborn® Map Report

EDR® Environmental Data Resources Inc

440 Wheelers Farms Road
Milford, CT 06461
800.352.0050
www.edrnet.com

Certified Sanborn® Map Report

10/15/13

Site Name:
Caltrans Storage Yard
21195 Canter Street
Castro Valley, CA 94546

Client Name:
Cardno ATC #75
6602 Owens Drive
Pleasanton, CA 94588

EDR Inquiry # 3758076.3

Contact: Destiny Hazra

EDR® Environmental Data Resources Inc

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Certified Sanborn Results:

Site Name: Caltrans Storage Yard
Address: 21195 Canter Street
City, State, Zip: Castro Valley, CA 94546
Cross Street:
P.O. # 75.45251.0001
Project: Caltrans Storage Yard
Certification # 6181-48F2-903D

Sanborn® Library search results
Certification # 6181-48F2-903D

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.

The Sanborn Library includes more than 1.2 million Sanborn fire insurance maps, 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™

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Caltrans Storage Yard
21195 Canter Street
Castro Valley, CA 94546

Inquiry Number: 3758076.6
October 18, 2013

The EDR-City Directory Image Report

Environmental Data Resources Inc

440 Wheelers Farms Road
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800.352.0050
www.edrnet.com

TABLE OF CONTENTS

SECTION

Executive Summary

Findings

City Directory Images

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EXECUTIVE SUMMARY

DESCRIPTION

Environmental Data Resources, Inc.'s (EDR) City Directory Report 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 Report includes a search of available city directory data at 5 year intervals.

RESEARCH SUMMARY

The following research sources were consulted in the preparation of this report. A check mark indicates where information was identified in the source and provided in this report.

Year	*Target Street*	*Cross Street*	*Source*
2010	☑	☐	Haines Criss-Cross Directory
2006	☑	☐	Haines Criss-Cross Directory
2001	☑	☐	Haines Criss-Cross Directory
1994	☑	☐	Haines Criss-Cross Directory
1989	☑	☐	Haines Criss-Cross Directory
1985	☑	☐	Haines Criss-Cross Directory
1980	☑	☐	Haines Criss-Cross Directory
1975	☑	☐	Haines Criss-Cross Directory

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FINDINGS

TARGET PROPERTY STREET

21195 Canter Street
Castro Valley, CA 94546

Year	*CD Image*	*Source*
Canter Street		
2010	pg A1	Haines Criss-Cross Directory
2006	pg A2	Haines Criss-Cross Directory
2001	pg A3	Haines Criss-Cross Directory
1994	pg A4	Haines Criss-Cross Directory
1989	pg A5	Haines Criss-Cross Directory
1985	pg A6	Haines Criss-Cross Directory
1980	pg A7	Haines Criss-Cross Directory
1975	pg A8	Haines Criss-Cross Directory

FINDINGS

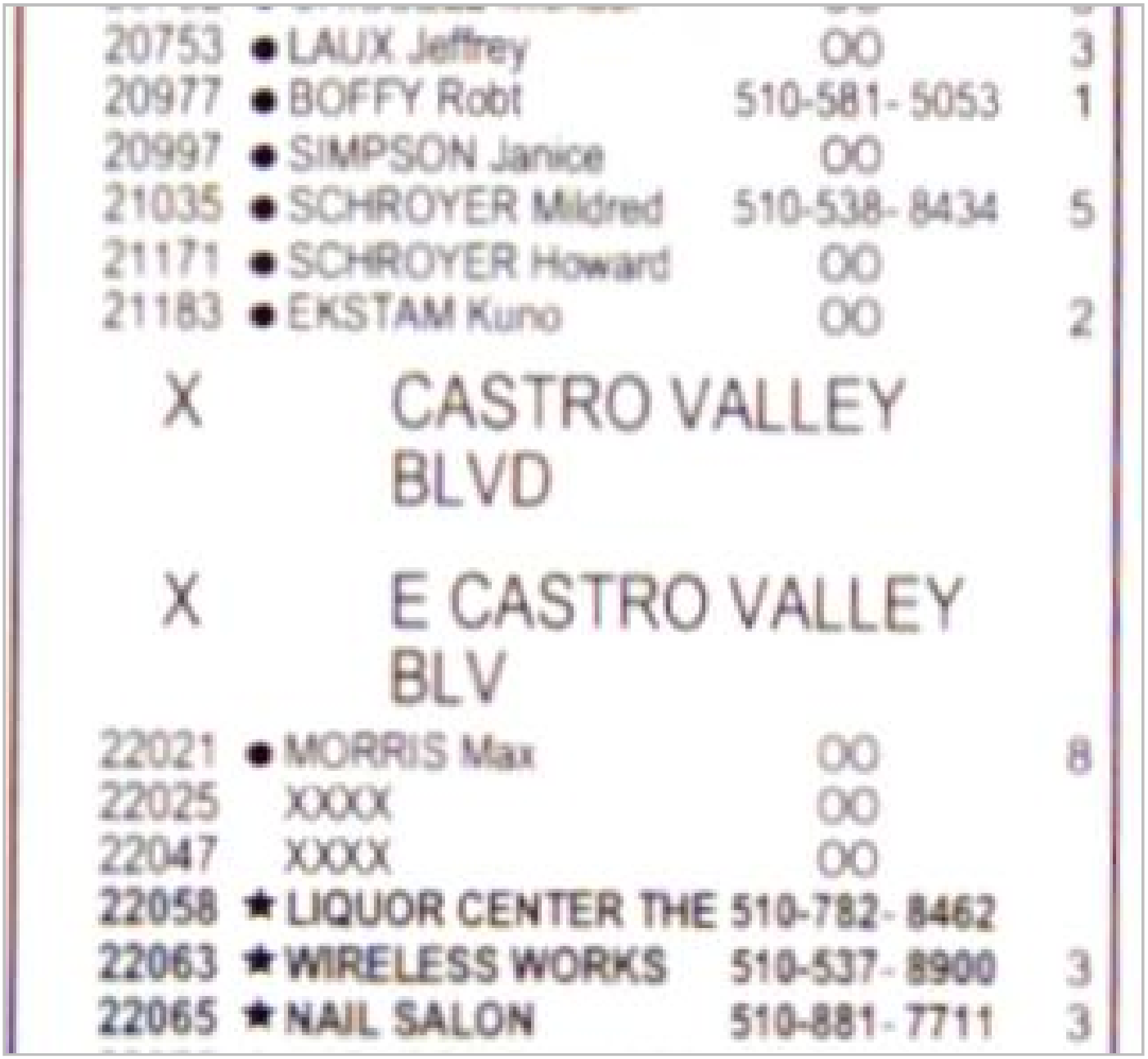
CROSS STREETS

No Cross Streets Identified

City Directory Images

Target Street	Cross Street	Source
✓	-	Haines Criss-Cross Directory

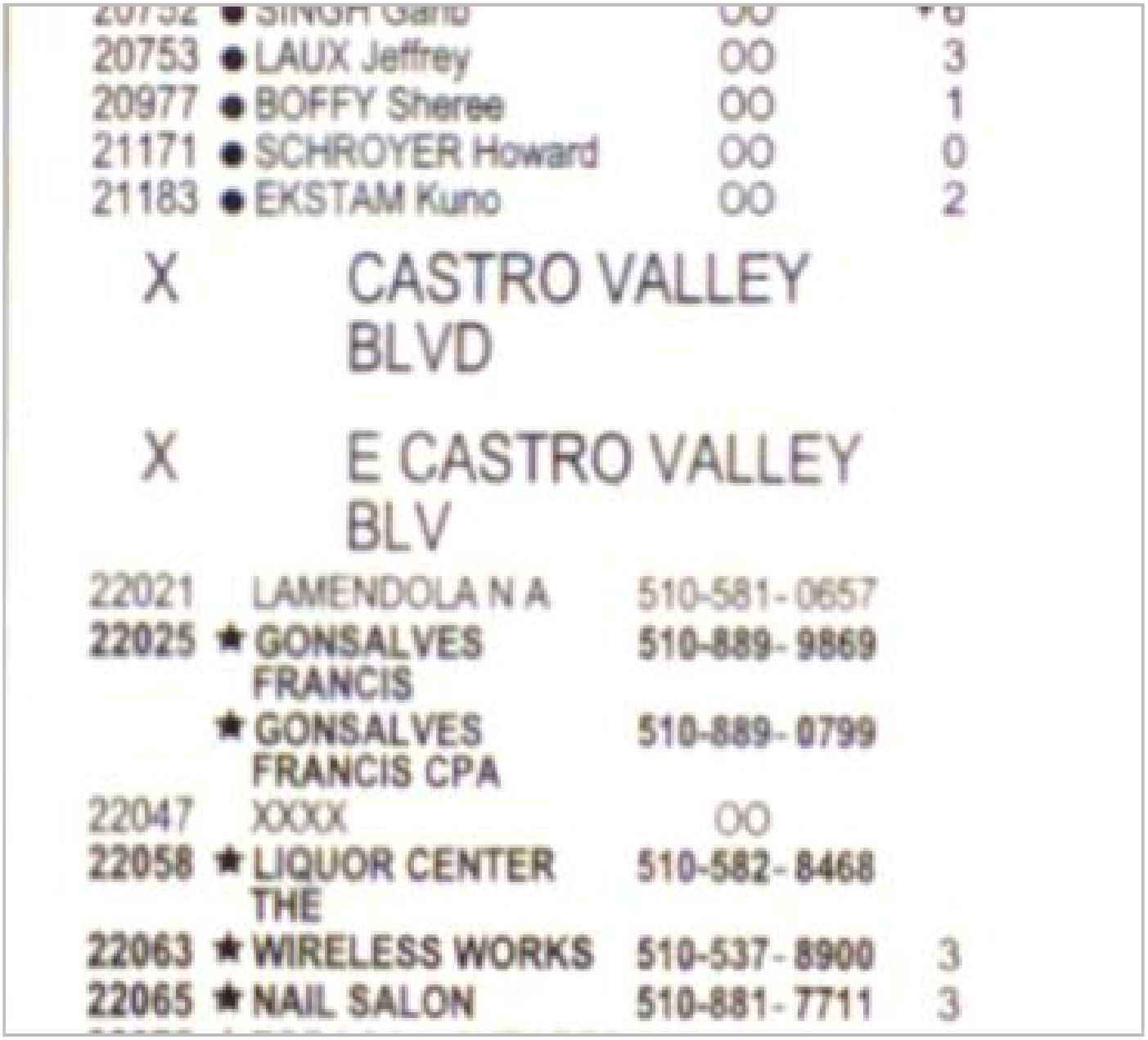
Canter Street 2010



20753	● LAUX Jeffrey	OO	3
20977	● BOFFY Robt	510-581-5053	1
20997	● SIMPSON Janice	OO	
21035	● SCHROYER Mildred	510-538-8434	5
21171	● SCHROYER Howard	OO	
21183	● EKSTAM Kuno	OO	2
X	CASTRO VALLEY BLVD		
X	E CASTRO VALLEY BLV		
22021	● MORRIS Max	OO	8
22025	XXXX	OO	
22047	XXXX	OO	
22058	★ LIQUOR CENTER THE	510-782-8462	
22063	★ WIRELESS WORKS	510-537-8900	3
22065	★ NAIL SALON	510-881-7711	3

Target Street	Cross Street	Source
✓	-	Haines Criss-Cross Directory

Canter Street 2006



20753	●	LAUX Jeffrey	OO	3
20977	●	BOFFY Sheree	OO	1
21171	●	SCHROYER Howard	OO	0
21183	●	EKSTAM Kuno	OO	2
X		CASTRO VALLEY BLVD		
X		E CASTRO VALLEY BLV		
22021		LAMENDOLA N A	510-581-0657	
22025	★	GONSALVES FRANCIS	510-889-9869	
	★	GONSALVES FRANCIS CPA	510-889-0799	
22047		XXXX	OO	
22058	★	LIQUOR CENTER THE	510-582-8468	
22063	★	WIRELESS WORKS	510-537-8900	3
22065	★	NAIL SALON	510-881-7711	3

Target Street	Cross Street	Source
✓	-	Haines Criss-Cross Directory

Canter Street 2001

20753	• PHILLIPS Reaser	OO	9
20977	XXXX	OO	
20996	XXXX	OO	
20997	• BOFFY Sheree	OO	+0
21171	• SCHROYER Howard	OO	+0
21207	XXXX	OO	
21247	• PETERSON Peggie	OO	+0
21391	• PETERSON Chris	OO	+0
X	CASTRO VALLEY BLVD		
X	CASTRO VALLY BLVD E		2 2
22021	• LAMENDOLA N A	510-581-0657	
22025	* CLECKNER JOANN Z CPA	510-889-0799	6
	• CLECKNER William	OO	+0
22029	XXXX	OO	
22047	• JOHNSON Wiley	OO	+0
	NIELSEN N	510-581-9821	+0
22056	XXXX	OO	
22058	• KHATRI H	OO	+0
	* LIQUOR CENTER THE	510-582-8468	
22060	XXXX	OO	
22062	XXXX	OO	
22064	XXXX	OO	

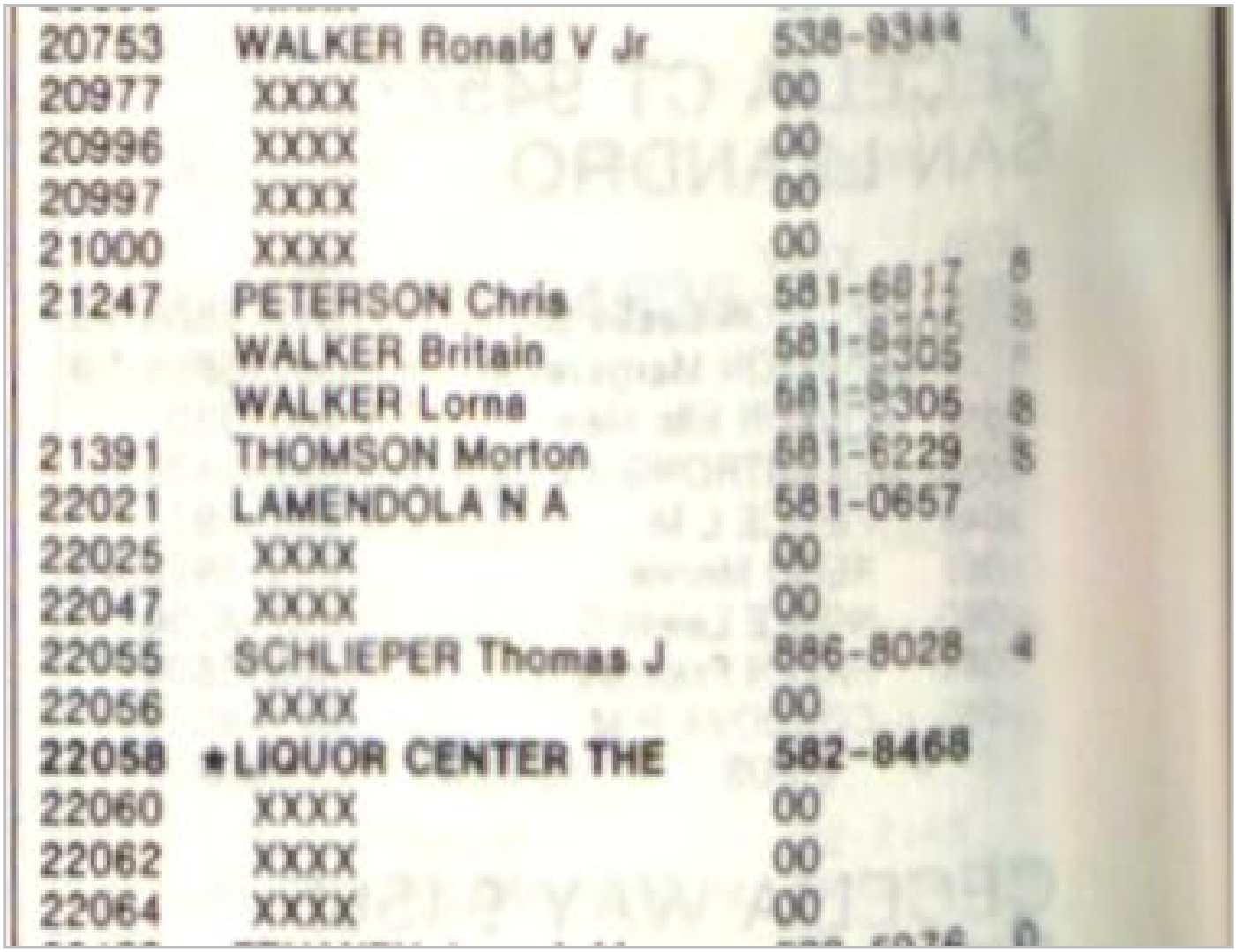
Target Street	Cross Street	Source
✓	-	Haines Criss-Cross Directory

Canter Street 1994

20595	XXXX	00
20599	XXXX	00
22021	*LAMENDOLA N A	581-0657
22025	*SEREDA ACCOUNTANCY	889-0799
	*SEREDA ROBERT E CPA	889-0799
22029	*ROSENBUSCH ROBT MAI	247-9076 +4
22047	XXXX	00
22056	XXXX	00
22058	*LIQUOR CENTER THE	582-8468
22060	XXXX	00

Target Street	Cross Street	Source
✓	-	Haines Criss-Cross Directory

Canter Street 1989



20753	WALKER Ronald V Jr	538-9344
20977	XXXX	00
20996	XXXX	00
20997	XXXX	00
21000	XXXX	00
21247	PETERSON Chris	581-6817
	WALKER Britain	581-9305
	WALKER Lorna	581-9305
21391	THOMSON Morton	581-6229
22021	LAMENDOLA N A	581-0657
22025	XXXX	00
22047	XXXX	00
22055	SCHLIEPER Thomas J	886-8028
22056	XXXX	00
22058	*LIQUOR CENTER THE	582-8468
22060	XXXX	00
22062	XXXX	00
22064	XXXX	00

Target Street	Cross Street	Source
✓	-	Haines Criss-Cross Directory

Canter Street 1985

20753	WALKER RONALD V JR	538-9344	1
20977	XXXX	00	
20996	ESCHENBACH W B	538-2470	+5
	PRATHER JOHN C	881-5347	4
21391	THOMSON MORTON	581-6229	+5
21600	XXXX	00	
22021	LAMENDOLA N A	581-0657	
22025	BUSINESS INC	881-0742	4
	CASTRO VLY WINDFRMS	881-5182	+5
	M P L ASSOCIATES	886-4870	4
22047	XXXX	00	
22055	SCHLIEPER THOMAS J	886-8028	4
22056	OAK RICH CORP	537-8072	+5
22058	INTER LINK DSTRBTRS	881-7698	+5
	LIQUOR CENTER THE	582-8468	
22060	XXXX	00	
22062	XXXX	00	
22064	XXXX	00	

Target Street	Cross Street	Source
✓	-	Haines Criss-Cross Directory

Canter Street 1980

20753	XXXX	00	
20977	MONTGOMERY CHERI	537-5328	+0
20997	GRAY ANNIE M	537-3265	2
21000	GRISWOLD WALTER	581-4930	
21207B	MASCOTE CALVIN	582-6343	+0
21600*	D&G FLOWERS&PRODUC	881-9331	6
22021	LAMENDOLA N A	581-0657	3
22025	FUNNELL JAY	538-7184	9
	SHRIVER LAURIE	538-7184	9
	VILLENEUVE LOUIS	581-9801	+0
22047	XXXX	00	
22055	ALLISON W J	538-1942	3
22058*	LIQUOR CENTER THE	582-8468	
22060*	JOHNNYS MEAT MKT	582-7352	
22062	XXXX	00	
22068	BARREAU RONALD	886-5988	3
	GARCES KENNETH	886-4438	9
*	LOTUS PROPERTIES	538-5775	

Target Street	Cross Street	Source
✓	-	Haines Criss-Cross Directory

Canter Street 1975

20753		TOLER JAMES W JR	537-0865+5
20977		CHASE JOSEPH B	581-0107 3
20997		GRAY ANNIE M	537-3265 2
21000		GRISWOLD WALTER	581-4930
21207		PEXTON R JEFF	538-7958+5
21247		XXXX	OO
21391		RHODES L A	538-8825 4
21600	*	D&G FLOWERS&PRODUCE	581-9331+5
22021		LAMENDOLA N A	581-0657 3
22025		GAYLORD LAURA	582-7426 3
		MACMILLAN MARIAN	537-7602 2
22047		SCHLIEPER FRED C	581-1585 3
22055		ALLISON W J	538-1942 3
22058	*	LIQUOR CENTER THE	582-8468
	*	U SAVE LIQUOR CENTR	582-8468
22060	*	JOHNNYS MEAT MKT	582-7352
22062		XXXX	OO
22068		BARREAU RONALD	886-5988 3
	*	LOTUS PROPERTIES	538-5775
		THOMAS ED	538-2912+5

APPENDIX H

PRIOR REPORTS

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APPENDIX I

RESUMES

Gabe Stivala, P.G.

Current Position
Senior Project Manager / Senior Geologist

Profession
Remediation and Assessment Management

Years' Experience
20

Joined Cardno
October 2010

Education
B.S., Geological Sciences, University of Miami, Coral Gables, FL

Professional Registrations
Registered Professional Geologist (CA #7780)

Summary of Experience

Mr. Stivala has over 20 years of environmental management. He manages environmental site assessments, remedial alternative testing, and environmental support for construction and demolition projects. He is adept at negotiating environmental solutions with regulators, attorneys and clients. In his capacity as a senior environmental professional, he has managed environmental programs in the oil & gas and aviation industries. Mr. Stivala's regional experience spans California, Oregon, Washington, Florida, and Georgia.

Mr. Stivala is well-versed in the management and preparation of a range of technical reports including site investigation work plans, corrective action plans, remedial action plans, feasibility studies, site conceptual models, groundwater monitoring reports, and Phase I & II ESAs. Mr. Stivala's environmental field techniques includes drilling via hollow-stem auger, direct-push, mud rotary, air rotary, and cone penetrometer testing. He is skilled in aquifer testing media sampling. Mr. Stivala has implemented several remedial alternatives including multi-phase extraction, airsparging, bioventing, pump & treat, in situ chemical oxidation, surfactant application, and excavation.

Mr. Stivala is dedicated to protecting workers' well-being by fostering a strong culture of health and safety in the workplace. Mr. Stivala has extensive experience with behavior-based health & safety philosophies such as the Loss Prevention System. He has led near-loss investigations, performed field safety observation and feedback sessions as well as tracked company's regional use of health & safety documentation tools.

Significant Projects

> Retail Petroleum Portfolio Management / Western U.S. From 2005 to present. Managed large portfolios for Phillips 66 Company, ConocoPhillips, ExxonMobil, and Chevron Environmental Management Company sites. Responsible for stewarding teams of project managers and scientists in the assessment and remediation of petroleum-impacted sites of varying sizes. Personally managed portfolio of over 40 projects at a time. Sites consist of bulk fuel terminals and service stations. Implemented assessment technologies, such as Membrane Interface Probe, Rapid Optical Screening Tool, and Ultraviolet Induced Fluorescence. Managed implementation of remedial alternatives including multi-phase extraction, air sparging, bio sparging, in situ chemical oxidation, and surfactant application. Presented remedial action plans to Chevron's in-house remediation review team. Versed in Chevron's Incident Reporting Protocol and have led Loss Prevention System (LPS) Near Loss Investigations, prepared Loss Prevention Observations, and led feedback sessions. Tracked company's regional use of LPS tools.

> Airport Facility Site Assessment & Remediation / Nationwide. Managed large-scale contamination assessment and remediation projects at San Francisco, Oakland, Sacramento and Miami Airports from1991 to 2008.

Contaminants included petroleum, chlorinated solvents, and metals. Performed jet fuel bulk storage facilities assessments at San Francisco and Oakland International Airports. Major clients include United Airlines, SFO Fuel, PS Trading, and Dade County Aviation Department. Interfaced with airport and regulatory agency officials. Coordinated “air-side” activities under expedited schedules. Performed fuel-hydrant line closures and provided environmental support for airport facilities modification projects.

> Fractured Bedrock Investigation / San Francisco Airport. Field manager for bedrock drilling project. Supervised drilling of multilevel monitoring wells up to 500 feet deep into fractured bedrock as part of a chlorinated solvent assessment. Down-hole geophysical logging was performed to identify fracture zones. Logging included caliper, resistivity, gamma, and video logging. Wells were drilled using a mud and air rotary rig.

> Aviation Fuel Storage Facilities Demolitions / San Francisco, Oakland Airports and Sacramento. Program manager for the decommissioning of aviation fuel distribution facilities. Orchestrated demolition of bulk jet fuel storage tank facilities and subsequent assessment and remediation. Negotiated with regulatory authorities and outside consultants. Remediation at San Francisco International Airport included excavation and in situ chemical oxidation. One project included a large excavation of soil impacted with jet fuel and PCBs.

> Former Solvent Packaging Facility Remediation, Union City, CA. Maintained a large groundwater/soil remediation system located at a former solvent packaging facility. Chlorinated solvent contamination from the facility extended a quarter mile offsite and was captured using 22 groundwater extraction wells pumping from two separate aquifers. Air treatment was performed using a resin absorption unit.

> Railroad Facilities Assessment and remediation/ Western United States. Managed environmental site assessment projects at Union Pacific Railroad sites in California and Oregon. Projects consisted of assessments of petroleum, solvents, metals, and pesticides contamination.

Training

> OSHA 40-Hour Hazardous Waste Operations Training

> OSHA 8-Hour Hazardous Waste Operations Supervisor Training

> Loss Prevention System (LPS) Training

> BATC Refinery Safety Training

Destiny S. Hazra, M.A.

Current Position
Senior Scientist

Profession
Environmental Assessment

Years' Experience
8

Joined Cardno
June 2012

Education
M.A., Marine Affairs and Policy, University of Miami

B.S., Biology, Wofford College

Affiliations
American Planning Association (APA), Florida Chapter

Professional Planner in Training

Environmental Professional in Training

Summary of Experience

Ms. Hazra is responsible for conducting Phase I Environmental Site Assessments and Environmental Assessments in accordance with ASTM E 1527-05 and the National Environmental Policy Act. Ms. Hazra also performs various phases of biological and environmental field investigations, environmental permitting and data analysis related to the preparation of technical reports in accordance with the NEPA.

Significant Projects

> **Phase I Environmental Site Assessments:** Conducts Environmental Assessments for major financial loan institutions and national clients in accordance with client-specific and/or ASTM protocols. Specific activities performed included site inspections; title searches; historical aerial photograph analyses; topographic and geologic map analyses; federal, state and local agency file reviews; and technical report preparation.

> **National Environmental Policy Act (NEPA) Consultant:** Conducts various phases of biological and environmental field investigations and data analysis related to the preparation of technical reports in accordance with NEPA. Current projects involve Environmental Planning to provide technical guidance, environmental documentation, regulatory permitting and agency coordination for an informed decision-making process related to Capital Improvement projects. Projects involve sustainable development/design to ensure environmental issues such as noise and vibration, air quality, critical habitat, hazardous wastes, soil and water quality are considered and these implications are balanced between society and stakeholders.

> **Environmental Site Assessments, City of Miami, Department of Economic Development:** Performed large scale environmental assessment for the City of Miami/Department of Economic Development. Project included large tracts of developed land encompassing several city blocks (800+ properties) with detailed historical and regulatory summaries, site reconnaissance information, and recommendations for additional assessment, as warranted. Data was managed in MS Access database to allow for use of data in GIS analysis.

> **Transaction Screening Reports:** Performs Transaction Screenings of commercial, industrial, retail, and telecommunications facilities in accordance with ASTM E 1527-05.

> **National Environmental Policy Act (NEPA) Reviews:** Conducts Environmental Site Assessments, NEPA compliance studies, Biological Assessments, environmental permitting and additional NEPA requirements under the State Historic Preservation Office (SHPO) and Tribal Historic Preservation Office (THPO).

> **Faunal Density and Community Composition of the Nearshore Zone for the Florida Comprehensive Everglades Restoration Project:** Managed and expedited all biological data sampling, identification of species, data processing, publishing reports. In addition, performed GIS and data acquisitions for a National Geodetic Survey (NGS)-sponsored Shallow Water Positioning System (SWaPS) Project mapping nearshore benthic habitats in Biscayne Bay, Florida. Coordinated the GIS-based field data acquisition of continuous high-resolution photographic data to monitor benthic habitats, assisted with the spatial analysis and correlative statistics for processed field data, and published results in a peer-reviewed journals.

Audrey Krompholz, CAC

Current Position
Due Diligence Services Manager

Profession
Due Diligence Services Manager

Years' Experience
8

Joined Cardno
March 2005

Education
B.S., Environmental Science with a Biological Emphasis, University of California, Berkeley, CA, 2004

Professional Certifications
Certified Asbestos Consultant, State of California, Division of Occupational Safety and Health (CA, #09-4483, 2009)

Summary of Experience

Ms. Krompholz has experience performing and managing Phase I Environmental Site Assessments (ESAs), Transaction Screen Assessments (TSAs), Property Condition Assessments (PCAs), and industrial hygiene investigations. She develops report templates in support of due diligence and industrial hygiene service lines. Ms. Krompholz is responsible for leading staff scientists, industrial hygienists, project managers, field technicians, and subcontractors, as well as coordinating large-scale microbial remediation oversight contracts.

Significant Projects

- **Modified Environmental Site Assessments and FCC-Required Environmental Compliance Studies / Telecommunications Sector / California and Nevada.** Performed and managed over 200 Modified Phase I ESAs or FCC-required environmental compliance studies in support of telecommunication service expansion and antenna placement.
- **Environmental Site Assessments / Agricultural, Residential, Commercial, Industrial, and Government Sectors / Northern California.** Performed and managed ASTM-compliant ESAs in support of pending real estate transactions. Completed a Phase I ESA for a 12.9-acre site in San Rafael that was previously utilized as a manufactured gas plant, corporation yard, and gasoline service station; each of the prior uses had contributed to onsite contamination which required further action. Performed a Phase I ESA of a 123-acre site in Salinas which was previously utilized as a tire-manufacturing plant and was delisted from the National Priority List.
- **Transaction Screen Assessments / Education, Residential, Commercial, and Industrial Sectors / Northern California.** Performed and managed ASTM-compliant TSAs and developed a report template that complies with the revised ASTM standard and current SBA guidelines.
- **Property Condition Assessments / Residential, Commercial, and Industrial Sectors / Northern California.** Performed PCAs to include observation and report of the physical condition and maintenance of a property and its improvements. PCA reports addressed items significant for the continued operation of a facility in its current usage and occupancy, consistent with comparable properties of similar age. One PCA included an assessment of a 44-acre marina in Alameda which contained 10 piers, 530 berths, and approximately 37 buildings constructed between the early 1900's and 1984.
- **Combustible Materials Assessment / Data Center / San Jose, CA.** Developed a scope of work/report template and completed the combustible materials assessment. The report was well-received by City of San Jose Fire Department staff who commented on its thoroughness and accuracy.

- **Indoor Air Quality, Odor, and Microbial Investigations / Education, Residential, Commercial Industrial, and Government Sectors / Northern California.** Performed indoor air quality, odor, and microbial investigations at numerous site buildings and campuses throughout the San Francisco Bay Area. Investigations included visual inspections, HVAC inspections, collection of indoor air quality measurements, bulk and/or air sample collection, interpretation of findings and analytical results, report preparation, and site-specific remediation strategies.
- **Asbestos, Lead, and Dust Air Monitoring / Construction, Education, Residential, Commercial, and Industrial Sectors / Northern California.** Conducted air monitoring and oversight of construction, emergency spill/release cleanup, or abatement activities. Directed subcontractors and responded to emergency situations in adherence with the established scope of work. Recommended scope modifications in response to tenant concerns. Represented the environmental consulting company at regularly scheduled board meetings regarding abatement status.
- **Limited, Comprehensive, and Demolition ACM Surveys / Education, Residential, Commercial, and Industrial Sectors / Northern California and Oregon.** Identified, quantified and sampled suspect asbestos-containing materials (ACMs). Interpreted laboratory analytical data and provided recommendations to the client, in report format, for ACM management procedures.
- **AHERA Surveys / Education Sector / Northern California.** Re-inspected asbestos-containing building materials within multiple district campuses according to AHERA protocol. Photographed areas of concern and provided recommendations to clients, in report format, for ACM management procedures.
- **Spill Prevention, Control, and Countermeasure (SPCC) Plan / Data Center / San Francisco, CA.** Completed an SPCC plan for a light industrial data center with several backup generators and aboveground storage tanks.
- **Groundwater Monitoring / Commercial and Industrial Sectors / Northern California.** Performed groundwater monitoring activities in accordance with scheduled monitoring events designed to evaluate groundwater contamination at petroleum service stations and industrial facilities.

Training

- OSHA 40-Hour Hazardous Waste Operations Training and Refresher (CA, 2010)
- 16-Hour Microbial Investigations, Assessments and Remediation in the Indoor Environmental Training Course conducted by ATC (CA, 2008)
- Medic First Aid and CPR Training (CA, 2009)

Professional Activities

- Commercial Real Estate Women, East Bay Chapter
- National Association of Industrial and Office Properties, Associate Member 189425
- The Environmental Information Association, Member

Professional History

March 2005 to Present

> Due Diligence Services Manager / Cardno ATC (formerly ATC Associates Inc.) / Pleasanton, CA

July 2004 to March 2005

> Industrial Hygienist / Professional Service Industries, Inc. (PSI) / Oakland, CA

APPENDIX J

RECORDS OF COMMUNICATION

Destiny Hazra

From: Rochelle Reed <publicrecords@baaqmd.gov>
Sent: Thursday, October 17, 2013 1:31 PM
To: Destiny Hazra
Subject: Public Records Request No. 2013-10-0115

Dear Destiny Hazra,

Thank you for your request. We have searched our records and have no records that respond to your below request for:

unknown
4096 Castro Valley Boulevard
Castro Valley

If you have any questions or concerns, please call or e-mail me.

Sincerely,

Rochelle Reed
Public Records Section
BAAQMD
415-749-4784

Destiny Hazra

From: Rochelle Reed <publicrecords@baaqmd.gov>
Sent: Thursday, October 17, 2013 1:27 PM
To: Destiny Hazra
Subject: Public Records Request No. 2013-10-0114

Dear Destiny Hazra,

Thank you for your request. We have searched our records and have no records that respond to your below request for:

unknown
21195 Center Street
Castro Valley

If you have any questions or concerns, please call or e-mail me.

Sincerely,

Rochelle Reed
Public Records Section
BAAQMD
415-749-4784

Matthew Rodriguez
Secretary for
Environmental Protection

Department of Toxic Substances Control

Debbie Raphael, Director
700 Heinz Avenue
Berkeley, California 94710-2721

Edmund G. Brown, Jr.
Governor

October 21, 2013

Destiny Hazra
Cardno/ATC
6602 Owens Drive, Suite 100
Pleasanton, CA 94588

PUBLIC RECORDS ACT REQUEST DATED: 10/15/13FAX

SUBJECT(S): 21195 CENTER ST., CASTRO VALLEY, VA 94546

PRAR #: 02-10-15-13-11

Dear Ms. Hazra:

We have received your Public Records Act Request for information from the Department of Toxic Substances Control.

After a thorough review of our files we have found that *no such records exist* at this office pertaining to the site(s) referenced above.

If you have any questions regarding this request, or require information for additional sites, please direct your inquiries to the numbers provided below.

Thanks and regards,

Berkeley Fileroom Staff
DTSC Berkeley Regional Office
Direct: 510.540.3800
Fax: 510.540.3801
e-mail: berkeleyfileroom@dtsc.ca.gov

ALAMEDA COUNTY
HEALTH CARE SERVICES
AGENCY
ALEX BRISCOE, Agency Director

DEPARTMENT OF ENVIRONMENTAL HEALTH
Hazardous Materials Programs
Certified Unified Program Agency (CUPA)
1131 Harbor Bay Parkway, Suite 250
Alameda, CA 94502-6577
(510) 567-6700
FAX (510) 337-9335

Fax

To:	Destiny Harza	From:	Jacquelynn Lethridge, ACEH
Fax:	925-463-2559	Pages:	2
Phone:	925-460-5300	Date:	October 18, 2013
Re:	File Review Response	cc:	

☐ Urgent ☐ For Review ☐ Please Comment ☐ Please Reply ☐ Response to Request

Comments:
I sent you an email and have yet to receive a response. Please check your email folders.

We received your fax. We do show CUPA hazmat records for the following address:
21195 Center Street, Castro Valley

I have availability this Thursday 10/24 10am
I will schedule you for this time unless communicated otherwise.
Please reply if this time works best for you.
510-567-6809

Thank you,

Please consider using our new CUPA File review system online.
This is a more efficient practice we are trying to adopt.
For future File Review inquires please visit us online at
http://www.acgov.org/aceh/hazard/cupa-file-review-request.htm

[redacted]
Best Regards,

Jacquelynn Lethridge, Specialist Clerk I
- CUPA/LOP
- File Review Administrator

Alameda County
Department of Environmental Health
1131 Harbor Bay Parkway #250
Alameda, CA 94502

510 567 6809

Fax Transmittal

Cardno ATC
Shaping the Future

To:	My Le Huynh: Alameda County Environmental Health Department	Fax:	510-337-9335
From:	Destiny Hazra	Date:	October 15, 2013
Re:	File Review	Pages:	1
Cc:	destiny.hazra@cardno.com		

Cardno ATC
6802 Owens Drive
Suite 100
Pleasanton, California 94588
Phone +1 925-460-5300
Fax +1 925-463-2559
www.cardno.com

www.cardnoatc.com

☐ Urgent ☐ Confidential ☐ Distribute to multiple personnel

Date response needed by: 10/21/2013

Additional Notes:

Dear Ms. Huynh:

Cardno ATC is conducting environmental site assessments and would like to review files for the following address:

21195 Center Street, Castro Valley, CA 94546

If you have any files for the above listed sites, please contact me as soon as possible to set up the earliest available appointment for a file review. I appreciate your prompt attention to this matter. If you have any questions, please feel free to contact me.

Thank you,

Cardno ATC

10/21 10 am

Fax Transmittal

Cardno ATC
Shaping the Future

To:	My Le Huynh: Alameda County Environmental Health Department	**Fax:**	510-337-9335
From:	Destiny Hazra	**Date:**	October 15, 2013
Re:	File Review	**Pages:**	1
Cc:	destiny.hazra@cardno.com		

Cardno ATC

6602 Owens Drive
Suite 100
Pleasanton, California 94588

Phone +1 925-460-5300
Fax +1 925-463-2559
www.cardno.com

www.cardnoatc.com

☐ **Urgent** ☐ **Confidential** ☐ **Distribute to multiple personnel**

Date response needed by: 10/21/2013

Additional Notes:

Dear Ms. Huynh:

Cardno ATC is conducting environmental site assessments and would like to review files for the following address:

21195 Center Street, Castro Valley, CA 94546

If you have any files for the above listed sites, please contact me as soon as possible to set up the earliest available appointment for a file review. I appreciate your prompt attention to this matter. If you have any questions, please feel free to contact me.

Thank you,

Cardno ATC

Fax Transmittal

Cardno ATC
Shaping the Future

To:	Alameda County Fire Department	**Fax:**	510-887-5836
From:	Destiny Hazra	**Date:**	October 15, 2013
Re:	File Review	**Pages:**	1
Cc:	destiny.hazra@cardno.com		

Cardno ATC

6602 Owens Drive
Suite 100
Pleasanton, California 94588

Phone +1 925-460-5300
Fax +1 925-463-2559
www.cardno.com

www.cardnoatc.com

☐ **Urgent** ☐ **Confidential** ☐ **Distribute to multiple personnel**

Date response needed by: 10/21/2013

Additional Notes:

Dear Personnel:

Cardno ATC is conducting environmental site assessments and would like to review files for the following addresses:

21195 Center Street, Castro Valley, CA 94546

If you have any incident of fire, hazardous materials, and or storage tank files for the above listed sites, please contact me as soon as possible to set up the earliest available appointment for a file review. I appreciate your prompt attention to this matter. If you have any questions, please feel free to contact me.

Thank you,

Cardno ATC

"ADRIANE" 11/5/13 No file

Fax Transmittal

Cardno ATC
Shaping the Future

To:	Carl Rose: DTSC	**Fax:**	510-540-3801
From:	Destiny Hazra	**Date:**	October 15, 2013
Re:	File Review	**Pages:**	1
Cc:	destiny.hazra@cardno.com		

Cardno ATC

6602 Owens Drive
Suite 100
Pleasanton, California 94588

Phone +1 925-460-5300
Fax +1 925-463-2559
www.cardno.com

www.cardnoatc.com

☐ **Urgent** ☐ **Confidential** ☐ **Distribute to multiple personnel**

Date response needed by: 10/21/2013

Additional Notes:

Dear Mr. Rose:

Cardno ATC is conducting an environmental site assessment and would like to review files for the following addresses:

21195 Center Street, Castro Valley, CA 94546

If you have any files for the above listed sites, please contact me as soon as possible to set up the earliest available appointment for a file review. I appreciate your prompt attention to this matter. If you have any questions, please feel free to contact me.

Thank you,

Cardno ATC

Fax Transmittal

Cardno ATC
Shaping the Future

To:	Melinda Wong: RWQCB-SF Region	**Fax:**	510-622-2460
From:	Destiny Hazra	**Date:**	October 15, 2013
Re:	File Review	**Pages:**	1
Cc:	destiny.hazra@cardno.com		

Cardno ATC

6602 Owens Drive
Suite 100
Pleasanton, California 94588

Phone +1 925-460-5300
Fax +1 925-463-2559
www.cardno.com

www.cardnoatc.com

☐ **Urgent** ☐ **Confidential** ☐ **Distribute to multiple personnel**

Date response needed by: 10/21/2013

Additional Notes:

Dear Melinda:

Cardno ATC is conducting an environmental site assessment and would like to review files for the following addresses:

21195 Center Street, Castro Valley, CA 94546

If you have any files for the above listed sites, please contact me as soon as possible to set up the earliest available appointment for a file review. I appreciate your prompt attention to this matter. If you have any questions, please feel free to contact me.

Thank you,

Cardno ATC

* * * Communication Result Report (Oct. 15. 2013 2:37PM) * * *

1)
2)

Date/Time: Oct. 15. 2013 2:36PM

File No.	Mode	Destination	Pg(s)	Result	Page Not Sent
4694	Memory TX	15103379335	P. 1	OK	

Reason for error
E. 1) Hang up or line fail
E. 2) Busy
E. 3) No answer
E. 4) No facsimile connection
E. 5) Exceeded max. E-mail size

Fax Transmittal

Cardno ATC
Shaping the Future

To:	My Le Huynh: Alameda County Environmental Health Department	Fax:	510-337-9335
From:	Destiny Hazra	Date:	October 15, 2013
Re:	File Review	Pages:	1
Cc:	destiny.hazra@cardno.com		

Cardno ATC
6662 Owens Drive
Suite 100
Pleasanton, California 94588
Phone +1 925 468 5300
Fax +1 925 463 2669
www.cardno.com

☐ Urgent ☐ Confidential ☐ Distribute to multiple personnel

Date response needed by: 10/21/2013

Additional Notes:

Dear Ms. Huynh:

Cardno ATC is conducting environmental site assessments and would like to review files for the following address:

21195 Center Street, Castro Valley, CA 94546

If you have any files for the above listed sites, please contact me as soon as possible to set up the earliest available appointment for a file review. I appreciate your prompt attention to this matter. If you have any questions, please feel free to contact me.

Thank you,

Cardno ATC

* * * Communication Result Report (Oct. 15. 2013 2:38PM) * * *
1)
2)

Date/Time: Oct. 15. 2013 2:36PM

File No.	Mode	Destination	Pg(s)	Result	Page Not Sent
4695	Memory TX	15108875836	P. 1	OK	

Reason for error
E. 1) Hang up or line fail
E. 2) Busy
E. 3) No answer
E. 4) No facsimile connection
E. 5) Exceeded max. E-mail size

Fax Transmittal

Cardno ATC
Shaping the Future

To:	Alameda County Fire Department	Fax:	510-887-5836
From:	Destiny Hazra	Date:	October 15, 2013
Re:	File Review	Pages:	1
Cc:	destiny.hazra@cardno.com		

Cardno ATC
6932 Owens Drive
Suite 100
Pleasanton, California 94588
Phone +1 925-460-4260
Fax +1 925-463-2560
www.cardno.com
www.cardnoatc.com

☐ Urgent ☐ Confidential ☐ Distribute to multiple personnel

Date response needed by: 10/21/2013

Additional Notes:

Dear Personnel

Cardno ATC is conducting environmental site assessments and would like to review files for the following addresses:

21185 Center Street, Castro Valley, CA 94546

If you have any incident of fire, hazardous materials, and or storage tank files for the above listed sites, please contact me as soon as possible to set up the earliest available appointment for a file review. I appreciate your prompt attention to this matter. If you have any questions, please feel free to contact me.

Thank you,

Cardno ATC

* * * Communication Result Report (Oct. 15. 2013 2:38PM) * * *

1)
2)

Date/Time: Oct. 15. 2013 2:37PM

File No.	Mode	Destination	Pg(s)	Result	Page Not Sent
4696	Memory TX	15105403801	P. 1	OK	

Reason for error
E. 1) Hang up or line fail
E. 2) Busy
E. 3) No answer
E. 4) No facsimile connection
E. 5) Exceeded max. E-mail size

Fax Transmittal

Cardno ATC
Shaping the Future

To:	Carl Rose: DTSC	Fax:	510-540-3601
From:	Destiny Hazra	Date:	October 15, 2013
Re:	File Review	Pages:	1
Cc:	destiny.hazra@cardno.com		

Cardno ATC
6002 Owens Drive
Suite 108
Pleasanton, California 94588
Phone +1 925 460 5300
Fax +1 925 463 3690
www.cardno.com
www.cardnoatc.com

☐ Urgent ☐ Confidential ☐ Distribute to multiple personnel

Date response needed by: 10/21/2013

Additional Notes:

Dear Mr. Rose:

Cardno ATC is conducting an environmental site assessment and would like to review files for the following addresses:

21185 Center Street, Castro Valley, CA 94546

If you have any files for the above listed sites, please contact me as soon as possible to set up the earliest available appointment for a file review. I appreciate your prompt attention to this matter. If you have any questions, please feel free to contact me.

Thank you,

Cardno ATC

* * * Communication Result Report (Oct. 15. 2013 2:39PM) * * *

1)
2)

Date/Time: Oct. 15. 2013 2:37PM

File No.	Mode	Destination	Pg(s)	Result	Page Not Sent
4697	Memory TX	15106222460	P. 1	OK	

Reason for error
E. 1) Hang up or line fail
E. 2) Busy
E. 3) No answer
E. 4) No facsimile connection
E. 5) Exceeded max. E-mail size

Fax Transmittal

Cardno ATC
Shaping the Future

To:	Melinda Wong: RWQCB-SF Region	Fax:	510-622-2460
From:	Destiny Hazra	Date:	October 16, 2013
Re:	File Review	Pages:	1
Cc:	destiny.hazra@cardno.com		

Cardno ATC
6500 Dumbarton Circle
Suite 130
Fremont, California 94555
Phone +1 925 460 3300
Fax +1 925 463 2559
www.cardno.com
www.cardnoatc.com

☐ Urgent ☐ Confidential ☐ Distribute to multiple personnel

Date response needed by: 10/21/2013

Additional Notes:

Dear Melinda:

Cardno ATC is conducting an environmental site assessment and would like to review files for the following addresses:

21195 Center Street, Castro Valley, CA 94546

If you have any files for the above listed sites, please contact me as soon as possible to set up the earliest available appointment for a file review. I appreciate your prompt attention to this matter. If you have any questions, please feel free to contact me.

Thank you,

Cardno ATC

ATC ASSOCIATES INC.

RECORD OF COMMUNICATION

PROJECT INFORMATION

Type of Communication: ☐ in-person ☒ telephone ☐ other (please specify)_____

Date of Communication: 11-4-13 Time of Communication: 11:30 (am)/pm

ATC Project Name: CALTRANS STORAGE YARD Project No./Task:_____

CONTACT INFORMATION

Communication With (name): "ANDY" Title:_____

Company: AC PLANNING COMMISSION Department: ZONING

Telephone No: (510) 670 5400

ZONING: CV CBD SUB 10 (SINCE 1993)

OWNER: STATE OF CA

THINK SAFETY

Completed By (*ATC Employee signature*):_____ Page ___ of ___

* * * Communication Result Report (Nov. 5. 2013 10:45AM) * * *

1)
2)

Date/Time: Nov. 5. 2013 10:38AM

File No.	Mode	Destination	Pg(s)	Result	Page Not Sent
4750	Memory TX	917075651172	P. 1	OK	

Reason for error
E. 1) Hang up or line fail
E. 2) Busy
E. 3) No answer
E. 4) No facsimile connection
E. 5) Exceeded max. E-mail size

County of Sonoma
FIRE & EMERGENCY SERVICES DEPARTMENT
FIRE SERVICES • EMERGENCY MANAGEMENT • HAZARDOUS MATERIALS

MARK ASTON, DIRECTOR/FIRE CHIEF

CALIFORNIA PUBLIC RECORDS ACT REQUEST
FAX (707) 565-1172

Name of Individual and/or Company Requesting Records: Cardno ATC			Date: 11/5/2103
Address: 6601 Owens Drive, Suite 100			
City: Pleasanton	State CA	Zip 94588	Telephone: 925-460-4300
Fax: 925-463-2569	E-Mail Address: destiny.hayes@cardno.com		Contact Person: Destiny Hayes

Please complete one copy of this form for each Public Records Act request. Mail, fax, or e-mail the form. You will be advised as to whether or not we have records subject to release within 10 calendar days of receipt of the request. There will be a $0.32 per page charge, and you will be notified of the cost in advance of copies being made. There will be additional charges for copies of information in other forms (i.e., cassette tapes, VHS, etc.).

REQUEST FOR RECORDS PERTAINING TO:

Facility Name and/or Location: Telecommunications Facility		
Address: 1183 Dobbin Hill Road		
City: Cotati	Zip Code: 94931	APN#: 113-310-059-000

Specify Types of Information Requested:

Files related to storage tanks, hazardous materials, incidents of fire, chemical storage and/or chemical release/spill

APPENDIX K

LABORATORY REPORTS

THIS SECTION INTENTIONALLY LEFT BLANK

APPENDIX L

OTHER SUPPORTING DOCUMENTATION

U.S. Fish and Wildlife Service
National Wetlands Inventory

Nov 6, 2013

Wetlands

- Freshwater Emergent
- Freshwater Forested/Shrub
- Estuarine and Marine Deepwater
- Estuarine and Marine
- Freshwater Pond
- Lake
- Riverine
- Other

Riparian

- Herbaceous
- Forested/Shrub

Riparian Status

- Digital Data

This map is for general reference only. The US Fish and Wildlife Service is not responsible for the accuracy or currentness of the base data shown on this map. All wetlands related data should be used in accordance with the layer metadata found on the Wetlands Mapper web site.

User Remarks:

Soil Map—Alameda County, California, Western Part

MAP LEGEND

Area of Interest (AOI)
- Area of Interest (AOI)

Soils
- Soil Map Unit Polygons
- Soil Map Unit Lines
- Soil Map Unit Points

Special Point Features
- Blowout
- Borrow Pit
- Clay Spot
- Closed Depression
- Gravel Pit
- Gravelly Spot
- Landfill
- Lava Flow
- Marsh or swamp
- Mine or Quarry
- Miscellaneous Water
- Perennial Water
- Rock Outcrop
- Saline Spot
- Sandy Spot
- Severely Eroded Spot
- Sinkhole
- Slide or Slip
- Sodic Spot
- Spoil Area
- Stony Spot
- Very Stony Spot
- Wet Spot
- Other
- Special Line Features

Water Features
- Streams and Canals

Transportation
- Rails
- Interstate Highways
- US Routes
- Major Roads
- Local Roads

Background
- Aerial Photography

MAP INFORMATION

The soil surveys that comprise your AOI were mapped at 1:24,000.

Warning: Soil Map may not be valid at this scale.

Enlargement of maps beyond the scale of mapping can cause misunderstanding of the detail of mapping and accuracy of soil line placement. The maps do not show the small areas of contrasting soils that could have been shown at a more detailed scale.

Please rely on the bar scale on each map sheet for map measurements.

Source of Map: Natural Resources Conservation Service
Web Soil Survey URL: http://websoilsurvey.nrcs.usda.gov
Coordinate System: Web Mercator (EPSG:3857)

Maps from the Web Soil Survey are based on the Web Mercator projection, which preserves direction and shape but distorts distance and area. A projection that preserves area, such as the Albers equal-area conic projection, should be used if more accurate calculations of distance or area are required.

This product is generated from the USDA-NRCS certified data as of the version date(s) listed below.

Soil Survey Area: Alameda County, California, Western Part
Survey Area Data: Version 7, Jul 27, 2010

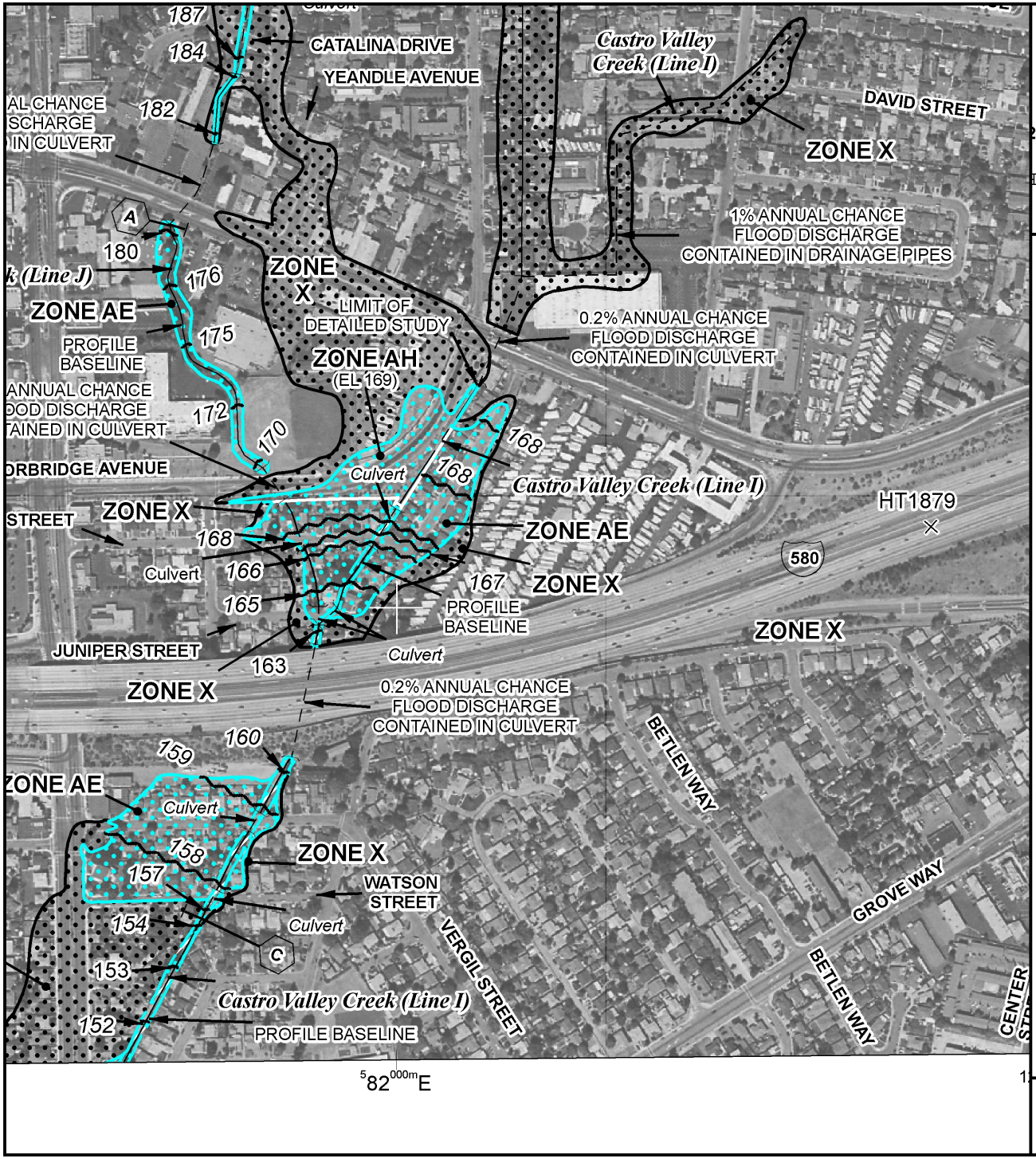
Soil map units are labeled (as space allows) for map scales 1:50,000 or larger.

Date(s) aerial images were photographed: May 12, 2010—Sep 17, 2011

The orthophoto or other base map on which the soil lines were compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor shifting of map unit boundaries may be evident.

Map Unit Legend

Alameda County, California, Western Part (CA610)			
Map Unit Symbol	**Map Unit Name**	**Acres in AOI**	**Percent of AOI**
100	Altamont clay, 5 to 15 percent slopes	1.7	100.0%
Totals for Area of Interest		**1.7**	**100.0%**



MAP SCALE 1" = 500'

250 0 500 1000

FEET

METER

NFIP

NATIONAL FLOOD INSURANCE PROGRAM

PANEL 0279G

FIRM

FLOOD INSURANCE RATE MAP

ALAMEDA COUNTY, CALIFORNIA
AND INCORPORATED AREAS

PANEL 279 OF 725

(SEE MAP INDEX FOR FIRM PANEL LAYOUT)

CONTAINS:

COMMUNITY	NUMBER	PANEL	SUFFIX
ALAMEDA COUNTY	060001	0279	G
HAYWARD, CITY OF	065033	0279	G

Notice to User: The **Map Number** shown below should be used when placing map orders; the **Community Number** shown above should be used on insurance applications for the subject community.

MAP NUMBER
06001C0279G

EFFECTIVE DATE
AUGUST 3, 2009

Federal Emergency Management Agency

This is an official copy of a portion of the above referenced flood map. It was extracted using F-MIT On-Line. This map does not reflect changes or amendments which may have been made subsequent to the date on the title block. For the latest product information about National Flood Insurance Program flood maps check the FEMA Flood Map Store at www.msc.fema.gov

Caltrans Storage Yard
21195 Canter Street
Castro Valley, CA 94546

Inquiry Number: 3758076.7S
October 25, 2013

The EDR Environmental LienSearch™ Report

440 Wheelers Farms Road
Milford, CT 06461
800.352.0050
www.edrnet.com

EDR Environmental LienSearch™ Report

The EDR Environmental LienSearch Report provides results from a search of available current land title records for environmental cleanup liens and other activity and use limitations, such as engineering controls and institutional controls.

A network of professional, trained researchers, following established procedures, uses client supplied address information to:

- search for parcel information and/or legal description;
- search for ownership information;
- research official land title documents recorded at jurisdictional agencies such as recorders' offices, registries of deeds, county clerks' offices, etc.;
- access a copy of the deed;
- search for environmental encumbering instrument(s) associated with the deed;
- provide a copy of any environmental encumbrance(s) based upon a review of key words in the instrument(s) (title, parties involved, and description); and
- provide a copy of the deed or cite documents reviewed.

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

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EDR Environmental LienSearch™ Report

TARGET PROPERTY INFORMATION

ADDRESS

Caltrans Storage Yard
21195 Canter Street
Castro Valley, CA 94546

RESEARCH SOURCE

Source 1: Alameda County, California Assessor

Source 2: Alameda County, California Recorder

PROPERTY INFORMATION

Deed 1:

According to the Alameda County Assessor, the current owner of the subject property is the State of California. Records were searched at the Alameda County Recorder's Office. No conveyance was found of record for the subject property.

Legal Description: All that certain piece or parcel of land containing 1.25 acres, more or less, being a portion of Lot 40 of the Plat of the Rancho San Lorenzo finally confirmed to Guillermo Castro, situate and lying in the County of Alameda, State of California.

Legal Current Owner: State of California

Property Identifiers: 084C-0650-001-00

ENVIRONMENTAL LIEN

Environmental Lien: Found ☐ Not Found ☒

If found:

1st Party:

2nd Party:

Dated:

Recorded:

Book:

Page:

Docket:

Volume:

Instrument:

Comments:

Miscellaneous:

EDR Environmental LienSearch™ Report

OTHER ACTIVITY AND USE LIMITATIONS (AULs)

Other AUL's: Found ☐ Not Found ☒

If found:

1st Party:

2nd Party:

Dated:
Recorded:
Book:
Page:
Docket:
Volume:
Instrument:
Comments:
Miscellaneous:

WALLACE • KUHL
& ASSOCIATES INC.

97 JUN 18 PM 2:42

June 16, 1997

Ms. Amy Leech
Alameda County Environmental Health Services
1131 Harbor Bay Parkway, Suite 250
Alameda, California 94502-6577

WELL ABANDONMENT NOTIFICATION
CALTRANS HAYWARD MAINTENANCE STATION
21195 Center Street
Castro Valley, California

Dear Ms. Leech,

At your request, I have attached two copies of site maps originally provided to me by you. Locations of the three vapor wells (VW1-VW3) and the single groundwater monitoring well (MW1) are shown on the two maps and correspond with the wells destroyed. I have also attached a copy of the approved drilling permit application from Zone 7 Water Agency.

If you have any questions, please do not hesitate to contact me.

Wallace - Kuhl & Associates, Inc.

Kurt Balasek
Senior Hydrogeologist

KMB:sdm

Copies to: Wyman Hong, Zone 7 Water Resources Management
Mike Golden, Division of the State Architect

Geotechnical Engineering
Engineering Geology
Environmental Consulting
Remediation Services
Construction Inspection
Materials Testing

3050 Industrial Blvd.
West Sacramento
CA 95691
Fax 916.372.2565
916.372.1434

K\3474-01.ltr2

Recycled paper

WALLACE - KUHL
& ASSOCIATES INC.

June 11, 1997

Ms. Amy Leech
Alameda County Environmental Health Services
1131 Harbor Bay Parkway, Suite 250
Alameda, California 94502-6577

WELL ABANDONMENT NOTIFICATION
CALTRANS HAYWARD MAINTENANCE STATION
21195 Center Street
Hayward, California

Dear Ms. Leech,

In accordance with our telephone conversation of May 20, 1997, I am writing to inform you that we have completed the abandonment of four monitoring wells at the above referenced site.

The work was completed on Thursday, May 22, 1997 and included complete overdrill of three two-inch diameter, 35 foot deep wells, and one four-inch diameter, 40 foot deep well. Once each well was overdrilled, a tremmie system was used to fill the wells to the surface with cement grout. The tops of each well were capped with ready mix concrete to avoid trip hazards and provide strength to support traffic. All work was completed in accordance with the Alameda County Flood Control and Water Conservation District, Zone 7 Water Resource Management Department requirements.

If you have any questions, please do not hesitate to contact me.

Wallace - Kuhl & Associates, Inc.

Kurt Balasek
Senior Hydrogeologist

KMB:sdm

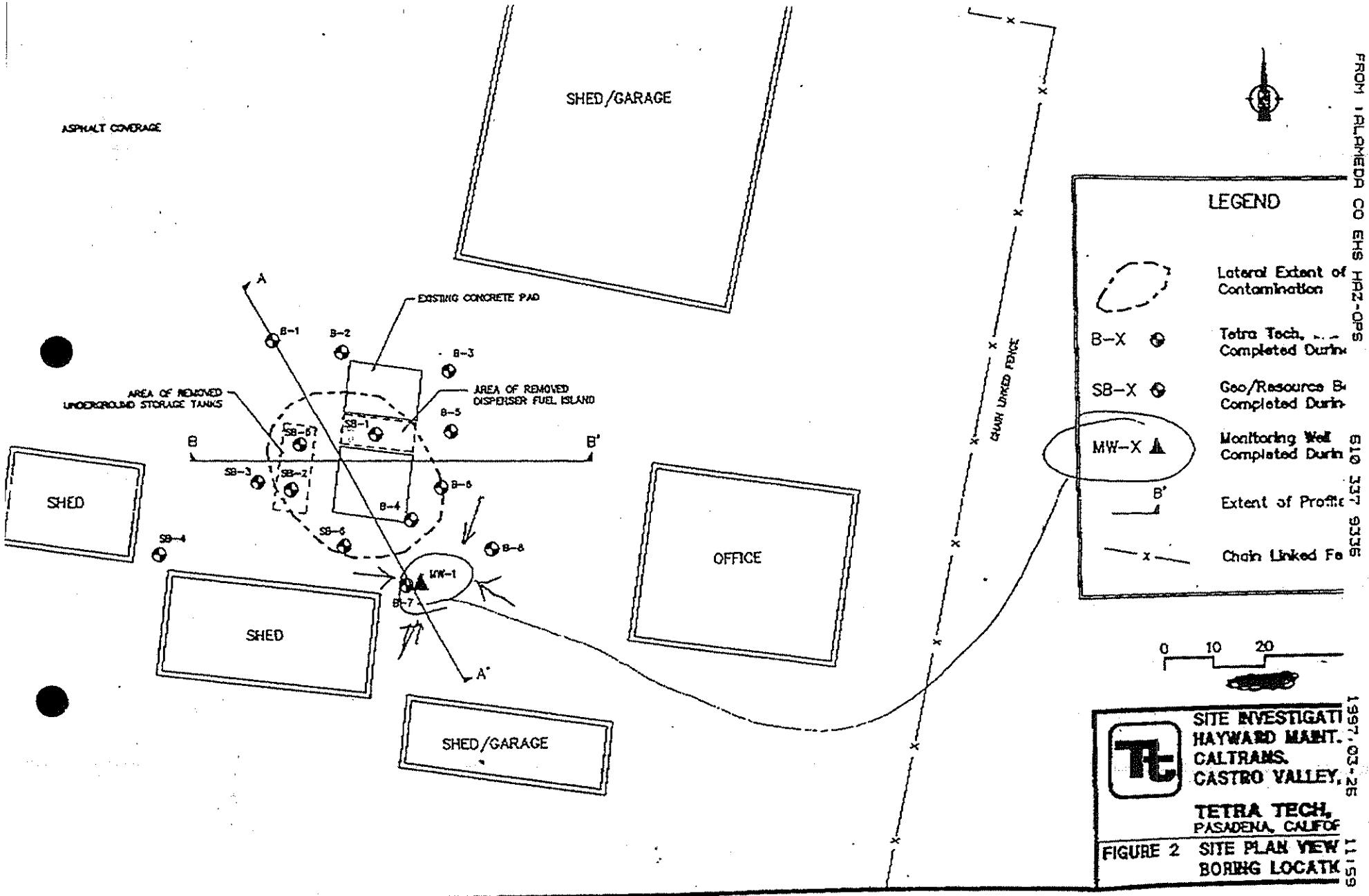
Copies to: Wyman Hong, Zone 7 Water Resources Management
Mike Golden, Division of the State Architect

K-3174-01.ltr

Geotechnical Engineering
Engineering Geology
Environmental Consulting
Remediation Services
Construction Inspection
Materials Testing

3050 Industrial Blvd.
West Sacramento
CA 95691
Fax 916.372.2565
916.372.1434

Recycled paper



FROM ALAMEDA CO EHS HAZ-OPS 510 337 9335 1997-03-25 11:59 #275 P.03/07

ALAMEDA COUNTY
HEALTH CARE SERVICES
AGENCY
DAVID J. KEARS, Agency Director

StId 3062

ENVIRONMENTAL HEALTH SERVICES
ENVIRONMENTAL PROTECTION (LOP)
1131 Harbor Bay Parkway, Suite 250
Alameda, CA 94502-6577
(510) 567-6700
FAX (510) 337-9335

June 25, 1997

Attn: Carlos Lopez
Department of Transportation
1120 "N" St., 3rd Floor
Sacramento Ca 95814

Dear Mr. Lopez:

Subject: Fuel Leak Site Case Closure - Caltrans, 21195 Center St., Castro Valley CA 94546

This letter transmits the enclosed underground storage tank (UST) case closure letter in accordance with Chapter 6.75 (Article 4, Section 225299.37[h]). The State Water Resources Control Board adopted this letter on February 20, 1997. As of March 1, 1997, Alameda County, Division of Environmental Health Local Oversight Program is required to use this case closure letter for all UST leak sites. We are also transmitting to you the enclosed case closure summary. These documents confirm the completion of the investigation and cleanup of the reported release(s) at the subject site.

Site Investigation and Cleanup Summary

Please be advised that the following conditions exist at the site:

- 54 parts per million (ppm) Total Petroleum Hydrocarbons (TPH) as gasoline, 3.74 ppm TPH as diesel, 0.58 ppm ethylbenzene, and 0.226 ppm xylene remain in soil in the vicinity of the former UST pit and dispenser area.

- 1.9 parts per billion (ppb) benzene, 3.1 ppb toluene, 1.3 ppb ethylbenzene, and 6.9 ppb xylenes were detected in March 1996 in groundwater.

If you have any questions, please contact this office at (510)567-6700.

Sincerely,

Amy Leech
Hazardous Materials Specialist

Enclosures:
1. Case Closure Letter
2. Case Closure Summary

c: Alameda County Planning Department (QIC #50506)
ALL-file

ALAMEDA COUNTY
HEALTH CARE SERVICES
AGENCY
DAVID J. KEARS, Agency Director

ENVIRONMENTAL HEALTH SERVICES
ENVIRONMENTAL PROTECTION (LOP)
1131 Harbor Bay Parkway, Suite 250
Alameda, CA 94502-6577
(510) 567-6700
FAX (510) 337-9335

June 25, 1997

Attn: Carlos Lopez
Department of Transportation
1120 "N" St., 3rd Floor
Sacramento CA 95814

RE: UNDERGROUND STORAGE TANK (UST) CASE
(1-1,000 gallon gasoline and 1-260 gallon diesel tank)
Caltrans located at 21195 Center St., Castro Valley CA 94596
SITE ID #3062

Dear Mr. Lopez:

This letter confirms the completion of a site investigation and remedial action for the underground storage tank(s) formerly located at the above-described location. Thank you for your cooperation throughout this investigation. Your willingness and promptness in responding to our inquiries concerning the former underground storage tank(s) are greatly appreciated.

Based on information in the above-referenced file and with the provision that the information provided to this agency was accurate and representative of site conditions, no further action related to the underground tank release is required.

This notice is issued pursuant to a regulation contained in Title 23, Section 2721(e) of the California Code of Regulations.

Please contact our office if you have any questions regarding this matter.

Sincerely,

Mee Ling Tung

Mee Ling Tung, Director

c: Kevin Graves, RWQCB
Dave Deaner, UST Cleanup Fund (encl.-Case Closure Summary)
ALL-File

96 0746
ENVIRONMENTAL PROTECTION
96 OCT 24 AM 8:12

CASE CLOSURE SUMMARY
Leaking Underground Fuel Storage Tank Program

I. AGENCY INFORMATION

Agency name: **Alameda County-HazMat**
Date:City/State/Zip: **Alameda, CA 94502**
Responsible staff person: **Amy Leech**
Date: **September 26, 1996**
Address: **1131 Harbor Bay Pkwy**
Phone: **(510) 567-6700**
Title: **Hazardous Materials Spec.**

II. CASE INFORMATION

Site facility name: **Caltrans**
Site facility address: **21195 Center St., Castro Valley, CA 94546**
RB LUSTIS Case No: **N/A**
Local Case No./LOP Case No.: **3062**
URF filing date: **02/28/89**
SWEEPS No: **N/A**

Responsible Parties:	Address:	Phone Numbers:
Attn: Carlos Lopez	1120 "N" St., 3rd Floor	
Dept. of Transportation	Sacramento CA 95814	

Tank No:	Size in gal.:	Contents:	Closed in-place or removed?:	Date:
1	1,000	gasoline	removed	01/18/89
2	260	diesel	"	"

III. RELEASE AND SITE CHARACTERIZATION INFORMATION

Cause and type of release: **Unknown**

Site characterization complete? **Yes**
Date approved by oversight agency: **09/18/96**

Monitoring Wells installed? **Yes** Number: **4**

Proper screened interval? **Yes**

Highest GW depth below ground surface: **25.78 ft** Lowest depth: **32.25 ft**

Flow direction: **Southwest**

Most sensitive current use: **Commercial**

Are drinking water wells affected? **No** Aquifer name: **N/A**

Is surface water affected? **No** Nearest affected SW name:**N/A**

Off-site beneficial use impacts (addresses/locations): **none**

Report(s) on file? **YES** Where is report(s) filed?
Alameda County, 1131 Harbor Bay Pkwy, Alameda, CA 94502

III. RELEASE AND SITE CHARACTERIZATION INFORMATION (cont'd)

Treatment and Disposal of Affected Material:

Material	Amount (include units)	Action (Treatment or Disposal w/destination)	Date
USTs	1,000-gal. 260-gal.	Unknown "	01/18/89
Soil	391 tons	Reed & Graham, Inc. 690 Sunol St., San Jose	09/22/92

Maximum Documented Contaminant Concentrations - - Before and After Cleanup

Contaminant	Soil (ppm)		Water (ppb)	
	Before[1]	After[3]	Before	After
TPH (Gasoline)	860	54	ND	ND
TPH (Diesel)	2,400[2]	3.74	ND	ND
Benzene	0.64	ND	ND	1.9
Toluene	0.70	ND	ND	3.1
Ethylbenzene	9.7	0.58	ND	1.3
Xylene	110	0.226	ND	6.9
HVOCs	NT	NT	ND	NT

ND=non-detect
NT=not tested

1 Soil sample collected from boring SB-5 located @ 6.0 ft. bgs within former gasoline UST pit in 01/90.
2 Soil sample collected from boring SB-1 located @ 31ft. bgs in the fuel dispensing area .
3 Confirmatory soil sample collected at excavation boundaries after overexcavation activities in 9/92.

Comments (Depth of Remediation, etc.): See "Additional Comments" section.

IV. CLOSURE

Does completed corrective action protect existing beneficial uses per the Regional Board Basin Plan?
Undetermined

Does completed corrective action protect potential beneficial uses per the Regional Board Basin Plan?
Undetermined

Does corrective action protect public health for current land use? **YES**
Site management requirements: **n/a**

Should corrective action be reviewed if land use changes? **YES**

Monitoring wells Decommissioned: **No, pending case closure review.**
Number Decommissioned: **0** Number Retained: **4 (MW-1, VW-1, VW-2, and VW-3)**

List enforcement actions taken: **n/a**
List enforcement actions rescinded: **n/a**

V. LOCAL AGENCY REPRESENTATIVE DATA

Name: Amy Leech
Signature:
Title: Hazardous Materials Specialist
Date: 10/10/96

Reviewed by
Name: Barney Chan
Signature:
Title: Hazardous Materials Specialist
Date: 10/10/96

Name: Thomas Peacock
Signature:
Title: Supervising, Hazardous Materials Spec.
Date: 10-9-96

VI. RWQCB NOTIFICATION

Date Submitted to RB:
RWQCB Staff Name: Kevin Graves, P.E.
Title: Assoc. Water Resources Control Engineer

RB Response: Approved
Signature:
Date: 10-18-96

VII. ADDITIONAL COMMENTS

On January 18, 1989, two USTs (one 1,000-gallon gasoline UST and one 260-gallon diesel UST) were reportedly removed from the Caltrans Hayward Maintenance Yard located at 21195 Center Street in Castro Valley, California. (See attachment 1 for site location.) Three soil samples were collected during tank removal activities; analytical results identified 1.7 ppm TPH-G, 2,100 ppm TPH-D, and non-detect for BTEX.

Subsequent to the UST removals and during investigations conducted in January 1990 and February 1991, 14 soil borings (SB1 - SB6 and B1 - B8) were emplaced in the vicinity of the former UST pit and dispenser area to assess the vertical and lateral extent of soil contamination. Soil contamination was determined to be laterally located within a forty foot radius from the fuel dispensing area and vertically to approximately 35 feet bgs. (See attachment 2 for boring locations and results.) In addition to the eight soil borings installed in 2/91, one groundwater monitoring well (MW-1) was installed near the southeastern extent of the contaminant plume. Boring and construction logs are not available for this well; however, groundwater was sampled and analyzed for TPH, BTEX, and HVOCs. All results were unremarkable.

Overexcavation of approximately 391 tons of contaminated soil was completed in the vicinity of the former USTs and dispensing area during September 1992. The excavation extended laterally approximately 30 ft. and vertically to approximately 35 ft. bgs. Confirmatory results of soil samples collected at the excavation perimeter identified 54 ppm TPH-G, 3.74 ppm TPH-D, and ND to trace concentrations of BTEX. (See attachment 3 for sample locations and results.)

Three additional monitoring wells (VW-1, VW-2, and VW-3) were installed on 09/28/92 to assess if groundwater at this site had been adversely impacted by petroleum hydrocarbons (PHs). (See attachment 4 for boring/well completion logs.) Soil samples were apparently not analyzed for PHs. Groundwater from VW-1 through VW-3 was monitored and sampled five times from 10/94 to 3/96 . Groundwater samples were non-detect for TPH-G, TPH-D, and BTEX during all five sampling events, except for low levels of BTEX detected during the last quarter of sampling in 03/96. (See attachment 5 for MW locations and historical results.)

No further investigations are recommended at this site since adequate soil removal was achieved and residual concentrations of petroleum hydrocarbons detected in soil and groundwater do not appear to be a significant risk to human health or the environment.

SIERRA

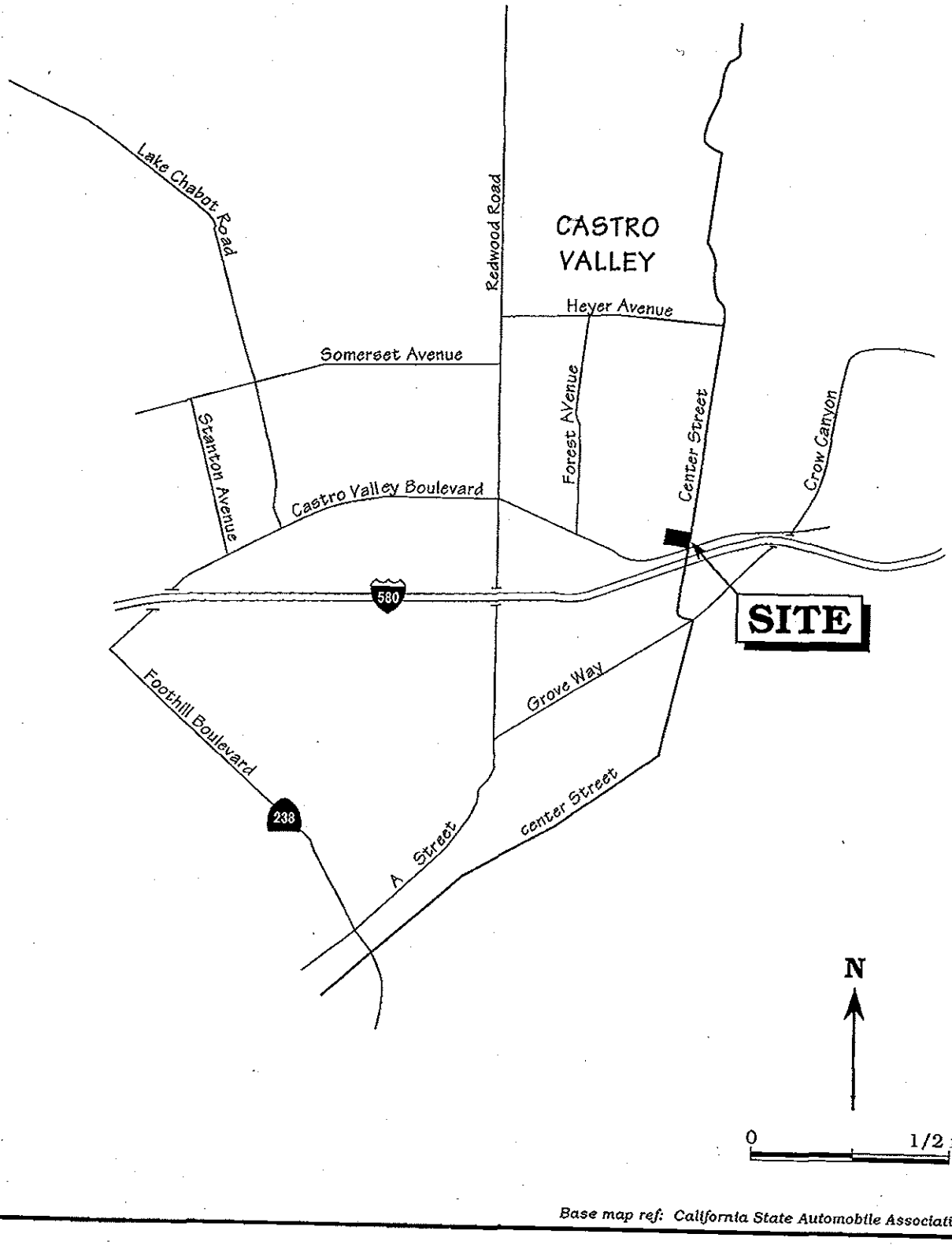
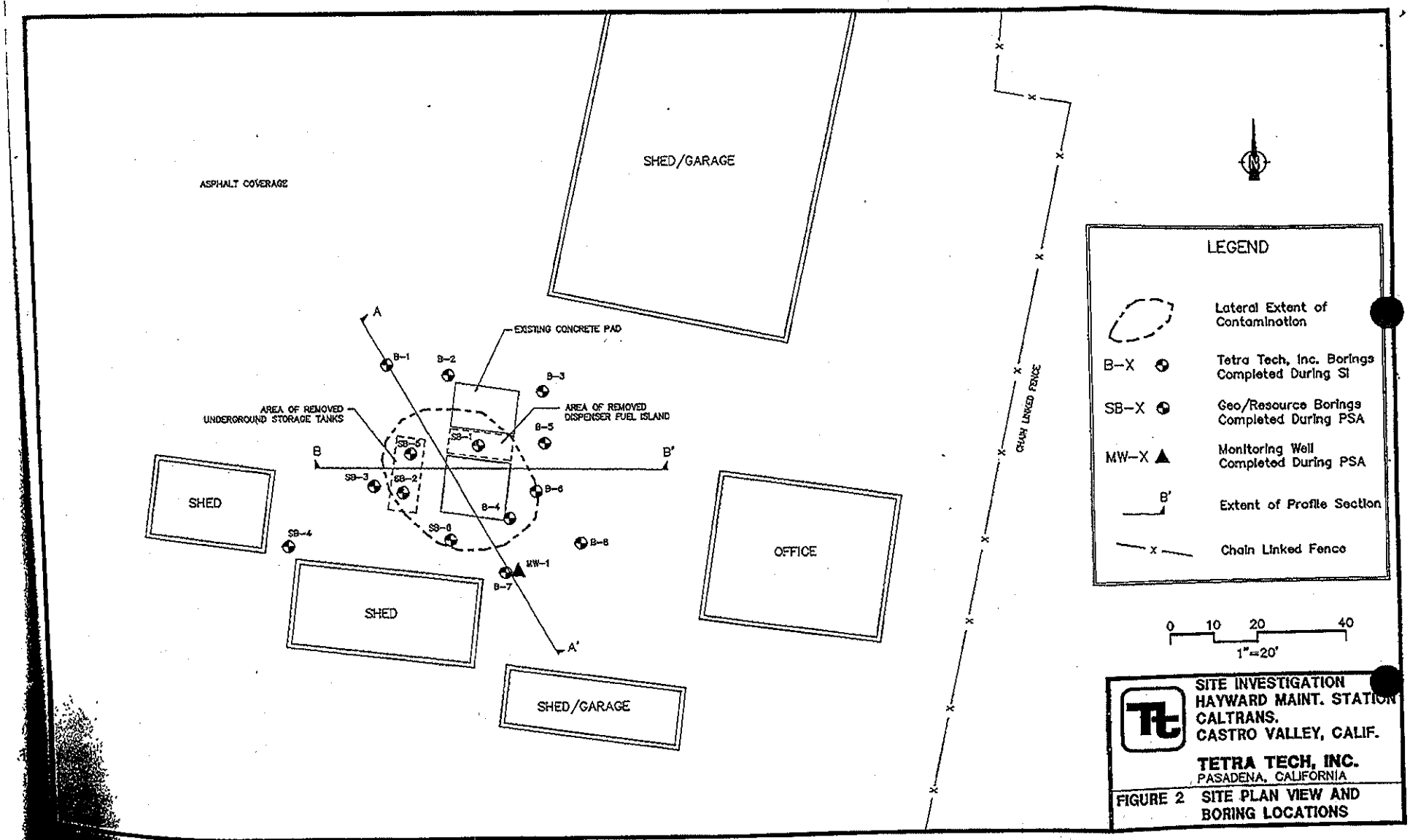


Figure 1. Site Location Map - Caltrans Maintenance Facility, 21175 Center Street, Castro Valley, California


ASPHALT COVERAGE
SHED/GARAGE
EXISTING CONCRETE PAD
AREA OF REMOVED UNDERGROUND STORAGE TANKS
AREA OF REMOVED DISPENSER FUEL ISLAND
A
A'
B
B'
B-1
B-2
B-3
B-4
B-5
B-6
B-7
B-8
SB-1
SB-2
SB-3
SB-4
SB-5
SB-6
MW-1
SHED
SHED
SHED/GARAGE
OFFICE
CHAIN LINKED FENCE
N
LEGEND
Lateral Extent of Contamination
B-X
Tetra Tech, Inc. Borings Completed During SI
SB-X
Geo/Resource Borings Completed During PSA
MW-X
Monitoring Well Completed During PSA
B'
Extent of Profile Section
Chain Linked Fence
0 10 20 40
1"=20'
SITE INVESTIGATION
HAYWARD MAINT. STATION
CALTRANS.
CASTRO VALLEY, CALIF.
TETRA TECH, INC.
PASADENA, CALIFORNIA
FIGURE 2 SITE PLAN VIEW AND BORING LOCATIONS

(2)

TABLE 1
SOIL SAMPLING RESULTS
HAYWARD MAINTENANCE STATION, CASTRO VALLEY, CALIFORNIA
CASTRO VALLEY, CALIFORNIA

Sample (Depth)	TPH as Gasoline (mg/kg)	TPH as Diesel (mg/kg)	Benzene (ug/kg)	Toluene (ug/kg)	Ethyl Benzene (ug/kg)	Total Xylenes (ug/kg)
SB-1 @ 4.0'	310	ND	210	360	5,100	8,100
SB-1 @ 8.0'	NT	260	NT	NT	NT	NT
SB-1 @ 11.5	3.7	ND	ND	ND	50	90
SB-1 @ 16.5'	NT	950	NT	NT	NT	NT
SB-1 @ 21.5'	790	ND	ND (100)	ND (100)	5,300	42,000
SB-1 @ 31.0'	NT	2,400	NT	NT	NT	NT
SB-2 @ 5.5'	ND (10)	1,300	ND	ND	40	150
SB-2 @ 10.5'	NT	ND	NT	NT	NT	NT
SB-2 @ 16.5'	ND	ND	ND	ND	ND	ND
SB-2 @ 26.0'	ND	ND	ND	ND	ND	ND
SB-2 @ 30.5'	NT	ND	NT	NT	NT	NT
SB-2 @ 36.5'	ND	ND	ND	ND	ND	ND
SB-3 @ 5.5'	ND	ND	ND	ND	ND	ND
SB-3 @ 11.5'	NT	ND	NT	NT	NT	NT
SB-3 @ 16.5'	ND	ND	ND	ND	ND	ND
SB-3 @ 21.5'	NT	ND	NT	NT	NT	NT
SB-3 @ 25.5'	ND	ND	ND	ND	ND	ND
SB-3 @ 36.2'	NT	ND	NT	NT	NT	NT
SB-4 @ 6.0'	ND	ND	ND	ND	ND	ND
SB-4 @ 11.0'	NT	ND	NT	NT	NT	NT
SB-4 @ 16.0'	ND	ND	ND	ND	ND	ND
SB-4 @ 21.0'	NT	ND	NT	NT	NT	NT
SB-4 @ 26.0'	ND	ND	ND	ND	ND	ND
SB-4 @ 36.0'	NT	ND	NT	NT	NT	NT
SB-5 @ 6.0'	860	400	640	700	9,700	110,000
SB-5 @ 11.0'	NT	ND	NT	NT	NT	NT
SB-5 @ 16.5'	15	ND	ND	20	150	360
SB-5 @ 21.5'	NT	100	NT	NT	NT	NT
SB-5 @ 26.5'	1.0	ND	ND	ND	ND	310
SB-5 @ 36.0'	NT	ND	NT	NT	NT	NT
SB-6 @ 6.5'	ND (2.0)	400	ND	ND	ND	ND
SB-6 @ 11.5'	NT	19	NT	NT	NT	NT
SB-6 @ 16.0'	ND	ND	ND	ND	ND	ND
SB-6 @ 21.5'	NT	ND	NT	NT	NT	NT
SB-6 @ 31.5'	ND	ND	ND	ND	ND	ND
Reporting Limit	(1.0)	(10)	(10)	(10)	(10)	(20)

ND = Not Detected at or above indicated Reporting Limit.
NT = Not Submitted to a Laboratory for Chemical Testing.

Note: SB-4, SB-5 and SB-6 are referred to as MW-1, MW-2 and MW-3, respectively in original laboratory data included in Appendix C.

244w : 1516-4.wk1

Table 6-1

SUMMARY OF LABORATORY RESULTS

Total Petroleum Hydrocarbons (8015/M)*

Depth	Borings B-1	B-2	B-3	B-4	B-5	B-6	B-7	B-8	MW-1
5	ND*	ND	ND	ND	ND	ND	ND	ND	N/A
10	ND	ND	ND	ND	ND	ND	ND	ND	N/A
15	ND	ND	ND	ND	ND	N/A	ND	ND	N/A
20	ND	ND	ND	ND	ND	N/A	ND	ND	N/A
25	ND	ND	ND	ND	ND	N/A	ND	ND	N/A
30	ND	ND	ND	ND	ND	N/A	ND	ND	N/A
35	ND	ND	N/A	ND	ND	N/A	ND	ND	N/A
40	N/A	ND	N/A	ND	N/A	N/A	ND	N/A	N/A
45	N/A	N/A	N/A	ND	N/A	N/A	N/A	N/A	N/A
50	N/A	N/A	N/A	ND	N/A	N/A	N/A	N/A	N/A

Volatile Aromatic Organics (8020)*

Depth	Borings B-1	B-2	B-3	B-4	B-5	B-6	B-7	B-8	MW-1
5	ND**	ND	ND	ND	ND	ND	ND	ND	N/A
10	ND	ND	ND	ND	ND	ND	ND	ND	N/A
15	ND	ND	ND	ND	ND	N/A	ND	ND	N/A
20	ND	ND	ND	ND	ND	N/A	ND	ND	N/A
25	ND	ND	ND	ND	ND	N/A	ND	ND	N/A
30	ND	ND	ND	ND	ND	N/A	ND	ND	N/A
35	ND	ND	N/A	ND	ND	N/A	ND	ND	N/A
40	N/A	ND	N/A	ND	N/A	N/A	ND	N/A	N/A
45	N/A	N/A	ND	Benzene-ND Toluene-5 Xylene-5 Ethylbenzene-10	N/A	N/A	N/A	N/A	N/A
50	N/A	N/A	N/A	Benzene-ND Toluene-4 Xylene-13 Ethylbenzene-5	N/A	N/A	N/A	N/A	N/A

*Detection Limit of <10 parts per million (ppm)
**Detection Limit of 1 part per billion (ppb)
ND - Not Detected Above Detection Limits
N/A - Not Applicable

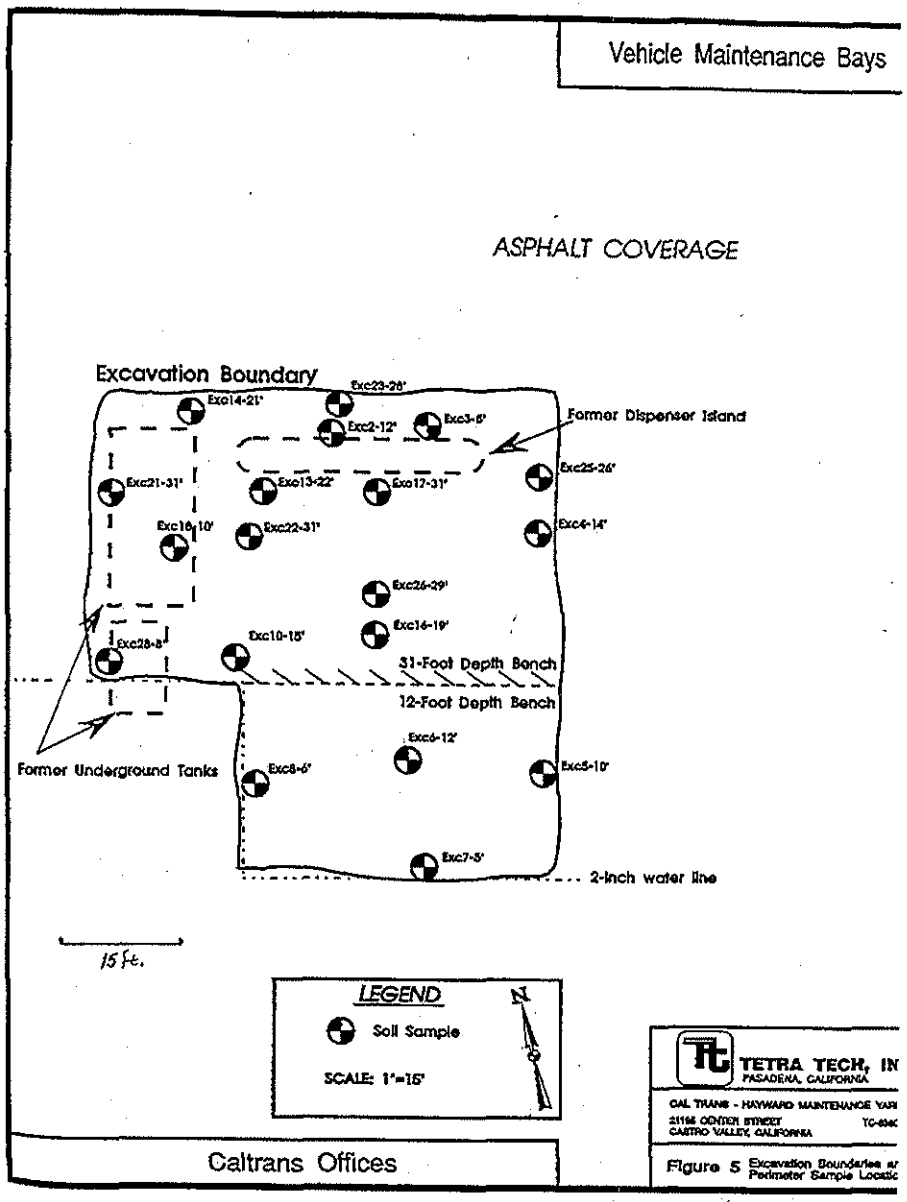
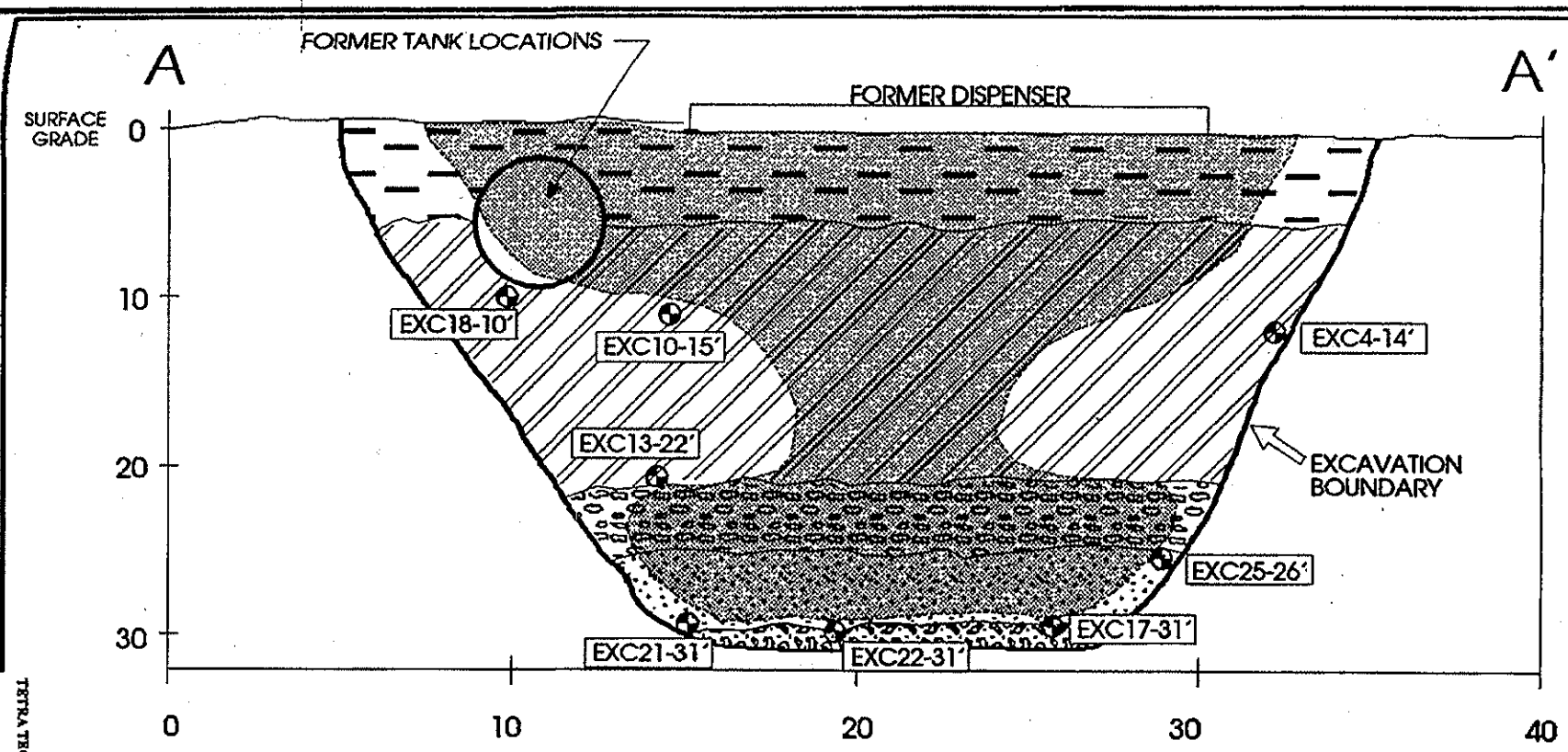


TABLE 6-1
LABORATORY RESULTS OF FINAL PERIMETER AND FLOOR SAMPLES

SAMPLE NUMBER	SAMPLE LOCATION AND DEPTH	TPH - gasoline (ppm)	TPH - diesel (ppm)	B/T/X/E (ppm)
EXC-2	North wall - 12'	ND	.55	ND/ND/.009/ND
EXC-3	North wall - 5'	ND	ND	ND/ND/ND/ND
EXC-4	Northeast corner - 14'	ND	ND	ND/ND/ND/ND
EXC-5	Southeast corner - 10'	ND	ND	ND/ND/ND/ND
EXC-6	Excavation Floor - 12'	ND	ND	ND/ND/ND/ND
EXC-7	Higher South wall - 5'	ND	ND	ND/ND/ND/ND
EXC-8	Southwest corner - 6'	ND	ND	ND/ND/ND/ND
EXC-10	Northwest corner - 15'	ND	ND	ND/ND/ND/ND
EXC-13	North wall - 22'	ND	ND	ND/ND/ND/.58
EXC-14	Northwest corner - 21'	ND	ND	ND/ND/ND/ND
EXC-15	West wall - 21'	ND	ND	ND/ND/ND/ND
EXC-16	Lower south wall - 19'	ND	ND	ND/ND/ND/ND
EXC-17	Floor - 31'	ND	ND	ND/ND/ND/ND
EXC-18	West wall - 10'	ND	3.74	ND/ND/.226/ND
EXC-21	West wall - 31'	ND	ND	ND/ND/ND/ND
EXC-22	Floor - 31'	ND	ND	ND/ND/ND/ND
EXC-23	North wall - 28'	ND	ND	ND/ND/ND/ND
EXC-25	East wall - 26'	ND	ND	ND/ND/ND/ND
EXC-26	Lower South wall - 29'	ND	ND	ND/ND/ND/ND
EXC-28	Southwest corner - 8'	54	2	ND/ND/ND/ND

Detection Limit of 0.5 ppm for gasoline and diesel fractions
Detection Limit of 0.005 ppm for BTXE compounds
ND - Not Detected

(3)



1" = 5'

SECTION FROM WEST TO EAST

HORIZONTAL EXAGGERATION 2 : 1

LEGEND

ESTIMATED BOUNDARY OF SOIL CONTAMINATION

APPROXIMATE DEPTH OF SOIL CLASSIFICATION CHANGE

EXCXX-XX' LOCATION OF SOIL SAMPLE COLLECTION POINTS

CALTRANS - HAYWARD
MAINTENANCE STATION
21195 CENTER STREET
CASTRO VALLEY, CALIFORNIA

TETRA TECH, INC.
PASADENA, CALIFORNIA

FIGURE 6 Cross-Section
Perimeter Sample Locations

TETRA TECH, INC.

TETRA TECH BORING LOG

BORING I.D. NO. VW-1

(4)

CLIENT OSA T.C. 8380-10 LOCATION Hayward Maint. Yard DATE 9/28/92

DRILL METHOD Hollow Stem Auger AUGER DIAMETER 10 inches FIELD GEOLOGIST Phil Skorge

DEPTH (feet)	BLOW COUNT	OVA (ppm)	SAMPLE	GRAPHIC COLUMN	USCS	GEOLOGIC DESCRIPTION	WELL DESIGN
					ML	ASPHALT.	
5						SILT WITH GRAVEL - VERY DARK GREY (2.5YN3), NON-PLASTIC FINES, 10% FINE GRAVEL, STIFF, MOIST.	
10							
15					GW	SANDY GRAVEL WITH CLAY - LIGHT YELLOWISH BROWN (10YR6/4), 10% LOW-PLASTICITY FINES, 40% SAND, DENSE, MOIST.	
20	10 12 16						
25	20 50 for 6"					@25': VERY DENSE.	
30	10 20 50 for 5"						
						SILTSTONE - DARK BROWN (7.5YR3/3), MOIST BEDROCK.	
35	15 12 28						
						TOTAL DEPTH = 36', CONVERTED BORING INTO VADOSE MONITORING WELL, NO GROUNDWATER OR ODORS ENCOUNTERED.	
40							

REVIEWING GEOLOGIST Don Indermill SIGNATURE Don Indermill REG. NO. 5102

TETRA TECH BORING LOG

BORING I.D. NO. VW-2

CLIENT OSA T.C. 8380-10 LOCATION Hayward Maint. Yard DATE 9/28/92

DRILL METHOD Hollow Stem Auger AUGER DIAMETER 10 inches FIELD GEOLOGIST Phil Skorge

DEPTH (feet)	BLOW COUNT	OVA (ppm)	SAMPLE	GRAPHIC COLUMN	USCS	GEOLOGIC DESCRIPTION	WELL DESIGN
0					ML	ASPHALT.	
5						SILT WITH GRAVEL - VERY DARK GREY (2.5YN3), NON-PLASTIC FINES, 10% FINE GRAVEL, STIFF, MOIST.	
10							
15					GW	SANDY GRAVEL WITH CLAY - LIGHT YELLOWISH BROWN (10YR6/4), 10% LOW-PLASTICITY FINES, 20% SAND, DENSE, MOIST.	
20	10 17 33						
25	7 25 35						
30	13 50 for 6"					@30': VERY DENSE.	
						SILTSTONE - DARK BROWN (7.5YR3/3), MOIST BEDROCK.	
35	50 for 6"					TOTAL DEPTH = 35', CONVERTED BORING INTO VADOSE MONITORING WELL, NO GROUNDWATER OR ODORS ENCOUNTERED.	
40							

REVIEWING GEOLOGIST Don Indermill SIGNATURE [signature] REG. NO. 5102

TETRA TECH BORING LOG

BORING I.D. NO. VW-3

CLIENT OSA T.C. 8380-10 LOCATION Hayward Maint. Yard DATE 9/28/92

DRILL METHOD Hollow Stem Auger AUGER DIAMETER 10 inches FIELD GEOLOGIST Phil Skorge

DEPTH (feet)	BLOW COUNT	OVA (ppm)	SAMPLE	GRAPHIC COLUMN	USCS	GEOLOGIC DESCRIPTION	WELL DESIGN
					ML	ASPHALT.	
5						SILT WITH GRAVEL - VERY DARK GREY (2.5YN3), NON-PLASTIC FINES, 10% FINE GRAVEL, STIFF, MOIST.	
10							
15					GW	SANDY GRAVEL WITH SILT - LIGHT YELLOWISH BROWN (10YR6/4), 10% NON-PLASTICITY FINES, 30% SAND, VERY DENSE, MOIST.	
20	25 30						
					SW	GRAVELLY SAND - VERY DARK GREYISH BROWN (10YR3/2), TRACE FINES, POORLY SORTED, FINE TO COARSE SAND, 30% FINE GRAVEL, VERY DENSE, MOIST TO DAMP.	
25	30 50						
						SILTSTONE - YELLOWISH BROWN (7.5YRN3), MOIST BEDROCK.	
30	20 50						
35	50 for 6"					TOTAL DEPTH = 35', CONVERTED BORING INTO VADOSE MONITORING WELL, NO GROUNDWATER OR ODORS ENCOUNTERED.	
40							

REVIEWING GEOLOGIST Don Indermill SIGNATURE Don Indermill REG. NO. 5102

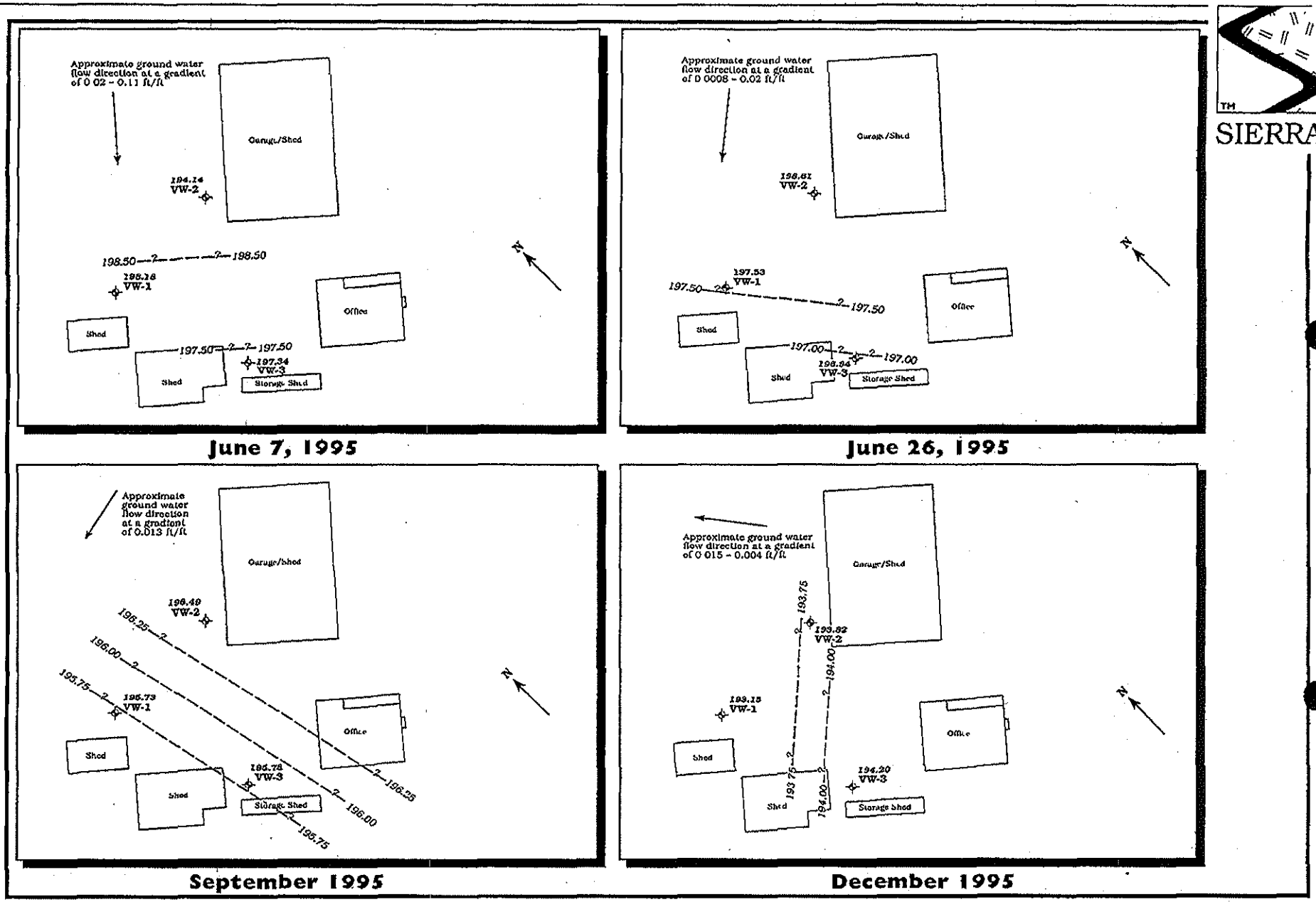


Figure 2. Ground Water Elevation Contour Maps - June 7, 1995, June 26, 1995, September 15, 1995 and December 18, 1995 - Caltrans Maintenance Facility, 21175 Center Street, Castro Valley, California

MR-904-06 [GW cont. maps] 6/17/96

Table 2. Analytic Results for Ground Water - Caltrans Maintenance Station, 21195 Center Street, Castro Valley, California

Well ID	Date Sampled	Analytic Method	TPPH(G)	TPH(D)	B	T	E	X
			<----------		ppb			---------->
VW-1	10/28/94	8015/8020	<50	<500	<0.5	<0.5	<0.5	<0.5
	6/7/95	8015/8020	<50	<50	<0.5	<0.5	<0.5	<0.5
	9/18/95	8015/8020	<50	<50	<0.5	<0.5	<0.5	<0.5
	12/18/95	8015/8020	<50	<50	<0.5	<0.5	<0.5	<0.5
	3/12/96	**8015/8020**	**<50**	**<50**	**1.9**	**3.1**	**1.3**	**6.9**
VW-2	10/28/94	8015/8020	<50	<500	<0.5	<0.5	<0.5	<0.5
	6/7/95	8015/8020	<50	---*	<0.5	<0.5	<0.5	<0.5
	6/28/95	8015/8020	---	1.4**	---	---	---	---
	9/18/95	8015/8020	<50	<50	<0.5	<0.5	<0.5	<0.5
	12/18/95	8015/8020	<50	<50	<0.5	<0.5	<0.5	<0.5
	3/12/96	**8015/8020**	**<50**	**<50**	**<0.5**	**0.9**	**<0.5**	**2.6**
VW-3	10/28/94	8015/8020	<50	<500	<0.5	<0.5	<0.5	<0.5
	6/7/95	8015/8020	<50	<50	<0.5	<0.5	<0.5	<0.5
	9/18/95	8015/8020	<50	<50	<0.5	<0.5	<0.5	<0.5
	12/18/95	8015/8020	<50	<50	<0.5	<0.5	<0.5	<0.5
	3/12/96	**8015/8020**	**<50**	**<50**	**0.53**	**1.3**	**0.76**	**4.0**
TB	6/7/95	8015/8020	<50	---	<0.5	<0.5	<0.5	<0.5
	9/18/95	8015/8020	<50	---	<0.5	<0.5	<0.5	<0.5
	12/18/95	8015/8020	<50	---	<0.5	<0.5	<0.5	<0.5
	3/12/96	**8015/8020**	**<50**	---	**<0.5**	**<0.5**	**<0.5**	**<0.5**
BB								
	9/18/95	8015/8020	<50	---	<0.5	<0.5	<0.5	<0.5
	12/18/95	8015/8020	<50	---	<0.5	<0.5	<0.5	<0.5
	3/12/96	**8015/8020**	---	---	---	---	---	---

TPPH(G) = Total Purgeable Petroleum Hydrocarbons as Gasoline
TPH(D) = Total Petroleum Hydrocarbons as Diesel
B = Benzene
T = Toluene
E = Ethylbenzene
X = Xylenes
ppb = Parts per billion
--- = Not analyzed/not applicable

ANALYTIC METHODS:

8015 = EPA Method 8015/5030 for TPPH(G)
8015 = Modified EPA Method 8015 for TPH(D)
8020 = EPA Method 8020 for BTEX

ANALYTIC LABORATORY:

Samples prior to September 19, 1995 were analyzed by Applied P & CH Laboratory of Chino, California.
Samples analyzed after September 19, 1995were analyzed by Chromalab Environmental Services of Pleasanton, California.

NOTE:

* Sample Bottle was broken upon receipt.
** Motor oil with a small amount of diesel.

SIERRA

Table 1. Water Level Data and Well Construction Details - Caltrans Maintenance Station, 21195 Center Street, Castro Valley, California

Well ID	Date Measured	DTW (ft)	TOC (ft)	GWE (msl)	Product Thickness* (ft)	Screen Interval	Sand Pack Interval	Bentonite/Grout Interval
						<----------feet below grade---------->		
VW-1	10/28/94	32.25		[1]	0			
	6/7/95	26.07			0	20.35[3]	22	3
	→ 6/28/95	26.72			0			
			224.25[2]					
	9/15/95	28.52		195.73				
	12/18/95	31.10		193.15	0			
	3/12/96	**26.81**		**197.44**	**0**			
VW-2	10/28/94	31.64			0			
	6/7/95	25.78			0	20.35	22	3
	6/28/95	26.31			0			
			224.92[1]					
	9/15/95	28.43		196.49				
	12/18/95	31.10		193.82	0			
	3/12/96	**26.44**		**198.48**	**0**			
VW-3	10/28/95	28.74			0			
	6/7/95	26.76			0	20.35	22	3
	6/28/95	27.16			0			
			224.10[1]					
	9/15/95	28.32		195.78				
	12/18/95	29.90		194.20	0			
	3/12/96	**27.45**		**196.65**	**0**			
UNKNOWN	2/28/95	27.20			0			
			224.57[1]					

EXPLANATION:

DTW = Depth to water
TOC = Top of casing elevation
GWE = Ground water elevation
msl = Measurements referenced relative to mean sea level
--- = Not available

NOTES (continued):

1 Monitoring wells were not survey yet.

2 All top of casing elevations were surveyed by Ron Miller, Professional Engineer #15816 on July 28, 1995.

3 All well completion data obtained from Tetra Tech, Inc., 1992, Hayward Maintence Station, Remediation of Soil Contamination and Dry Well Installation, 11-1-92.

APPENDIX M

TERMINOLOGY

TERMINOLOGY

The following provides definitions and descriptions of certain terms that may be used in this report. Italics indicate terms that are defined by ASTM Standard Practice E 1527-05. The Standard Practice should be referenced for further detail (such as the precise wording), related definitions or additional explanation regarding the meaning of terms.

recognized environmental condition(s) (REC) - the presence or likely presence of any *hazardous substances* or *petroleum products* on a *property* under conditions that indicate an existing release, a past release, or a *material threat* of a release of any *hazardous substances* or *petroleum products* into structures on the *property* or into the ground, ground water, or surface water of the *property*. The term includes *hazardous substances* or *petroleum products* even under conditions in compliance with laws. The term is not intended to include *de minimis* conditions.

.

de minimis conditions – are conditions that generally do 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* are not *recognized environmental conditions*.

historical recognized environmental condition(s) (HREC) - environmental condition which in the past would have been considered a *recognized environmental condition*, but which may or may not be considered a *recognized environmental condition* currently. The final decision rests with the *environmental professional* and will be influenced by the current impact of the *historical recognized environmental condition* on the *property*. If a past release of any *hazardous substances* or *petroleum products* has occurred in connection with the property and has been remediated, with such remediation accepted by the responsible regulatory agency (for example, as evidenced by the issuance of a no further action letter or equivalent), this condition shall be considered a *historical recognized environmental condition*.

material threat – a physically observable or *obvious* threat which is reasonably likely to lead to a release that, in the opinion of the *environmental professional*, is threatening and might result in impact to public health or the environment. An example might include an aboveground storage tank system that contains a *hazardous substance* and which shows evidence of damage such that it may cause or contribute to tank integrity failure with a release of contents to the environment.

threat to human health or the environment – a substantial risk of harm to public health or the environment resulting from the presence or likely presence of an existing release, a past release, or a *material threat* of a release of any *hazardous substances* or *petroleum products* into structures on the *property* or into the ground, ground water, or surface water of the *property*. An example might include a release of a *hazardous substance* in concentrations exceeding applicable governmental agency standards under conditions that could reasonably and foreseeably result in substantial exposure to humans or substantial damage to natural resources. The risk of that exposure or damage would represent a threat to human health or the environment.

generally would not be the subject of an enforcement action – the likelihood that an environmental condition would not be subject to enforcement action if brought to the attention of appropriate governmental agencies. If the circumstances suggest an enforcement action would be less likely than not, then the condition is considered to be generally not the likely the subject of an enforcement action.

Appendix C

Historic Resource Review

ALAMEDA COUNTY COMMUNITY DEVELOPMENT AGENCY

PLANNING DEPARTMENT

Chris Bazar
Agency Director

Albert Lopez
Planning Director

224
West Winton Ave
Room 111

Hayward
California
94544

phone
510.670.5400
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RECEIVED
APR 18 2016
CASTRO VALLEY
SANITARY DISTRICT

April 13, 2016

Wesley Lightfoot
Castro Valley Sanitary District
21040 Marshall Street
Castro Valley, CA 94546

RE: 21195 CENTER STREET, CASTRO VALLEY

Dear Mr. Lightfoot:

I have reviewed your demolition request made on behalf of the Alameda County Community Development Agency per the guidelines of the California Environmental Quality Act and have found that the structures located at 21195 Center Street are not "historical resources." Therefore, the proposed demolition would not cause a substantial adverse change to any historical resource, and no further analysis is required.

Sincerely,

Albert Lopez
Planning Director

ATTACHMENT

ALAMEDA COUNTY COMMUNITY DEVELOPMENT AGENCY
PLANNING DEPARTMENT

FROM: LIZ MCELLIGOTT, ASSISTANT PLANNING DIRECTOR
TO: ALBERT LOPEZ, PLANNING DIRECTOR
DATE: April 13, 2016
RE: DEMOLITION REQUEST FOR 21195 CENTER STREET, CASTRO VALLEY

Summary

The purpose of this report is to describe the findings of staff's analysis of the demolition request for a warehouse and house located at 21195 Center Street, Castro Valley, CA. Staff has conducted a review of the demolition request submitted for 21195 Center Street, (APN 084C-0650-001-03) in accordance with the California Environmental Quality Act (CEQA) and has found that demolition of the buildings located at 21195 Center Street would not cause a substantial adverse change in the significance of a historical resource as defined in Section 15064.5 of the CEQA Guidelines. It is my opinion that the demolition permit for 21195 Center Street shall require no further historical review.

Discussion

The subject property contains a warehouse and house for which a demolition permit is requested, and various outbuildings that are not included in this assessment. Until 2014, the California Department of Transportation (Caltrans) used the property as a maintenance yard. Property descriptions attached to the deed indicate that the bulk of the subject property, approximately one acre, was acquired by the State of California in 1925; and the remaining one-quarter acre portion was acquired in 1937. These two parcels were subsequently merged to form the existing 1.25 acre parcel. As a result of long-term ownership by the state, records that indicate the age of the two buildings are not available. A document search by the Hayward Area Historical Society produced an aerial photograph from 1939 that shows the two buildings in their current locations; however, the exact date of their construction could not be determined.

The one-story warehouse is approximately 4,100 square feet; and consists of wood frame construction with metal siding and roof. The windows have wood frames and the foundation is concrete. The building is industrial in appearance with few architectural details. The elevation facing the street is a solid blank wall with the exception of a door and two small windows toward the south end. The elevation facing away from the street consists primarily of a row of covered parking bays which make up approximately half of the square footage of the building.

The one-story, two-bedroom house is located to the south of the warehouse. While it appears that the original purpose of the building was to serve as a residence, Caltrans used it as a workshop and office space in conjunction with the maintenance yard for many years. The house is of wood frame construction, with horizontal wood siding, double-hung wood frame windows, and a conventional red brick chimney. The gable roof is covered with composite shingles and the foundation is concrete. The house has few architectural details and does not represent any distinct architectural style.

Description of the Area

The subject property is located on the northwest corner of the intersection of Center Street and Castro Valley Boulevard. To the north of the subject property, Center Street is developed with multi-family and single-family dwellings. Along Castro Valley Boulevard, to the east and west of the subject property, there is a mix of uses which includes multi-family housing, mobile home parks, and commercial uses. Interstate 580 is located across Castro Valley Boulevard, to the south of the property. The construction

dates for properties within a quarter mile radius of the subject location range from 1908 to 2010.

Analysis of Supporting Documents

Chain of Title

Staff reviewed the deed documents pertaining to the property. As they are not an official chain of title certified by a title insurance company, there is no assurance that this list is complete or accurate. However, staff performed a cursory name search on each of the listed owners that did not yield any results, although an analysis performed by qualified historian would be definitive.

Historic Resources Surveys

The property has not been identified on any prior survey conducted by the County. In addition, the Alameda County Parks, Recreation and Historical Commission (PRHC) has not identified any of the structures on the property as being potentially significant.

Key Findings

The structures in question are not historical resources based on the following criteria:

- They are not listed in, or determined to be eligible by the State Historical Resources Commission, for listing in the California Register of Historical Resources (Pub. Res. Code §5024.1, Title 14 CCR, Section 4850 et seq.).
- They are not included in a local register of historical resources, as defined in Section 5020.1(k) of the Public Resources Code or identified as significant in an historical resource survey meeting the requirements Section 5024.1(g) of the Public Resources Code.
- The structures did not meet the criteria for listing on the California Register of Historical Resources (Pub. Res. Code, § 5024.1, Title 14 CCR, Section 4852) because they are/do not:
    a) Associated with events that have made a significant contribution to the broad patterns of California's history and cultural heritage;
    b) Associated with the lives of persons important in our past;
    c) Embody 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
    d) Yield, or may be likely to yield, information important in prehistory or history.

Data Sources

In making these findings staff has relied upon the following documents and data:

- Title Information, Printed March 2016
- Draft Alameda County Register of Historic Resources, October 2007
- Photos of 21195 Center Street supplied by the applicant
- Site plan supplied by the applicant
- The Alameda County Assessor's Office: CD-Data, Database

Conclusion

The building's lack of association with significant persons or events does not appear to make this property eligible for preservation. Thus, staff does not recommend that this item be forwarded to the PRHC for further consideration. However, staff recommends that the County continue to monitor demolition activity of older structures as structures of this vintage, size and type, regardless of condition, will become even rarer as the demand for land increases.

Appendix D

Noise Data

Data Logger

3

Noise Measurement 1

A

FAST

40-100

63.9	2:55:40 PM
58.4	#REF!
43.6	72.35960239
36.5	
35.2	
97.9	
4/1/2009 1:01	
119.3	

70

								Average Leq
No.s		Time	dB	Divided by 10	Anti-log	Total noise energy	Divide by number of samples	10*Log
	1	10/11/2018 13:00	67.7	6.77	5888437	15495398467	17217109.41	72.3596
	2	10/11/2018 13:00	66.3	6.63	4265795			
	3	10/11/2018 13:00	66.6	6.66	4570882			
	4	10/11/2018 13:00	66.2	6.62	4168694			
	5	10/11/2018 13:00	66.2	6.62	4168694			
	6	10/11/2018 13:00	65.9	6.59	3890451			
	7	10/11/2018 13:00	65.7	6.57	3715352			
	8	10/11/2018 13:00	66.2	6.62	4168694			
	9	10/11/2018 13:00	66.5	6.65	4466836			
	10	10/11/2018 13:00	66.8	6.68	4786301			
	11	10/11/2018 13:00	67.2	6.72	5248075			
	12	10/11/2018 13:00	67.2	6.72	5248075			
	13	10/11/2018 13:00	66.3	6.63	4265795			
	14	10/11/2018 13:00	66.7	6.67	4677351			
	15	10/11/2018 13:00	66.5	6.65	4466836			
	16	10/11/2018 13:00	66.2	6.62	4168694			
	17	10/11/2018 13:00	67	6.7	5011872			
	18	10/11/2018 13:00	67.3	6.73	5370318			
	19	10/11/2018 13:00	67.8	6.78	6025596			

20	10/11/2018 13:00	67.2	6.72	5248075
21	10/11/2018 13:00	67.7	6.77	5888437
22	10/11/2018 13:00	68.9	6.89	7762471
23	10/11/2018 13:00	72.7	7.27	18620871
24	10/11/2018 13:00	78	7.8	63095734
25	10/11/2018 13:00	75.6	7.56	36307805
26	10/11/2018 13:00	72.4	7.24	17378008
27	10/11/2018 13:00	73	7.3	19952623
28	10/11/2018 13:00	72.9	7.29	19498446
29	10/11/2018 13:00	74	7.4	25118864
30	10/11/2018 13:00	74.9	7.49	30902954
31	10/11/2018 13:00	74.1	7.41	25703958
32	10/11/2018 13:00	72.5	7.25	17782794
33	10/11/2018 13:00	70.4	7.04	10964782
34	10/11/2018 13:00	69.4	6.94	8709636
35	10/11/2018 13:00	70.5	7.05	11220185
36	10/11/2018 13:00	70	7	10000000
37	10/11/2018 13:00	70.1	7.01	10232930
38	10/11/2018 13:00	69.1	6.91	8128305
39	10/11/2018 13:00	69.7	6.97	9332543
40	10/11/2018 13:00	70.4	7.04	10964782
41	10/11/2018 13:00	70.3	7.03	10715193
42	10/11/2018 13:00	69.2	6.92	8317638
43	10/11/2018 13:00	68.5	6.85	7079458
44	10/11/2018 13:00	67.6	6.76	5754399
45	10/11/2018 13:01	68.3	6.83	6760830
46	10/11/2018 13:01	67.7	6.77	5888437
47	10/11/2018 13:01	68	6.8	6309573
48	10/11/2018 13:01	67.5	6.75	5623413
49	10/11/2018 13:01	67.9	6.79	6165950
50	10/11/2018 13:01	67.6	6.76	5754399
51	10/11/2018 13:01	67	6.7	5011872
52	10/11/2018 13:01	67.3	6.73	5370318
53	10/11/2018 13:01	67.1	6.71	5128614
54	10/11/2018 13:01	66.7	6.67	4677351

55	10/11/2018 13:01	66	6.6	3981072
56	10/11/2018 13:01	65.9	6.59	3890451
57	10/11/2018 13:01	66.5	6.65	4466836
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59	10/11/2018 13:01	65.9	6.59	3890451
60	10/11/2018 13:01	66	6.6	3981072
61	10/11/2018 13:01	65.8	6.58	3801894
62	10/11/2018 13:01	66.2	6.62	4168694
63	10/11/2018 13:01	66.8	6.68	4786301
64	10/11/2018 13:01	67	6.7	5011872
65	10/11/2018 13:01	66	6.6	3981072
66	10/11/2018 13:01	65.6	6.56	3630781
67	10/11/2018 13:01	66.2	6.62	4168694
68	10/11/2018 13:01	66.7	6.67	4677351
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70	10/11/2018 13:01	66.9	6.69	4897788
71	10/11/2018 13:01	66.6	6.66	4570882
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73	10/11/2018 13:01	68.4	6.84	6918310
74	10/11/2018 13:01	67	6.7	5011872
75	10/11/2018 13:01	67.8	6.78	6025596
76	10/11/2018 13:01	65.8	6.58	3801894
77	10/11/2018 13:01	66.5	6.65	4466836
78	10/11/2018 13:01	66.9	6.69	4897788
79	10/11/2018 13:01	67.5	6.75	5623413
80	10/11/2018 13:01	65.8	6.58	3801894
81	10/11/2018 13:01	66.1	6.61	4073803
82	10/11/2018 13:01	67.4	6.74	5495409
83	10/11/2018 13:01	67.8	6.78	6025596
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85	10/11/2018 13:01	71.5	7.15	14125375
86	10/11/2018 13:01	73.9	7.39	24547089
87	10/11/2018 13:01	70.5	7.05	11220185
88	10/11/2018 13:01	68.2	6.82	6606934
89	10/11/2018 13:01	68	6.8	6309573

90	10/11/2018 13:01	67.5	6.75	5623413
91	10/11/2018 13:01	67.8	6.78	6025596
92	10/11/2018 13:01	68.7	6.87	7413102
93	10/11/2018 13:01	67.3	6.73	5370318
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95	10/11/2018 13:01	65.5	6.55	3548134
96	10/11/2018 13:01	66	6.6	3981072
97	10/11/2018 13:01	66	6.6	3981072
98	10/11/2018 13:01	65.4	6.54	3467369
99	10/11/2018 13:01	65.8	6.58	3801894
100	10/11/2018 13:01	66.2	6.62	4168694
101	10/11/2018 13:01	66	6.6	3981072
102	10/11/2018 13:01	67.2	6.72	5248075
103	10/11/2018 13:01	70	7	10000000
104	10/11/2018 13:01	73	7.3	19952623
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106	10/11/2018 13:02	76.2	7.62	41686938
107	10/11/2018 13:02	71.6	7.16	14454398
108	10/11/2018 13:02	73.6	7.36	22908677
109	10/11/2018 13:02	74.8	7.48	30199517
110	10/11/2018 13:02	75	7.5	31622777
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117	10/11/2018 13:02	76.4	7.64	43651583
118	10/11/2018 13:02	77	7.7	50118723
119	10/11/2018 13:02	76.7	7.67	46773514
120	10/11/2018 13:02	78.5	7.85	70794578
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123	10/11/2018 13:02	72	7.2	15848932
124	10/11/2018 13:02	75.2	7.52	33113112

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129	10/11/2018 13:02	76	7.6	39810717
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146	10/11/2018 13:02	68.8	6.88	7585776
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148	10/11/2018 13:02	71.9	7.19	15488166
149	10/11/2018 13:02	68.9	6.89	7762471
150	10/11/2018 13:02	67.6	6.76	5754399
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152	10/11/2018 13:02	67.7	6.77	5888437
153	10/11/2018 13:02	68.6	6.86	7244360
154	10/11/2018 13:02	70.6	7.06	11481536
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160	10/11/2018 13:02	68.1	6.81	6456542
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163	10/11/2018 13:02	67.3	6.73	5370318
164	10/11/2018 13:02	68.6	6.86	7244360
165	10/11/2018 13:03	66.8	6.68	4786301
166	10/11/2018 13:03	67.6	6.76	5754399
167	10/11/2018 13:03	67.6	6.76	5754399
168	10/11/2018 13:03	67.5	6.75	5623413
169	10/11/2018 13:03	67.7	6.77	5888437
170	10/11/2018 13:03	68.4	6.84	6918310
171	10/11/2018 13:03	68	6.8	6309573
172	10/11/2018 13:03	68	6.8	6309573
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175	10/11/2018 13:03	67.9	6.79	6165950
176	10/11/2018 13:03	68.2	6.82	6606934
177	10/11/2018 13:03	68.5	6.85	7079458
178	10/11/2018 13:03	68.6	6.86	7244360
179	10/11/2018 13:03	69.8	6.98	9549926
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183	10/11/2018 13:03	70.3	7.03	10715193
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194	10/11/2018 13:03	74	7.4	25118864

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203	10/11/2018 13:03	68.2	6.82	6606934
204	10/11/2018 13:03	68.4	6.84	6918310
205	10/11/2018 13:03	69.2	6.92	8317638
206	10/11/2018 13:03	69.7	6.97	9332543
207	10/11/2018 13:03	70.2	7.02	10471285
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212	10/11/2018 13:03	70.5	7.05	11220185
213	10/11/2018 13:03	71.7	7.17	14791084
214	10/11/2018 13:03	76.1	7.61	40738028
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219	10/11/2018 13:03	70.2	7.02	10471285
220	10/11/2018 13:03	70.7	7.07	11748976
221	10/11/2018 13:03	69.6	6.96	9120108
222	10/11/2018 13:03	68.9	6.89	7762471
223	10/11/2018 13:03	69.5	6.95	8912509
224	10/11/2018 13:03	69.8	6.98	9549926
225	10/11/2018 13:04	69.3	6.93	8511380
226	10/11/2018 13:04	68.8	6.88	7585776
227	10/11/2018 13:04	69	6.9	7943282
228	10/11/2018 13:04	69	6.9	7943282
229	10/11/2018 13:04	67.3	6.73	5370318

230	10/11/2018 13:04	67.4	6.74	5495409
231	10/11/2018 13:04	67.5	6.75	5623413
232	10/11/2018 13:04	68	6.8	6309573
233	10/11/2018 13:04	67.4	6.74	5495409
234	10/11/2018 13:04	67.2	6.72	5248075
235	10/11/2018 13:04	68.3	6.83	6760830
236	10/11/2018 13:04	68.6	6.86	7244360
237	10/11/2018 13:04	67.5	6.75	5623413
238	10/11/2018 13:04	68.3	6.83	6760830
239	10/11/2018 13:04	68.3	6.83	6760830
240	10/11/2018 13:04	69.2	6.92	8317638
241	10/11/2018 13:04	68.8	6.88	7585776
242	10/11/2018 13:04	69.3	6.93	8511380
243	10/11/2018 13:04	69.7	6.97	9332543
244	10/11/2018 13:04	69.4	6.94	8709636
245	10/11/2018 13:04	68.1	6.81	6456542
246	10/11/2018 13:04	68.2	6.82	6606934
247	10/11/2018 13:04	67.9	6.79	6165950
248	10/11/2018 13:04	66.8	6.68	4786301
249	10/11/2018 13:04	66.6	6.66	4570882
250	10/11/2018 13:04	67.3	6.73	5370318
251	10/11/2018 13:04	66.3	6.63	4265795
252	10/11/2018 13:04	66.3	6.63	4265795
253	10/11/2018 13:04	65.7	6.57	3715352
254	10/11/2018 13:04	65.7	6.57	3715352
255	10/11/2018 13:04	65.3	6.53	3388442
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259	10/11/2018 13:04	65.7	6.57	3715352
260	10/11/2018 13:04	65.8	6.58	3801894
261	10/11/2018 13:04	65.7	6.57	3715352
262	10/11/2018 13:04	65.2	6.52	3311311
263	10/11/2018 13:04	65.4	6.54	3467369
264	10/11/2018 13:04	66.1	6.61	4073803

265	10/11/2018 13:04	66	6.6	3981072
266	10/11/2018 13:04	66.1	6.61	4073803
267	10/11/2018 13:04	65.8	6.58	3801894
268	10/11/2018 13:04	67	6.7	5011872
269	10/11/2018 13:04	70.3	7.03	10715193
270	10/11/2018 13:04	69.3	6.93	8511380
271	10/11/2018 13:04	67.9	6.79	6165950
272	10/11/2018 13:04	69.4	6.94	8709636
273	10/11/2018 13:04	69.5	6.95	8912509
274	10/11/2018 13:04	68.9	6.89	7762471
275	10/11/2018 13:04	68.1	6.81	6456542
276	10/11/2018 13:04	68.7	6.87	7413102
277	10/11/2018 13:04	68.3	6.83	6760830
278	10/11/2018 13:04	68.5	6.85	7079458
279	10/11/2018 13:04	68.5	6.85	7079458
280	10/11/2018 13:04	68.9	6.89	7762471
281	10/11/2018 13:04	68.8	6.88	7585776
282	10/11/2018 13:04	71.1	7.11	12882496
283	10/11/2018 13:04	75.2	7.52	33113112
284	10/11/2018 13:04	73.4	7.34	21877616
285	10/11/2018 13:05	70.3	7.03	10715193
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287	10/11/2018 13:05	68.8	6.88	7585776
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289	10/11/2018 13:05	69.5	6.95	8912509
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291	10/11/2018 13:05	69.6	6.96	9120108
292	10/11/2018 13:05	70.9	7.09	12302688
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294	10/11/2018 13:05	71.1	7.11	12882496
295	10/11/2018 13:05	69.2	6.92	8317638
296	10/11/2018 13:05	68.9	6.89	7762471
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298	10/11/2018 13:05	69.9	6.99	9772372
299	10/11/2018 13:05	69.6	6.96	9120108

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303	10/11/2018 13:05	69.5	6.95	8912509
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307	10/11/2018 13:05	73.9	7.39	24547089
308	10/11/2018 13:05	71.8	7.18	15135612
309	10/11/2018 13:05	70.8	7.08	12022644
310	10/11/2018 13:05	70.4	7.04	10964782
311	10/11/2018 13:05	69.1	6.91	8128305
312	10/11/2018 13:05	69.3	6.93	8511380
313	10/11/2018 13:05	69.5	6.95	8912509
314	10/11/2018 13:05	70.7	7.07	11748976
315	10/11/2018 13:05	71.1	7.11	12882496
316	10/11/2018 13:05	70.5	7.05	11220185
317	10/11/2018 13:05	70.9	7.09	12302688
318	10/11/2018 13:05	70.1	7.01	10232930
319	10/11/2018 13:05	70.1	7.01	10232930
320	10/11/2018 13:05	70.1	7.01	10232930
321	10/11/2018 13:05	68.8	6.88	7585776
322	10/11/2018 13:05	69.5	6.95	8912509
323	10/11/2018 13:05	68.6	6.86	7244360
324	10/11/2018 13:05	69.7	6.97	9332543
325	10/11/2018 13:05	68	6.8	6309573
326	10/11/2018 13:05	68.4	6.84	6918310
327	10/11/2018 13:05	68.6	6.86	7244360
328	10/11/2018 13:05	68.5	6.85	7079458
329	10/11/2018 13:05	67.3	6.73	5370318
330	10/11/2018 13:05	67.5	6.75	5623413
331	10/11/2018 13:05	67.8	6.78	6025596
332	10/11/2018 13:05	67.9	6.79	6165950
333	10/11/2018 13:05	68.5	6.85	7079458
334	10/11/2018 13:05	70.6	7.06	11481536

335	10/11/2018 13:05	69.7	6.97	9332543
336	10/11/2018 13:05	69	6.9	7943282
337	10/11/2018 13:05	70.2	7.02	10471285
338	10/11/2018 13:05	69.9	6.99	9772372
339	10/11/2018 13:05	69	6.9	7943282
340	10/11/2018 13:05	69.1	6.91	8128305
341	10/11/2018 13:05	67.6	6.76	5754399
342	10/11/2018 13:05	67.7	6.77	5888437
343	10/11/2018 13:05	66.2	6.62	4168694
344	10/11/2018 13:05	66.3	6.63	4265795
345	10/11/2018 13:06	66.6	6.66	4570882
346	10/11/2018 13:06	67.4	6.74	5495409
347	10/11/2018 13:06	69.3	6.93	8511380
348	10/11/2018 13:06	73.5	7.35	22387211
349	10/11/2018 13:06	70.6	7.06	11481536
350	10/11/2018 13:06	68.6	6.86	7244360
351	10/11/2018 13:06	68.1	6.81	6456542
352	10/11/2018 13:06	73.6	7.36	22908677
353	10/11/2018 13:06	72.2	7.22	16595869
354	10/11/2018 13:06	69.6	6.96	9120108
355	10/11/2018 13:06	68.2	6.82	6606934
356	10/11/2018 13:06	68.1	6.81	6456542
357	10/11/2018 13:06	66.5	6.65	4466836
358	10/11/2018 13:06	66.7	6.67	4677351
359	10/11/2018 13:06	66.5	6.65	4466836
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366	10/11/2018 13:06	75.8	7.58	38018940
367	10/11/2018 13:06	73	7.3	19952623
368	10/11/2018 13:06	74.6	7.46	28840315
369	10/11/2018 13:06	76.9	7.69	48977882

370	10/11/2018 13:06	76.2	7.62	41686938
371	10/11/2018 13:06	76.4	7.64	43651583
372	10/11/2018 13:06	77.4	7.74	54954087
373	10/11/2018 13:06	74.7	7.47	29512092
374	10/11/2018 13:06	73.1	7.31	20417379
375	10/11/2018 13:06	72.9	7.29	19498446
376	10/11/2018 13:06	75.1	7.51	32359366
377	10/11/2018 13:06	72.9	7.29	19498446
378	10/11/2018 13:06	74.2	7.42	26302680
379	10/11/2018 13:06	74.3	7.43	26915348
380	10/11/2018 13:06	75.7	7.57	37153523
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383	10/11/2018 13:06	75.5	7.55	35481339
384	10/11/2018 13:06	70.7	7.07	11748976
385	10/11/2018 13:06	69.6	6.96	9120108
386	10/11/2018 13:06	73	7.3	19952623
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389	10/11/2018 13:06	69.8	6.98	9549926
390	10/11/2018 13:06	69.6	6.96	9120108
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392	10/11/2018 13:06	71.3	7.13	13489629
393	10/11/2018 13:06	71.3	7.13	13489629
394	10/11/2018 13:06	69.7	6.97	9332543
395	10/11/2018 13:06	69.4	6.94	8709636
396	10/11/2018 13:06	69	6.9	7943282
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402	10/11/2018 13:06	78.5	7.85	70794578
403	10/11/2018 13:06	80.6	8.06	1.15E+08
404	10/11/2018 13:06	90.9	9.09	1.23E+09

405	10/11/2018 13:07	92.3	9.23	1.7E+09
406	10/11/2018 13:07	88.1	8.81	6.46E+08
407	10/11/2018 13:07	81.7	8.17	1.48E+08
408	10/11/2018 13:07	80.3	8.03	1.07E+08
409	10/11/2018 13:07	74.9	7.49	30902954
410	10/11/2018 13:07	71.2	7.12	13182567
411	10/11/2018 13:07	71.1	7.11	12882496
412	10/11/2018 13:07	71.9	7.19	15488166
413	10/11/2018 13:07	75.5	7.55	35481339
414	10/11/2018 13:07	79.7	7.97	93325430
415	10/11/2018 13:07	82.1	8.21	1.62E+08
416	10/11/2018 13:07	76.8	7.68	47863009
417	10/11/2018 13:07	73.4	7.34	21877616
418	10/11/2018 13:07	71.6	7.16	14454398
419	10/11/2018 13:07	71.6	7.16	14454398
420	10/11/2018 13:07	75.4	7.54	34673685
421	10/11/2018 13:07	81.5	8.15	1.41E+08
422	10/11/2018 13:07	79.6	7.96	91201084
423	10/11/2018 13:07	80.3	8.03	1.07E+08
424	10/11/2018 13:07	78	7.8	63095734
425	10/11/2018 13:07	79.9	7.99	97723722
426	10/11/2018 13:07	77.1	7.71	51286138
427	10/11/2018 13:07	79.8	7.98	95499259
428	10/11/2018 13:07	74	7.4	25118864
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435	10/11/2018 13:07	68.7	6.87	7413102
436	10/11/2018 13:07	68.7	6.87	7413102
437	10/11/2018 13:07	69.9	6.99	9772372
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443	10/11/2018 13:07	69.6	6.96	9120108
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445	10/11/2018 13:07	68.4	6.84	6918310
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447	10/11/2018 13:07	67.8	6.78	6025596
448	10/11/2018 13:07	68.8	6.88	7585776
449	10/11/2018 13:07	67.9	6.79	6165950
450	10/11/2018 13:07	68.1	6.81	6456542
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456	10/11/2018 13:07	70.9	7.09	12302688
457	10/11/2018 13:07	71.6	7.16	14454398
458	10/11/2018 13:07	71.8	7.18	15135612
459	10/11/2018 13:07	69.9	6.99	9772372
460	10/11/2018 13:07	69.5	6.95	8912509
461	10/11/2018 13:07	69.2	6.92	8317638
462	10/11/2018 13:07	68.9	6.89	7762471
463	10/11/2018 13:07	69.2	6.92	8317638
464	10/11/2018 13:07	69.6	6.96	9120108
465	10/11/2018 13:08	68.5	6.85	7079458
466	10/11/2018 13:08	68.6	6.86	7244360
467	10/11/2018 13:08	67.6	6.76	5754399
468	10/11/2018 13:08	66.9	6.69	4897788
469	10/11/2018 13:08	66.4	6.64	4365158
470	10/11/2018 13:08	68.7	6.87	7413102
471	10/11/2018 13:08	68.8	6.88	7585776
472	10/11/2018 13:08	68.6	6.86	7244360
473	10/11/2018 13:08	68	6.8	6309573
474	10/11/2018 13:08	67.2	6.72	5248075

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476	10/11/2018 13:08	66.3	6.63	4265795
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478	10/11/2018 13:08	66.8	6.68	4786301
479	10/11/2018 13:08	69.2	6.92	8317638
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481	10/11/2018 13:08	68.3	6.83	6760830
482	10/11/2018 13:08	66.1	6.61	4073803
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484	10/11/2018 13:08	65	6.5	3162278
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486	10/11/2018 13:08	64.5	6.45	2818383
487	10/11/2018 13:08	64.7	6.47	2951209
488	10/11/2018 13:08	63.9	6.39	2454709
489	10/11/2018 13:08	64.5	6.45	2818383
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494	10/11/2018 13:08	67.1	6.71	5128614
495	10/11/2018 13:08	67.3	6.73	5370318
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497	10/11/2018 13:08	73.1	7.31	20417379
498	10/11/2018 13:08	70.5	7.05	11220185
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507	10/11/2018 13:08	68.2	6.82	6606934
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515	10/11/2018 13:08	65.2	6.52	3311311
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517	10/11/2018 13:08	65.6	6.56	3630781
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523	10/11/2018 13:08	65.1	6.51	3235937
524	10/11/2018 13:08	68.1	6.81	6456542
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527	10/11/2018 13:09	72.6	7.26	18197009
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535	10/11/2018 13:09	72.1	7.21	16218101
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537	10/11/2018 13:09	71.1	7.11	12882496
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542	10/11/2018 13:09	66.1	6.61	4073803
543	10/11/2018 13:09	67.2	6.72	5248075
544	10/11/2018 13:09	68.9	6.89	7762471

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548	10/11/2018 13:09	69.7	6.97	9332543
549	10/11/2018 13:09	71.7	7.17	14791084
550	10/11/2018 13:09	73.4	7.34	21877616
551	10/11/2018 13:09	72.7	7.27	18620871
552	10/11/2018 13:09	69.4	6.94	8709636
553	10/11/2018 13:09	67.8	6.78	6025596
554	10/11/2018 13:09	67.6	6.76	5754399
555	10/11/2018 13:09	67.4	6.74	5495409
556	10/11/2018 13:09	67	6.7	5011872
557	10/11/2018 13:09	67.2	6.72	5248075
558	10/11/2018 13:09	67.5	6.75	5623413
559	10/11/2018 13:09	67.3	6.73	5370318
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561	10/11/2018 13:09	72.5	7.25	17782794
562	10/11/2018 13:09	75	7.5	31622777
563	10/11/2018 13:09	74	7.4	25118864
564	10/11/2018 13:09	71.4	7.14	13803843
565	10/11/2018 13:09	66.7	6.67	4677351
566	10/11/2018 13:09	64.3	6.43	2691535
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568	10/11/2018 13:09	65.7	6.57	3715352
569	10/11/2018 13:09	67.6	6.76	5754399
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576	10/11/2018 13:09	68.8	6.88	7585776
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578	10/11/2018 13:09	65.9	6.59	3890451
579	10/11/2018 13:09	67.1	6.71	5128614

580	10/11/2018 13:09	66.6	6.66	4570882
581	10/11/2018 13:09	65.9	6.59	3890451
582	10/11/2018 13:09	66.3	6.63	4265795
583	10/11/2018 13:09	66.8	6.68	4786301
584	10/11/2018 13:09	66.1	6.61	4073803
585	10/11/2018 13:10	66.2	6.62	4168694
586	10/11/2018 13:10	66.6	6.66	4570882
587	10/11/2018 13:10	67.2	6.72	5248075
588	10/11/2018 13:10	69.3	6.93	8511380
589	10/11/2018 13:10	74.9	7.49	30902954
590	10/11/2018 13:10	72.7	7.27	18620871
591	10/11/2018 13:10	73.5	7.35	22387211
592	10/11/2018 13:10	71.8	7.18	15135612
593	10/11/2018 13:10	69.4	6.94	8709636
594	10/11/2018 13:10	68.6	6.86	7244360
595	10/11/2018 13:10	68.6	6.86	7244360
596	10/11/2018 13:10	68.7	6.87	7413102
597	10/11/2018 13:10	68.9	6.89	7762471
598	10/11/2018 13:10	68.3	6.83	6760830
599	10/11/2018 13:10	69.9	6.99	9772372
600	10/11/2018 13:10	71.5	7.15	14125375
601	10/11/2018 13:10	68.9	6.89	7762471
602	10/11/2018 13:10	67.5	6.75	5623413
603	10/11/2018 13:10	66.8	6.68	4786301
604	10/11/2018 13:10	66.4	6.64	4365158
605	10/11/2018 13:10	68.8	6.88	7585776
606	10/11/2018 13:10	71.3	7.13	13489629
607	10/11/2018 13:10	74.6	7.46	28840315
608	10/11/2018 13:10	70.5	7.05	11220185
609	10/11/2018 13:10	69.2	6.92	8317638
610	10/11/2018 13:10	69.5	6.95	8912509
611	10/11/2018 13:10	69	6.9	7943282
612	10/11/2018 13:10	69.3	6.93	8511380
613	10/11/2018 13:10	70.4	7.04	10964782
614	10/11/2018 13:10	70.9	7.09	12302688

615	10/11/2018 13:10	69.1	6.91	8128305
616	10/11/2018 13:10	68.3	6.83	6760830
617	10/11/2018 13:10	68.1	6.81	6456542
618	10/11/2018 13:10	72.2	7.22	16595869
619	10/11/2018 13:10	73.1	7.31	20417379
620	10/11/2018 13:10	70.7	7.07	11748976
621	10/11/2018 13:10	71	7.1	12589254
622	10/11/2018 13:10	75.2	7.52	33113112
623	10/11/2018 13:10	75.2	7.52	33113112
624	10/11/2018 13:10	75.6	7.56	36307805
625	10/11/2018 13:10	75.3	7.53	33884416
626	10/11/2018 13:10	74.8	7.48	30199517
627	10/11/2018 13:10	76.1	7.61	40738028
628	10/11/2018 13:10	76.6	7.66	45708819
629	10/11/2018 13:10	74.4	7.44	27542287
630	10/11/2018 13:10	77.8	7.78	60255959
631	10/11/2018 13:10	73.3	7.33	21379621
632	10/11/2018 13:10	73.1	7.31	20417379
633	10/11/2018 13:10	71.5	7.15	14125375
634	10/11/2018 13:10	71.7	7.17	14791084
635	10/11/2018 13:10	78.4	7.84	69183097
636	10/11/2018 13:10	76.8	7.68	47863009
637	10/11/2018 13:10	70.3	7.03	10715193
638	10/11/2018 13:10	69.2	6.92	8317638
639	10/11/2018 13:10	68.7	6.87	7413102
640	10/11/2018 13:10	69.4	6.94	8709636
641	10/11/2018 13:10	73.9	7.39	24547089
642	10/11/2018 13:10	72.7	7.27	18620871
643	10/11/2018 13:10	69.3	6.93	8511380
644	10/11/2018 13:10	68.8	6.88	7585776
645	10/11/2018 13:11	67.9	6.79	6165950
646	10/11/2018 13:11	66.8	6.68	4786301
647	10/11/2018 13:11	66	6.6	3981072
648	10/11/2018 13:11	64.9	6.49	3090295
649	10/11/2018 13:11	66.3	6.63	4265795

650	10/11/2018 13:11	70.1	7.01	10232930
651	10/11/2018 13:11	74.8	7.48	30199517
652	10/11/2018 13:11	79.4	7.94	87096359
653	10/11/2018 13:11	74.1	7.41	25703958
654	10/11/2018 13:11	70.3	7.03	10715193
655	10/11/2018 13:11	68.3	6.83	6760830
656	10/11/2018 13:11	68.2	6.82	6606934
657	10/11/2018 13:11	68.9	6.89	7762471
658	10/11/2018 13:11	71.1	7.11	12882496
659	10/11/2018 13:11	71.1	7.11	12882496
660	10/11/2018 13:11	67.9	6.79	6165950
661	10/11/2018 13:11	68	6.8	6309573
662	10/11/2018 13:11	68.3	6.83	6760830
663	10/11/2018 13:11	69.7	6.97	9332543
664	10/11/2018 13:11	67.5	6.75	5623413
665	10/11/2018 13:11	68.7	6.87	7413102
666	10/11/2018 13:11	71.2	7.12	13182567
667	10/11/2018 13:11	68.1	6.81	6456542
668	10/11/2018 13:11	68.3	6.83	6760830
669	10/11/2018 13:11	68.4	6.84	6918310
670	10/11/2018 13:11	68.1	6.81	6456542
671	10/11/2018 13:11	68.6	6.86	7244360
672	10/11/2018 13:11	68.3	6.83	6760830
673	10/11/2018 13:11	68.3	6.83	6760830
674	10/11/2018 13:11	68.2	6.82	6606934
675	10/11/2018 13:11	68.5	6.85	7079458
676	10/11/2018 13:11	68.2	6.82	6606934
677	10/11/2018 13:11	67.7	6.77	5888437
678	10/11/2018 13:11	66.5	6.65	4466836
679	10/11/2018 13:11	66.7	6.67	4677351
680	10/11/2018 13:11	66.8	6.68	4786301
681	10/11/2018 13:11	65.8	6.58	3801894
682	10/11/2018 13:11	66.4	6.64	4365158
683	10/11/2018 13:11	66.2	6.62	4168694
684	10/11/2018 13:11	66.3	6.63	4265795

685	10/11/2018 13:11	67.1	6.71	5128614
686	10/11/2018 13:11	66.6	6.66	4570882
687	10/11/2018 13:11	67.1	6.71	5128614
688	10/11/2018 13:11	65.8	6.58	3801894
689	10/11/2018 13:11	65.8	6.58	3801894
690	10/11/2018 13:11	66.3	6.63	4265795
691	10/11/2018 13:11	66.6	6.66	4570882
692	10/11/2018 13:11	69.8	6.98	9549926
693	10/11/2018 13:11	69.8	6.98	9549926
694	10/11/2018 13:11	69.5	6.95	8912509
695	10/11/2018 13:11	68.2	6.82	6606934
696	10/11/2018 13:11	67.6	6.76	5754399
697	10/11/2018 13:11	67.3	6.73	5370318
698	10/11/2018 13:11	66.6	6.66	4570882
699	10/11/2018 13:11	66.2	6.62	4168694
700	10/11/2018 13:11	66.1	6.61	4073803
701	10/11/2018 13:11	65.5	6.55	3548134
702	10/11/2018 13:11	65.2	6.52	3311311
703	10/11/2018 13:11	66.5	6.65	4466836
704	10/11/2018 13:11	65.9	6.59	3890451
705	10/11/2018 13:12	65.7	6.57	3715352
706	10/11/2018 13:12	65.1	6.51	3235937
707	10/11/2018 13:12	66	6.6	3981072
708	10/11/2018 13:12	66.4	6.64	4365158
709	10/11/2018 13:12	66.4	6.64	4365158
710	10/11/2018 13:12	67.5	6.75	5623413
711	10/11/2018 13:12	69.8	6.98	9549926
712	10/11/2018 13:12	73.2	7.32	20892961
713	10/11/2018 13:12	75.6	7.56	36307805
714	10/11/2018 13:12	75	7.5	31622777
715	10/11/2018 13:12	75.9	7.59	38904514
716	10/11/2018 13:12	76.4	7.64	43651583
717	10/11/2018 13:12	78.6	7.86	72443596
718	10/11/2018 13:12	74.8	7.48	30199517
719	10/11/2018 13:12	74.7	7.47	29512092

720	10/11/2018 13:12	72.3	7.23	16982437
721	10/11/2018 13:12	71.2	7.12	13182567
722	10/11/2018 13:12	71.1	7.11	12882496
723	10/11/2018 13:12	70.1	7.01	10232930
724	10/11/2018 13:12	69.7	6.97	9332543
725	10/11/2018 13:12	68.3	6.83	6760830
726	10/11/2018 13:12	68.1	6.81	6456542
727	10/11/2018 13:12	69.8	6.98	9549926
728	10/11/2018 13:12	69.4	6.94	8709636
729	10/11/2018 13:12	70.7	7.07	11748976
730	10/11/2018 13:12	70.4	7.04	10964782
731	10/11/2018 13:12	71.9	7.19	15488166
732	10/11/2018 13:12	70.9	7.09	12302688
733	10/11/2018 13:12	71.8	7.18	15135612
734	10/11/2018 13:12	69.8	6.98	9549926
735	10/11/2018 13:12	67	6.7	5011872
736	10/11/2018 13:12	64.7	6.47	2951209
737	10/11/2018 13:12	65.9	6.59	3890451
738	10/11/2018 13:12	65.6	6.56	3630781
739	10/11/2018 13:12	66.6	6.66	4570882
740	10/11/2018 13:12	66.6	6.66	4570882
741	10/11/2018 13:12	66.5	6.65	4466836
742	10/11/2018 13:12	67.1	6.71	5128614
743	10/11/2018 13:12	66.1	6.61	4073803
744	10/11/2018 13:12	67.2	6.72	5248075
745	10/11/2018 13:12	66.8	6.68	4786301
746	10/11/2018 13:12	67.2	6.72	5248075
747	10/11/2018 13:12	67.7	6.77	5888437
748	10/11/2018 13:12	67.8	6.78	6025596
749	10/11/2018 13:12	67.8	6.78	6025596
750	10/11/2018 13:12	67.9	6.79	6165950
751	10/11/2018 13:12	68	6.8	6309573
752	10/11/2018 13:12	67.6	6.76	5754399
753	10/11/2018 13:12	67.5	6.75	5623413
754	10/11/2018 13:12	67	6.7	5011872

755	10/11/2018 13:12	66.3	6.63	4265795
756	10/11/2018 13:12	67.6	6.76	5754399
757	10/11/2018 13:12	66.6	6.66	4570882
758	10/11/2018 13:12	66.7	6.67	4677351
759	10/11/2018 13:12	67.8	6.78	6025596
760	10/11/2018 13:12	67.2	6.72	5248075
761	10/11/2018 13:12	67.1	6.71	5128614
762	10/11/2018 13:12	66.5	6.65	4466836
763	10/11/2018 13:12	66.6	6.66	4570882
764	10/11/2018 13:12	68.6	6.86	7244360
765	10/11/2018 13:13	67.4	6.74	5495409
766	10/11/2018 13:13	68.4	6.84	6918310
767	10/11/2018 13:13	68.6	6.86	7244360
768	10/11/2018 13:13	68.1	6.81	6456542
769	10/11/2018 13:13	69	6.9	7943282
770	10/11/2018 13:13	69.2	6.92	8317638
771	10/11/2018 13:13	69.9	6.99	9772372
772	10/11/2018 13:13	70.5	7.05	11220185
773	10/11/2018 13:13	71	7.1	12589254
774	10/11/2018 13:13	70.1	7.01	10232930
775	10/11/2018 13:13	69.6	6.96	9120108
776	10/11/2018 13:13	69.5	6.95	8912509
777	10/11/2018 13:13	70.8	7.08	12022644
778	10/11/2018 13:13	74.8	7.48	30199517
779	10/11/2018 13:13	74	7.4	25118864
780	10/11/2018 13:13	71.2	7.12	13182567
781	10/11/2018 13:13	72.6	7.26	18197009
782	10/11/2018 13:13	71.7	7.17	14791084
783	10/11/2018 13:13	70.8	7.08	12022644
784	10/11/2018 13:13	69.5	6.95	8912509
785	10/11/2018 13:13	71.1	7.11	12882496
786	10/11/2018 13:13	70.7	7.07	11748976
787	10/11/2018 13:13	68.7	6.87	7413102
788	10/11/2018 13:13	68.6	6.86	7244360
789	10/11/2018 13:13	67.5	6.75	5623413

790	10/11/2018 13:13	66.8	6.68	4786301
791	10/11/2018 13:13	68.2	6.82	6606934
792	10/11/2018 13:13	70	7	10000000
793	10/11/2018 13:13	72.8	7.28	19054607
794	10/11/2018 13:13	73.8	7.38	23988329
795	10/11/2018 13:13	76.3	7.63	42657952
796	10/11/2018 13:13	75.3	7.53	33884416
797	10/11/2018 13:13	75.3	7.53	33884416
798	10/11/2018 13:13	74.5	7.45	28183829
799	10/11/2018 13:13	76.8	7.68	47863009
800	10/11/2018 13:13	74.5	7.45	28183829
801	10/11/2018 13:13	71.6	7.16	14454398
802	10/11/2018 13:13	69	6.9	7943282
803	10/11/2018 13:13	68.3	6.83	6760830
804	10/11/2018 13:13	67.3	6.73	5370318
805	10/11/2018 13:13	67.4	6.74	5495409
806	10/11/2018 13:13	66.6	6.66	4570882
807	10/11/2018 13:13	67.9	6.79	6165950
808	10/11/2018 13:13	70.3	7.03	10715193
809	10/11/2018 13:13	70.1	7.01	10232930
810	10/11/2018 13:13	70	7	10000000
811	10/11/2018 13:13	71.2	7.12	13182567
812	10/11/2018 13:13	69.4	6.94	8709636
813	10/11/2018 13:13	69.2	6.92	8317638
814	10/11/2018 13:13	67.5	6.75	5623413
815	10/11/2018 13:13	66.2	6.62	4168694
816	10/11/2018 13:13	66.3	6.63	4265795
817	10/11/2018 13:13	65.5	6.55	3548134
818	10/11/2018 13:13	66.7	6.67	4677351
819	10/11/2018 13:13	67.4	6.74	5495409
820	10/11/2018 13:13	67	6.7	5011872
821	10/11/2018 13:13	66.6	6.66	4570882
822	10/11/2018 13:13	68.4	6.84	6918310
823	10/11/2018 13:13	67.9	6.79	6165950
824	10/11/2018 13:13	67.3	6.73	5370318

825	10/11/2018 13:14	66.9	6.69	4897788
826	10/11/2018 13:14	67.4	6.74	5495409
827	10/11/2018 13:14	68.2	6.82	6606934
828	10/11/2018 13:14	67.2	6.72	5248075
829	10/11/2018 13:14	68	6.8	6309573
830	10/11/2018 13:14	67.4	6.74	5495409
831	10/11/2018 13:14	67.3	6.73	5370318
832	10/11/2018 13:14	67.9	6.79	6165950
833	10/11/2018 13:14	68.7	6.87	7413102
834	10/11/2018 13:14	68.4	6.84	6918310
835	10/11/2018 13:14	70	7	10000000
836	10/11/2018 13:14	67.3	6.73	5370318
837	10/11/2018 13:14	70.9	7.09	12302688
838	10/11/2018 13:14	70.4	7.04	10964782
839	10/11/2018 13:14	71.9	7.19	15488166
840	10/11/2018 13:14	73.2	7.32	20892961
841	10/11/2018 13:14	72.1	7.21	16218101
842	10/11/2018 13:14	70.7	7.07	11748976
843	10/11/2018 13:14	72.2	7.22	16595869
844	10/11/2018 13:14	70	7	10000000
845	10/11/2018 13:14	67.5	6.75	5623413
846	10/11/2018 13:14	65.8	6.58	3801894
847	10/11/2018 13:14	66	6.6	3981072
848	10/11/2018 13:14	65.6	6.56	3630781
849	10/11/2018 13:14	65.9	6.59	3890451
850	10/11/2018 13:14	66.5	6.65	4466836
851	10/11/2018 13:14	67.5	6.75	5623413
852	10/11/2018 13:14	68.4	6.84	6918310
853	10/11/2018 13:14	67.8	6.78	6025596
854	10/11/2018 13:14	68	6.8	6309573
855	10/11/2018 13:14	68.7	6.87	7413102
856	10/11/2018 13:14	69.4	6.94	8709636
857	10/11/2018 13:14	73.3	7.33	21379621
858	10/11/2018 13:14	73.7	7.37	23442288
859	10/11/2018 13:14	72.8	7.28	19054607

860	10/11/2018	13:14	71.8	7.18	15135612
861	10/11/2018	13:14	70.8	7.08	12022644
862	10/11/2018	13:14	70.4	7.04	10964782
863	10/11/2018	13:14	75.3	7.53	33884416
864	10/11/2018	13:14	75.6	7.56	36307805
865	10/11/2018	13:14	71.9	7.19	15488166
866	10/11/2018	13:14	69.5	6.95	8912509
867	10/11/2018	13:14	67.9	6.79	6165950
868	10/11/2018	13:14	68.9	6.89	7762471
869	10/11/2018	13:14	68.8	6.88	7585776
870	10/11/2018	13:14	68.2	6.82	6606934
871	10/11/2018	13:14	66.8	6.68	4786301
872	10/11/2018	13:14	65.5	6.55	3548134
873	10/11/2018	13:14	66.1	6.61	4073803
874	10/11/2018	13:14	65.9	6.59	3890451
875	10/11/2018	13:14	65.3	6.53	3388442
876	10/11/2018	13:14	66.3	6.63	4265795
877	10/11/2018	13:14	65.5	6.55	3548134
878	10/11/2018	13:14	66.3	6.63	4265795
879	10/11/2018	13:14	66	6.6	3981072
880	10/11/2018	13:14	65.9	6.59	3890451
881	10/11/2018	13:14	67.1	6.71	5128614
882	10/11/2018	13:14	67.6	6.76	5754399
883	10/11/2018	13:14	68.2	6.82	6606934
884	10/11/2018	13:14	68.7	6.87	7413102
885	10/11/2018	13:15	68.7	6.87	7413102
886	10/11/2018	13:15	67.6	6.76	5754399
887	10/11/2018	13:15	67.2	6.72	5248075
888	10/11/2018	13:15	67.2	6.72	5248075
889	10/11/2018	13:15	67.6	6.76	5754399
890	10/11/2018	13:15	67.3	6.73	5370318
891	10/11/2018	13:15	66.5	6.65	4466836
892	10/11/2018	13:15	66.7	6.67	4677351
893	10/11/2018	13:15	67.4	6.74	5495409
894	10/11/2018	13:15	67	6.7	5011872

895	10/11/2018 13:15	66.5	6.65	4466836
896	10/11/2018 13:15	67.8	6.78	6025596
897	10/11/2018 13:15	68.6	6.86	7244360
898	10/11/2018 13:15	68.4	6.84	6918310
899	10/11/2018 13:15	67.5	6.75	5623413
900	10/11/2018 13:15	66.7	6.67	4677351

Data Logger

3

A

FAST

40-100

Noise Measurement 2

63.9	
58.4	
43.6	
36.5	
35.2	
97.9	
4/1/2009 1:01	
119.3	
70	

							Average Leq	
No.s	Time	**dBA**	Divided by 10	Anti-log	Total noise energy	Divide by number of samples	10*Log	
1	10/11/2018 13:34	61.6	6.16	1445440	6744372005	7493746.672	68.74699	
2	10/11/2018 13:34	61.3	6.13	1348963				
3	10/11/2018 13:34	62.3	6.23	1698244				
4	10/11/2018 13:34	62	6.2	1584893				
5	10/11/2018 13:34	61.9	6.19	1548817				
6	10/11/2018 13:34	61.9	6.19	1548817				
7	10/11/2018 13:35	63.7	6.37	2344229				
8	10/11/2018 13:35	65.6	6.56	3630781				
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10	10/11/2018 13:35	68.9	6.89	7762471				
11	10/11/2018 13:35	67.1	6.71	5128614				
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13	10/11/2018 13:35	69.3	6.93	8511380				
14	10/11/2018 13:35	68.4	6.84	6918310				
15	10/11/2018 13:35	67.8	6.78	6025596				
16	10/11/2018 13:35	67.4	6.74	5495409				
17	10/11/2018 13:35	66.9	6.69	4897788				
18	10/11/2018 13:35	68.3	6.83	6760830				
19	10/11/2018 13:35	69.5	6.95	8912509				

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23	10/11/2018 13:35	65	6.5	3162278
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25	10/11/2018 13:35	72	7.2	15848932
26	10/11/2018 13:35	73.2	7.32	20892961
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33	10/11/2018 13:35	63.8	6.38	2398833
34	10/11/2018 13:35	63.8	6.38	2398833
35	10/11/2018 13:35	62.3	6.23	1698244
36	10/11/2018 13:35	62.2	6.22	1659587
37	10/11/2018 13:35	63	6.3	1995262
38	10/11/2018 13:35	62.9	6.29	1949845
39	10/11/2018 13:35	62.8	6.28	1905461
40	10/11/2018 13:35	62.3	6.23	1698244
41	10/11/2018 13:35	62.9	6.29	1949845
42	10/11/2018 13:35	64.5	6.45	2818383
43	10/11/2018 13:35	64.9	6.49	3090295
44	10/11/2018 13:35	66.2	6.62	4168694
45	10/11/2018 13:35	66.1	6.61	4073803
46	10/11/2018 13:35	65.9	6.59	3890451
47	10/11/2018 13:35	66.9	6.69	4897788
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51	10/11/2018 13:35	65.8	6.58	3801894
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53	10/11/2018 13:35	72.5	7.25	17782794
54	10/11/2018 13:35	70.2	7.02	10471285

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57	10/11/2018	13:35	88.1	8.81	6.46E+08
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71	10/11/2018	13:36	80.1	8.01	1.02E+08
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74	10/11/2018	13:36	78.9	7.89	77624712
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76	10/11/2018	13:36	63.1	6.31	2041738
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78	10/11/2018	13:36	62	6.2	1584893
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85	10/11/2018	13:36	70.4	7.04	10964782
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97	10/11/2018 13:36	62.7	6.27	1862087
98	10/11/2018 13:36	67.4	6.74	5495409
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103	10/11/2018 13:36	66.9	6.69	4897788
104	10/11/2018 13:36	65.9	6.59	3890451
105	10/11/2018 13:36	65.6	6.56	3630781
106	10/11/2018 13:36	64.8	6.48	3019952
107	10/11/2018 13:36	62.8	6.28	1905461
108	10/11/2018 13:36	63.5	6.35	2238721
109	10/11/2018 13:36	63.8	6.38	2398833
110	10/11/2018 13:36	65.5	6.55	3548134
111	10/11/2018 13:36	65.9	6.59	3890451
112	10/11/2018 13:36	66.9	6.69	4897788
113	10/11/2018 13:36	68.6	6.86	7244360
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115	10/11/2018 13:36	69.1	6.91	8128305
116	10/11/2018 13:36	65.1	6.51	3235937
117	10/11/2018 13:36	63.3	6.33	2137962
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119	10/11/2018 13:36	63.2	6.32	2089296
120	10/11/2018 13:36	64.5	6.45	2818383
121	10/11/2018 13:36	65.5	6.55	3548134
122	10/11/2018 13:36	64.9	6.49	3090295
123	10/11/2018 13:36	65.8	6.58	3801894
124	10/11/2018 13:36	68.1	6.81	6456542

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131	10/11/2018 13:37	68.9	6.89	7762471
132	10/11/2018 13:37	63.1	6.31	2041738
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142	10/11/2018 13:37	65.7	6.57	3715352
143	10/11/2018 13:37	66	6.6	3981072
144	10/11/2018 13:37	64.5	6.45	2818383
145	10/11/2018 13:37	63	6.3	1995262
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147	10/11/2018 13:37	61	6.1	1258925
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152	10/11/2018 13:37	62.6	6.26	1819701
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154	10/11/2018 13:37	66.5	6.65	4466836
155	10/11/2018 13:37	67.1	6.71	5128614
156	10/11/2018 13:37	68.5	6.85	7079458
157	10/11/2018 13:37	68	6.8	6309573
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167	10/11/2018 13:37	63	6.3	1995262
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176	10/11/2018 13:37	68.1	6.81	6456542
177	10/11/2018 13:37	68.4	6.84	6918310
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180	10/11/2018 13:37	62.6	6.26	1819701
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183	10/11/2018 13:37	61.1	6.11	1288250
184	10/11/2018 13:37	62.6	6.26	1819701
185	10/11/2018 13:37	62.8	6.28	1905461
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187	10/11/2018 13:38	68.1	6.81	6456542
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192	10/11/2018 13:38	70.6	7.06	11481536
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207	10/11/2018 13:38	63.2	6.32	2089296
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216	10/11/2018 13:38	65	6.5	3162278
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235	10/11/2018 13:38	62.3	6.23	1698244
236	10/11/2018 13:38	62.3	6.23	1698244
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252	10/11/2018 13:39	68.3	6.83	6760830
253	10/11/2018 13:39	73.1	7.31	20417379
254	10/11/2018 13:39	75	7.5	31622777
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326	10/11/2018 13:40	63	6.3	1995262
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346	10/11/2018 13:40	67.8	6.78	6025596
347	10/11/2018 13:40	69.5	6.95	8912509
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353	10/11/2018 13:40	63.4	6.34	2187762
354	10/11/2018 13:40	63.5	6.35	2238721
355	10/11/2018 13:40	63.3	6.33	2137962
356	10/11/2018 13:40	62.3	6.23	1698244
357	10/11/2018 13:40	61.6	6.16	1445440
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361	10/11/2018 13:40	61.3	6.13	1348963
362	10/11/2018 13:40	63.3	6.33	2137962
363	10/11/2018 13:40	65.7	6.57	3715352
364	10/11/2018 13:40	68.2	6.82	6606934
365	10/11/2018 13:40	70.5	7.05	11220185
366	10/11/2018 13:40	67.5	6.75	5623413
367	10/11/2018 13:41	67.1	6.71	5128614
368	10/11/2018 13:41	65	6.5	3162278
369	10/11/2018 13:41	64.3	6.43	2691535

370	10/11/2018 13:41	66	6.6	3981072
371	10/11/2018 13:41	67.4	6.74	5495409
372	10/11/2018 13:41	67	6.7	5011872
373	10/11/2018 13:41	63.9	6.39	2454709
374	10/11/2018 13:41	60.6	6.06	1148154
375	10/11/2018 13:41	59.3	5.93	851138
376	10/11/2018 13:41	59.5	5.95	891250.9
377	10/11/2018 13:41	59.3	5.93	851138
378	10/11/2018 13:41	59.1	5.91	812830.5
379	10/11/2018 13:41	58.6	5.86	724436
380	10/11/2018 13:41	59.1	5.91	812830.5
381	10/11/2018 13:41	65.9	6.59	3890451
382	10/11/2018 13:41	63.4	6.34	2187762
383	10/11/2018 13:41	65	6.5	3162278
384	10/11/2018 13:41	65.3	6.53	3388442
385	10/11/2018 13:41	62.7	6.27	1862087
386	10/11/2018 13:41	62.4	6.24	1737801
387	10/11/2018 13:41	61.9	6.19	1548817
388	10/11/2018 13:41	62.5	6.25	1778279
389	10/11/2018 13:41	63.6	6.36	2290868
390	10/11/2018 13:41	65.7	6.57	3715352
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396	10/11/2018 13:41	71	7.1	12589254
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403	10/11/2018 13:41	61.9	6.19	1548817
404	10/11/2018 13:41	62.7	6.27	1862087

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423	10/11/2018 13:41	60.8	6.08	1202264
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425	10/11/2018 13:41	59.6	5.96	912010.8
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429	10/11/2018 13:42	60.9	6.09	1230269
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431	10/11/2018 13:42	63	6.3	1995262
432	10/11/2018 13:42	63.3	6.33	2137962
433	10/11/2018 13:42	62.7	6.27	1862087
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446	10/11/2018 13:42	61.9	6.19	1548817
447	10/11/2018 13:42	63.5	6.35	2238721
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453	10/11/2018 13:42	62.5	6.25	1778279
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455	10/11/2018 13:42	62.2	6.22	1659587
456	10/11/2018 13:42	61.6	6.16	1445440
457	10/11/2018 13:42	62.6	6.26	1819701
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474	10/11/2018 13:42	66.9	6.69	4897788

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478	10/11/2018 13:42	75.9	7.59	38904514
479	10/11/2018 13:42	72.3	7.23	16982437
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483	10/11/2018 13:42	67.4	6.74	5495409
484	10/11/2018 13:42	64.1	6.41	2570396
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683	10/11/2018 13:46	67.7	6.77	5888437
684	10/11/2018 13:46	68.7	6.87	7413102

685	10/11/2018 13:46	67.8	6.78	6025596
686	10/11/2018 13:46	66	6.6	3981072
687	10/11/2018 13:46	63.9	6.39	2454709
688	10/11/2018 13:46	62.9	6.29	1949845
689	10/11/2018 13:46	63.4	6.34	2187762
690	10/11/2018 13:46	67.3	6.73	5370318
691	10/11/2018 13:46	69.1	6.91	8128305
692	10/11/2018 13:46	69.1	6.91	8128305
693	10/11/2018 13:46	67.6	6.76	5754399
694	10/11/2018 13:46	67	6.7	5011872
695	10/11/2018 13:46	69.8	6.98	9549926
696	10/11/2018 13:46	68.3	6.83	6760830
697	10/11/2018 13:46	64.8	6.48	3019952
698	10/11/2018 13:46	61	6.1	1258925
699	10/11/2018 13:46	59.3	5.93	851138
700	10/11/2018 13:46	59.5	5.95	891250.9
701	10/11/2018 13:46	61	6.1	1258925
702	10/11/2018 13:46	62.1	6.21	1621810
703	10/11/2018 13:46	61.9	6.19	1548817
704	10/11/2018 13:46	62.8	6.28	1905461
705	10/11/2018 13:46	63.8	6.38	2398833
706	10/11/2018 13:46	68.2	6.82	6606934
707	10/11/2018 13:46	70.2	7.02	10471285
708	10/11/2018 13:46	71.3	7.13	13489629
709	10/11/2018 13:46	69.5	6.95	8912509
710	10/11/2018 13:46	66.3	6.63	4265795
711	10/11/2018 13:46	65.5	6.55	3548134
712	10/11/2018 13:46	65.3	6.53	3388442
713	10/11/2018 13:46	64.7	6.47	2951209
714	10/11/2018 13:46	65.7	6.57	3715352
715	10/11/2018 13:46	65.9	6.59	3890451
716	10/11/2018 13:46	65.4	6.54	3467369
717	10/11/2018 13:46	64	6.4	2511886
718	10/11/2018 13:46	63.9	6.39	2454709
719	10/11/2018 13:46	65.4	6.54	3467369

720	10/11/2018 13:46	65.4	6.54	3467369
721	10/11/2018 13:46	67	6.7	5011872
722	10/11/2018 13:46	68.9	6.89	7762471
723	10/11/2018 13:46	70.7	7.07	11748976
724	10/11/2018 13:46	68.7	6.87	7413102
725	10/11/2018 13:46	64.8	6.48	3019952
726	10/11/2018 13:46	61.7	6.17	1479108
727	10/11/2018 13:47	60.3	6.03	1071519
728	10/11/2018 13:47	59.3	5.93	851138
729	10/11/2018 13:47	60.6	6.06	1148154
730	10/11/2018 13:47	59.5	5.95	891250.9
731	10/11/2018 13:47	59.4	5.94	870963.6
732	10/11/2018 13:47	60.2	6.02	1047129
733	10/11/2018 13:47	60.5	6.05	1122018
734	10/11/2018 13:47	61.7	6.17	1479108
735	10/11/2018 13:47	63.8	6.38	2398833
736	10/11/2018 13:47	69	6.9	7943282
737	10/11/2018 13:47	73.5	7.35	22387211
738	10/11/2018 13:47	69.3	6.93	8511380
739	10/11/2018 13:47	67.1	6.71	5128614
740	10/11/2018 13:47	67.4	6.74	5495409
741	10/11/2018 13:47	71.1	7.11	12882496
742	10/11/2018 13:47	74.5	7.45	28183829
743	10/11/2018 13:47	69.6	6.96	9120108
744	10/11/2018 13:47	66.5	6.65	4466836
745	10/11/2018 13:47	64	6.4	2511886
746	10/11/2018 13:47	62.1	6.21	1621810
747	10/11/2018 13:47	61.2	6.12	1318257
748	10/11/2018 13:47	59.9	5.99	977237.2
749	10/11/2018 13:47	59.5	5.95	891250.9
750	10/11/2018 13:47	63	6.3	1995262
751	10/11/2018 13:47	62.5	6.25	1778279
752	10/11/2018 13:47	65.6	6.56	3630781
753	10/11/2018 13:47	65.3	6.53	3388442
754	10/11/2018 13:47	65	6.5	3162278

755	10/11/2018 13:47	60.8	6.08	1202264
756	10/11/2018 13:47	67.8	6.78	6025596
757	10/11/2018 13:47	63.4	6.34	2187762
758	10/11/2018 13:47	61	6.1	1258925
759	10/11/2018 13:47	60.9	6.09	1230269
760	10/11/2018 13:47	59.9	5.99	977237.2
761	10/11/2018 13:47	59.4	5.94	870963.6
762	10/11/2018 13:47	59.5	5.95	891250.9
763	10/11/2018 13:47	59.3	5.93	851138
764	10/11/2018 13:47	60.9	6.09	1230269
765	10/11/2018 13:47	61.9	6.19	1548817
766	10/11/2018 13:47	64.1	6.41	2570396
767	10/11/2018 13:47	67.1	6.71	5128614
768	10/11/2018 13:47	67.5	6.75	5623413
769	10/11/2018 13:47	64.5	6.45	2818383
770	10/11/2018 13:47	66.3	6.63	4265795
771	10/11/2018 13:47	68.5	6.85	7079458
772	10/11/2018 13:47	69.6	6.96	9120108
773	10/11/2018 13:47	68.2	6.82	6606934
774	10/11/2018 13:47	67	6.7	5011872
775	10/11/2018 13:47	68.4	6.84	6918310
776	10/11/2018 13:47	68.2	6.82	6606934
777	10/11/2018 13:47	69.6	6.96	9120108
778	10/11/2018 13:47	70.3	7.03	10715193
779	10/11/2018 13:47	70.7	7.07	11748976
780	10/11/2018 13:47	73.1	7.31	20417379
781	10/11/2018 13:47	72.7	7.27	18620871
782	10/11/2018 13:47	68.8	6.88	7585776
783	10/11/2018 13:47	69.5	6.95	8912509
784	10/11/2018 13:47	71.4	7.14	13803843
785	10/11/2018 13:47	72.3	7.23	16982437
786	10/11/2018 13:47	70.1	7.01	10232930
787	10/11/2018 13:48	68.4	6.84	6918310
788	10/11/2018 13:48	71.5	7.15	14125375
789	10/11/2018 13:48	70.4	7.04	10964782

790	10/11/2018 13:48	66.8	6.68	4786301
791	10/11/2018 13:48	67.1	6.71	5128614
792	10/11/2018 13:48	67.8	6.78	6025596
793	10/11/2018 13:48	68.7	6.87	7413102
794	10/11/2018 13:48	70.3	7.03	10715193
795	10/11/2018 13:48	70.1	7.01	10232930
796	10/11/2018 13:48	65.3	6.53	3388442
797	10/11/2018 13:48	61.7	6.17	1479108
798	10/11/2018 13:48	61.6	6.16	1445440
799	10/11/2018 13:48	60.1	6.01	1023293
800	10/11/2018 13:48	59.5	5.95	891250.9
801	10/11/2018 13:48	60.4	6.04	1096478
802	10/11/2018 13:48	62.9	6.29	1949845
803	10/11/2018 13:48	64.2	6.42	2630268
804	10/11/2018 13:48	63.6	6.36	2290868
805	10/11/2018 13:48	65.3	6.53	3388442
806	10/11/2018 13:48	62.6	6.26	1819701
807	10/11/2018 13:48	62.5	6.25	1778279
808	10/11/2018 13:48	61.9	6.19	1548817
809	10/11/2018 13:48	61.7	6.17	1479108
810	10/11/2018 13:48	61.6	6.16	1445440
811	10/11/2018 13:48	62.2	6.22	1659587
812	10/11/2018 13:48	62.9	6.29	1949845
813	10/11/2018 13:48	62.4	6.24	1737801
814	10/11/2018 13:48	63.8	6.38	2398833
815	10/11/2018 13:48	64.4	6.44	2754229
816	10/11/2018 13:48	64.5	6.45	2818383
817	10/11/2018 13:48	67.1	6.71	5128614
818	10/11/2018 13:48	79.4	7.94	87096359
819	10/11/2018 13:48	76.5	7.65	44668359
820	10/11/2018 13:48	77.5	7.75	56234133
821	10/11/2018 13:48	80.1	8.01	1.02E+08
822	10/11/2018 13:48	71.8	7.18	15135612
823	10/11/2018 13:48	70.5	7.05	11220185
824	10/11/2018 13:48	71	7.1	12589254

825	10/11/2018 13:48	70.7	7.07	11748976
826	10/11/2018 13:48	71.4	7.14	13803843
827	10/11/2018 13:48	71.4	7.14	13803843
828	10/11/2018 13:48	71.3	7.13	13489629
829	10/11/2018 13:48	71.2	7.12	13182567
830	10/11/2018 13:48	71	7.1	12589254
831	10/11/2018 13:48	70.7	7.07	11748976
832	10/11/2018 13:48	70.6	7.06	11481536
833	10/11/2018 13:48	70.5	7.05	11220185
834	10/11/2018 13:48	71	7.1	12589254
835	10/11/2018 13:48	70.7	7.07	11748976
836	10/11/2018 13:48	70.6	7.06	11481536
837	10/11/2018 13:48	70.8	7.08	12022644
838	10/11/2018 13:48	70.7	7.07	11748976
839	10/11/2018 13:48	70.9	7.09	12302688
840	10/11/2018 13:48	70.9	7.09	12302688
841	10/11/2018 13:48	70.6	7.06	11481536
842	10/11/2018 13:48	70.4	7.04	10964782
843	10/11/2018 13:48	70.6	7.06	11481536
844	10/11/2018 13:48	70.7	7.07	11748976
845	10/11/2018 13:48	70.7	7.07	11748976
846	10/11/2018 13:48	71.9	7.19	15488166
847	10/11/2018 13:49	76.8	7.68	47863009
848	10/11/2018 13:49	80.1	8.01	1.02E+08
849	10/11/2018 13:49	85.4	8.54	3.47E+08
850	10/11/2018 13:49	82.8	8.28	1.91E+08
851	10/11/2018 13:49	79.7	7.97	93325430
852	10/11/2018 13:49	73.4	7.34	21877616
853	10/11/2018 13:49	74	7.4	25118864
854	10/11/2018 13:49	71.1	7.11	12882496
855	10/11/2018 13:49	70.6	7.06	11481536
856	10/11/2018 13:49	67.4	6.74	5495409
857	10/11/2018 13:49	67.5	6.75	5623413
858	10/11/2018 13:49	64.2	6.42	2630268
859	10/11/2018 13:49	62.1	6.21	1621810

860	10/11/2018 13:49	61.1	6.11	1288250
861	10/11/2018 13:49	60.7	6.07	1174898
862	10/11/2018 13:49	60.1	6.01	1023293
863	10/11/2018 13:49	60.4	6.04	1096478
864	10/11/2018 13:49	60.3	6.03	1071519
865	10/11/2018 13:49	59.7	5.97	933254.3
866	10/11/2018 13:49	60.5	6.05	1122018
867	10/11/2018 13:49	60.6	6.06	1148154
868	10/11/2018 13:49	62.2	6.22	1659587
869	10/11/2018 13:49	64.2	6.42	2630268
870	10/11/2018 13:49	67	6.7	5011872
871	10/11/2018 13:49	68.9	6.89	7762471
872	10/11/2018 13:49	69.2	6.92	8317638
873	10/11/2018 13:49	68.5	6.85	7079458
874	10/11/2018 13:49	61.4	6.14	1380384
875	10/11/2018 13:49	60.1	6.01	1023293
876	10/11/2018 13:49	58.8	5.88	758577.6
877	10/11/2018 13:49	58.9	5.89	776247.1
878	10/11/2018 13:49	59.5	5.95	891250.9
879	10/11/2018 13:49	62	6.2	1584893
880	10/11/2018 13:49	63.9	6.39	2454709
881	10/11/2018 13:49	67.3	6.73	5370318
882	10/11/2018 13:49	68.9	6.89	7762471
883	10/11/2018 13:49	67.8	6.78	6025596
884	10/11/2018 13:49	68.9	6.89	7762471
885	10/11/2018 13:49	70.4	7.04	10964782
886	10/11/2018 13:49	70	7	10000000
887	10/11/2018 13:49	70.1	7.01	10232930
888	10/11/2018 13:49	73.3	7.33	21379621
889	10/11/2018 13:49	70.7	7.07	11748976
890	10/11/2018 13:49	66.2	6.62	4168694
891	10/11/2018 13:49	66.7	6.67	4677351
892	10/11/2018 13:49	65.8	6.58	3801894
893	10/11/2018 13:49	65.5	6.55	3548134
894	10/11/2018 13:49	66.2	6.62	4168694

895	10/11/2018 13:49	65.4	6.54	3467369
896	10/11/2018 13:49	65.6	6.56	3630781
897	10/11/2018 13:49	65.5	6.55	3548134
898	10/11/2018 13:49	65.2	6.52	3311311
899	10/11/2018 13:49	66.6	6.66	4570882
900	10/11/2018 13:49	66.1	6.61	4073803

- Freq Weight : A
- Time Weight : FAST
- Level Range : 40-100
- Max dB : 67.5 - 2009/04/01 00:19:31
- Level Range : 40-100
- SEL : 86.5
- Leq : 57.0
-

Noise Measurement 3

No.s	Date Time	(dB)
1	2009/04/01 00:05:10	57.9
2	2009/04/01 00:05:11	58.1
3	2009/04/01 00:05:12	56.7
4	2009/04/01 00:05:13	58.0
5	2009/04/01 00:05:14	57.6
6	2009/04/01 00:05:15	57.0
7	2009/04/01 00:05:16	59.4
8	2009/04/01 00:05:17	58.6
9	2009/04/01 00:05:18	58.2
10	2009/04/01 00:05:19	59.0
11	2009/04/01 00:05:20	59.1
12	2009/04/01 00:05:21	58.0
13	2009/04/01 00:05:22	61.3
14	2009/04/01 00:05:23	58.4
15	2009/04/01 00:05:24	58.8
16	2009/04/01 00:05:25	60.0
17	2009/04/01 00:05:26	56.4
18	2009/04/01 00:05:27	56.4
19	2009/04/01 00:05:28	55.8
20	2009/04/01 00:05:29	55.6
21	2009/04/01 00:05:30	56.6
22	2009/04/01 00:05:31	56.3
23	2009/04/01 00:05:32	55.6
24	2009/04/01 00:05:33	57.0
25	2009/04/01 00:05:34	56.3
26	2009/04/01 00:05:35	57.3
27	2009/04/01 00:05:36	57.5
28	2009/04/01 00:05:37	56.8
29	2009/04/01 00:05:38	57.5
30	2009/04/01 00:05:39	57.1
31	2009/04/01 00:05:40	56.5
32	2009/04/01 00:05:41	57.8
33	2009/04/01 00:05:42	56.7
34	2009/04/01 00:05:43	56.7
35	2009/04/01 00:05:44	58.6
36	2009/04/01 00:05:45	57.3
37	2009/04/01 00:05:46	59.3
38	2009/04/01 00:05:47	57.1
39	2009/04/01 00:05:48	56.6
40	2009/04/01 00:05:49	57.9
41	2009/04/01 00:05:50	56.4
42	2009/04/01 00:05:51	56.9
43	2009/04/01 00:05:52	55.9
44	2009/04/01 00:05:53	54.9
45	2009/04/01 00:05:54	54.4
46	2009/04/01 00:05:55	55.0
47	2009/04/01 00:05:56	56.0
48	2009/04/01 00:05:57	55.9
49	2009/04/01 00:05:58	58.8
50	2009/04/01 00:05:59	59.4
51	2009/04/01 00:06:00	58.9
52	2009/04/01 00:06:01	57.2
53	2009/04/01 00:06:02	57.2
54	2009/04/01 00:06:03	57.6
55	2009/04/01 00:06:04	57.2
56	2009/04/01 00:06:05	56.6
57	2009/04/01 00:06:06	55.4
58	2009/04/01 00:06:07	54.7
59	2009/04/01 00:06:08	55.4
60	2009/04/01 00:06:09	56.8
61	2009/04/01 00:06:10	54.6
62	2009/04/01 00:06:11	55.2
63	2009/04/01 00:06:12	55.7
64	2009/04/01 00:06:13	55.4
65	2009/04/01 00:06:14	55.0
66	2009/04/01 00:06:15	54.8
67	2009/04/01 00:06:16	55.8
68	2009/04/01 00:06:17	56.2
69	2009/04/01 00:06:18	55.9
70	2009/04/01 00:06:19	56.2
71	2009/04/01 00:06:20	55.6
72	2009/04/01 00:06:21	56.2
73	2009/04/01 00:06:22	54.7
74	2009/04/01 00:06:23	54.7
75	2009/04/01 00:06:24	54.7
76	2009/04/01 00:06:25	53.5
77	2009/04/01 00:06:26	54.6
78	2009/04/01 00:06:27	56.6
79	2009/04/01 00:06:28	56.1
80	2009/04/01 00:06:29	54.7
81	2009/04/01 00:06:30	55.0
82	2009/04/01 00:06:31	54.7
83	2009/04/01 00:06:32	55.1
84	2009/04/01 00:06:33	59.0
85	2009/04/01 00:06:34	56.4

86	2009/04/01	00:06:35	56.1
87	2009/04/01	00:06:36	55.7
88	2009/04/01	00:06:37	56.2
89	2009/04/01	00:06:38	55.9
90	2009/04/01	00:06:39	55.8
91	2009/04/01	00:06:40	54.4
92	2009/04/01	00:06:41	56.0
93	2009/04/01	00:06:42	54.9
94	2009/04/01	00:06:43	55.7
95	2009/04/01	00:06:44	55.6
96	2009/04/01	00:06:45	56.4
97	2009/04/01	00:06:46	56.2
98	2009/04/01	00:06:47	56.8
99	2009/04/01	00:06:48	57.0
100	2009/04/01	00:06:49	57.0
101	2009/04/01	00:06:50	56.6
102	2009/04/01	00:06:51	56.1
103	2009/04/01	00:06:52	56.3
104	2009/04/01	00:06:53	55.9
105	2009/04/01	00:06:54	56.1
106	2009/04/01	00:06:55	56.2
107	2009/04/01	00:06:56	57.5
108	2009/04/01	00:06:57	58.5
109	2009/04/01	00:06:58	59.8
110	2009/04/01	00:06:59	60.2
111	2009/04/01	00:07:00	58.4
112	2009/04/01	00:07:01	58.3
113	2009/04/01	00:07:02	59.4
114	2009/04/01	00:07:03	60.3
115	2009/04/01	00:07:04	60.7
116	2009/04/01	00:07:05	60.8
117	2009/04/01	00:07:06	60.3
118	2009/04/01	00:07:07	61.7
119	2009/04/01	00:07:08	58.9
120	2009/04/01	00:07:09	64.2
121	2009/04/01	00:07:10	61.1
122	2009/04/01	00:07:11	62.3
123	2009/04/01	00:07:12	60.3
124	2009/04/01	00:07:13	61.1
125	2009/04/01	00:07:14	63.5
126	2009/04/01	00:07:15	60.4
127	2009/04/01	00:07:16	60.9
128	2009/04/01	00:07:17	61.1
129	2009/04/01	00:07:18	61.1
130	2009/04/01	00:07:19	60.3
131	2009/04/01	00:07:20	60.1
132	2009/04/01	00:07:21	59.6
133	2009/04/01	00:07:22	58.2
134	2009/04/01	00:07:23	58.0
135	2009/04/01	00:07:24	57.5
136	2009/04/01	00:07:25	57.9
137	2009/04/01	00:07:26	58.1
138	2009/04/01	00:07:27	57.6
139	2009/04/01	00:07:28	55.8
140	2009/04/01	00:07:29	54.6
141	2009/04/01	00:07:30	54.6
142	2009/04/01	00:07:31	54.9
143	2009/04/01	00:07:32	54.6
144	2009/04/01	00:07:33	54.6
145	2009/04/01	00:07:34	53.9
146	2009/04/01	00:07:35	55.2
147	2009/04/01	00:07:36	54.7
148	2009/04/01	00:07:37	54.8
149	2009/04/01	00:07:38	55.6
150	2009/04/01	00:07:39	56.6
151	2009/04/01	00:07:40	55.9
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154	2009/04/01	00:07:43	56.0
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156	2009/04/01	00:07:45	54.9
157	2009/04/01	00:07:46	55.3
158	2009/04/01	00:07:47	54.4
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578	2009/04/01	00:14:47	54.4
579	2009/04/01	00:14:48	54.9
580	2009/04/01	00:14:49	54.4

581	2009/04/01	00:14:50	55.1
582	2009/04/01	00:14:51	55.0
583	2009/04/01	00:14:52	55.1
584	2009/04/01	00:14:53	54.8
585	2009/04/01	00:14:54	55.9
586	2009/04/01	00:14:55	56.4
587	2009/04/01	00:14:56	56.3
588	2009/04/01	00:14:57	55.7
589	2009/04/01	00:14:58	55.5
590	2009/04/01	00:14:59	57.3
591	2009/04/01	00:15:00	56.1
592	2009/04/01	00:15:01	56.5
593	2009/04/01	00:15:02	55.9
594	2009/04/01	00:15:03	55.8
595	2009/04/01	00:15:04	55.2
596	2009/04/01	00:15:05	56.3
597	2009/04/01	00:15:06	56.7
598	2009/04/01	00:15:07	56.3
599	2009/04/01	00:15:08	57.0
600	2009/04/01	00:15:09	58.4
601	2009/04/01	00:15:10	58.8
602	2009/04/01	00:15:11	61.4
603	2009/04/01	00:15:12	58.1
604	2009/04/01	00:15:13	57.1
605	2009/04/01	00:15:14	58.3
606	2009/04/01	00:15:15	56.9
607	2009/04/01	00:15:16	58.3
608	2009/04/01	00:15:17	56.8
609	2009/04/01	00:15:18	55.3
610	2009/04/01	00:15:19	55.2
611	2009/04/01	00:15:20	55.3
612	2009/04/01	00:15:21	55.6
613	2009/04/01	00:15:22	55.0
614	2009/04/01	00:15:23	55.4
615	2009/04/01	00:15:24	55.3
616	2009/04/01	00:15:25	54.0
617	2009/04/01	00:15:26	55.0
618	2009/04/01	00:15:27	56.6
619	2009/04/01	00:15:28	55.9
620	2009/04/01	00:15:29	57.3
621	2009/04/01	00:15:30	57.1
622	2009/04/01	00:15:31	57.5
623	2009/04/01	00:15:32	56.7
624	2009/04/01	00:15:33	55.7
625	2009/04/01	00:15:34	55.3
626	2009/04/01	00:15:35	55.4
627	2009/04/01	00:15:36	57.0
628	2009/04/01	00:15:37	55.5
629	2009/04/01	00:15:38	56.9
630	2009/04/01	00:15:39	56.2
631	2009/04/01	00:15:40	56.1
632	2009/04/01	00:15:41	55.3
633	2009/04/01	00:15:42	56.5
634	2009/04/01	00:15:43	55.5
635	2009/04/01	00:15:44	55.7
636	2009/04/01	00:15:45	54.2
637	2009/04/01	00:15:46	56.3
638	2009/04/01	00:15:47	54.8
639	2009/04/01	00:15:48	54.5
640	2009/04/01	00:15:49	54.4
641	2009/04/01	00:15:50	54.4
642	2009/04/01	00:15:51	54.1
643	2009/04/01	00:15:52	54.1
644	2009/04/01	00:15:53	56.0
645	2009/04/01	00:15:54	56.2
646	2009/04/01	00:15:55	57.2
647	2009/04/01	00:15:56	57.4
648	2009/04/01	00:15:57	58.4
649	2009/04/01	00:15:58	57.7
650	2009/04/01	00:15:59	59.2
651	2009/04/01	00:16:00	58.3
652	2009/04/01	00:16:01	58.2
653	2009/04/01	00:16:02	59.6
654	2009/04/01	00:16:03	58.9
655	2009/04/01	00:16:04	59.0
656	2009/04/01	00:16:05	57.8
657	2009/04/01	00:16:06	57.7
658	2009/04/01	00:16:07	57.0
659	2009/04/01	00:16:08	57.9
660	2009/04/01	00:16:09	57.3
661	2009/04/01	00:16:10	57.0
662	2009/04/01	00:16:11	59.4
663	2009/04/01	00:16:12	58.9
664	2009/04/01	00:16:13	58.1
665	2009/04/01	00:16:14	57.8
666	2009/04/01	00:16:15	58.9
667	2009/04/01	00:16:16	58.5
668	2009/04/01	00:16:17	58.3
669	2009/04/01	00:16:18	57.5
670	2009/04/01	00:16:19	58.7
671	2009/04/01	00:16:20	57.2
672	2009/04/01	00:16:21	56.9
673	2009/04/01	00:16:22	57.3
674	2009/04/01	00:16:23	57.8
675	2009/04/01	00:16:24	58.7
676	2009/04/01	00:16:25	58.4
677	2009/04/01	00:16:26	60.0
678	2009/04/01	00:16:27	59.0
679	2009/04/01	00:16:28	58.0

680	2009/04/01	00:16:29	58.2
681	2009/04/01	00:16:30	58.2
682	2009/04/01	00:16:31	57.2
683	2009/04/01	00:16:32	56.5
684	2009/04/01	00:16:33	57.5
685	2009/04/01	00:16:34	57.6
686	2009/04/01	00:16:35	59.0
687	2009/04/01	00:16:36	59.5
688	2009/04/01	00:16:37	58.8
689	2009/04/01	00:16:38	58.9
690	2009/04/01	00:16:39	59.5
691	2009/04/01	00:16:40	60.8
692	2009/04/01	00:16:41	60.0
693	2009/04/01	00:16:42	58.1
694	2009/04/01	00:16:43	60.1
695	2009/04/01	00:16:44	57.4
696	2009/04/01	00:16:45	58.3
697	2009/04/01	00:16:46	58.3
698	2009/04/01	00:16:47	60.1
699	2009/04/01	00:16:48	56.3
700	2009/04/01	00:16:49	57.5
701	2009/04/01	00:16:50	58.5
702	2009/04/01	00:16:51	56.7
703	2009/04/01	00:16:52	56.2
704	2009/04/01	00:16:53	55.5
705	2009/04/01	00:16:54	56.5
706	2009/04/01	00:16:55	57.1
707	2009/04/01	00:16:56	57.0
708	2009/04/01	00:16:57	59.0
709	2009/04/01	00:16:58	57.0
710	2009/04/01	00:16:59	55.9
711	2009/04/01	00:17:00	56.0
712	2009/04/01	00:17:01	56.5
713	2009/04/01	00:17:02	57.1
714	2009/04/01	00:17:03	56.5
715	2009/04/01	00:17:04	57.6
716	2009/04/01	00:17:05	58.0
717	2009/04/01	00:17:06	56.3
718	2009/04/01	00:17:07	56.5
719	2009/04/01	00:17:08	56.7
720	2009/04/01	00:17:09	55.8
721	2009/04/01	00:17:10	55.4
722	2009/04/01	00:17:11	56.1
723	2009/04/01	00:17:12	59.2
724	2009/04/01	00:17:13	61.3
725	2009/04/01	00:17:14	57.3
726	2009/04/01	00:17:15	56.4
727	2009/04/01	00:17:16	56.2
728	2009/04/01	00:17:17	56.0
729	2009/04/01	00:17:18	56.6
730	2009/04/01	00:17:19	56.6
731	2009/04/01	00:17:20	55.3
732	2009/04/01	00:17:21	57.3
733	2009/04/01	00:17:22	55.7
734	2009/04/01	00:17:23	56.7
735	2009/04/01	00:17:24	57.6
736	2009/04/01	00:17:25	57.3
737	2009/04/01	00:17:26	55.1
738	2009/04/01	00:17:27	56.5
739	2009/04/01	00:17:28	55.6
740	2009/04/01	00:17:29	57.3
741	2009/04/01	00:17:30	55.5
742	2009/04/01	00:17:31	55.2
743	2009/04/01	00:17:32	56.6
744	2009/04/01	00:17:33	56.8
745	2009/04/01	00:17:34	56.2
746	2009/04/01	00:17:35	57.0
747	2009/04/01	00:17:36	56.8
748	2009/04/01	00:17:37	57.7
749	2009/04/01	00:17:38	56.3
750	2009/04/01	00:17:39	57.1
751	2009/04/01	00:17:40	55.9
752	2009/04/01	00:17:41	56.0
753	2009/04/01	00:17:42	55.7
754	2009/04/01	00:17:43	56.0
755	2009/04/01	00:17:44	55.0
756	2009/04/01	00:17:45	56.0
757	2009/04/01	00:17:46	54.2
758	2009/04/01	00:17:47	55.5
759	2009/04/01	00:17:48	55.8
760	2009/04/01	00:17:49	54.4
761	2009/04/01	00:17:50	54.2
762	2009/04/01	00:17:51	53.5
763	2009/04/01	00:17:52	55.0
764	2009/04/01	00:17:53	54.0
765	2009/04/01	00:17:54	55.0
766	2009/04/01	00:17:55	57.0
767	2009/04/01	00:17:56	56.2
768	2009/04/01	00:17:57	57.1
769	2009/04/01	00:17:58	57.2
770	2009/04/01	00:17:59	58.7
771	2009/04/01	00:18:00	58.6
772	2009/04/01	00:18:01	58.6
773	2009/04/01	00:18:02	59.2
774	2009/04/01	00:18:03	59.4
775	2009/04/01	00:18:04	57.5
776	2009/04/01	00:18:05	59.0
777	2009/04/01	00:18:06	58.1
778	2009/04/01	00:18:07	57.6

779	2009/04/01	00:18:08	58.6
780	2009/04/01	00:18:09	59.5
781	2009/04/01	00:18:10	57.5
782	2009/04/01	00:18:11	57.2
783	2009/04/01	00:18:12	57.4
784	2009/04/01	00:18:13	56.9
785	2009/04/01	00:18:14	56.3
786	2009/04/01	00:18:15	57.2
787	2009/04/01	00:18:16	55.8
788	2009/04/01	00:18:17	55.7
789	2009/04/01	00:18:18	55.6
790	2009/04/01	00:18:19	55.8
791	2009/04/01	00:18:20	55.5
792	2009/04/01	00:18:21	54.9
793	2009/04/01	00:18:22	55.1
794	2009/04/01	00:18:23	55.5
795	2009/04/01	00:18:24	56.0
796	2009/04/01	00:18:25	57.6
797	2009/04/01	00:18:26	55.7
798	2009/04/01	00:18:27	54.5
799	2009/04/01	00:18:28	55.5
800	2009/04/01	00:18:29	56.4
801	2009/04/01	00:18:30	54.1
802	2009/04/01	00:18:31	56.0
803	2009/04/01	00:18:32	55.8
804	2009/04/01	00:18:33	55.7
805	2009/04/01	00:18:34	55.5
806	2009/04/01	00:18:35	56.6
807	2009/04/01	00:18:36	56.5
808	2009/04/01	00:18:37	56.3
809	2009/04/01	00:18:38	56.3
810	2009/04/01	00:18:39	56.6
811	2009/04/01	00:18:40	57.5
812	2009/04/01	00:18:41	57.1
813	2009/04/01	00:18:42	57.2
814	2009/04/01	00:18:43	58.4
815	2009/04/01	00:18:44	56.9
816	2009/04/01	00:18:45	57.0
817	2009/04/01	00:18:46	57.2
818	2009/04/01	00:18:47	56.6
819	2009/04/01	00:18:48	55.8
820	2009/04/01	00:18:49	55.1
821	2009/04/01	00:18:50	55.8
822	2009/04/01	00:18:51	58.8
823	2009/04/01	00:18:52	56.5
824	2009/04/01	00:18:53	54.8
825	2009/04/01	00:18:54	55.1
826	2009/04/01	00:18:55	56.3
827	2009/04/01	00:18:56	54.8
828	2009/04/01	00:18:57	55.5
829	2009/04/01	00:18:58	55.1
830	2009/04/01	00:18:59	55.6
831	2009/04/01	00:19:00	58.1
832	2009/04/01	00:19:01	57.3
833	2009/04/01	00:19:02	56.2
834	2009/04/01	00:19:03	56.4
835	2009/04/01	00:19:04	55.9
836	2009/04/01	00:19:05	55.9
837	2009/04/01	00:19:06	57.8
838	2009/04/01	00:19:07	55.3
839	2009/04/01	00:19:08	55.6
840	2009/04/01	00:19:09	56.0
841	2009/04/01	00:19:10	56.3
842	2009/04/01	00:19:11	56.1
843	2009/04/01	00:19:12	57.0
844	2009/04/01	00:19:13	55.6
845	2009/04/01	00:19:14	56.3
846	2009/04/01	00:19:15	57.1
847	2009/04/01	00:19:16	56.3
848	2009/04/01	00:19:17	56.3
849	2009/04/01	00:19:18	56.3
850	2009/04/01	00:19:19	57.8
851	2009/04/01	00:19:20	57.1
852	2009/04/01	00:19:21	59.6
853	2009/04/01	00:19:22	59.0
854	2009/04/01	00:19:23	56.5
855	2009/04/01	00:19:24	56.8
856	2009/04/01	00:19:25	57.2
857	2009/04/01	00:19:26	57.4
858	2009/04/01	00:19:27	57.8
859	2009/04/01	00:19:28	60.7
860	2009/04/01	00:19:29	58.4
861	2009/04/01	00:19:30	66.1
862	2009/04/01	00:19:31	64.8
863	2009/04/01	00:19:32	61.5
864	2009/04/01	00:19:33	60.5
865	2009/04/01	00:19:34	60.0
866	2009/04/01	00:19:35	62.2
867	2009/04/01	00:19:36	58.8
868	2009/04/01	00:19:37	58.0
869	2009/04/01	00:19:38	57.8
870	2009/04/01	00:19:39	56.3
871	2009/04/01	00:19:40	61.0
872	2009/04/01	00:19:41	57.4
873	2009/04/01	00:19:42	56.5
874	2009/04/01	00:19:43	55.8
875	2009/04/01	00:19:44	56.5
876	2009/04/01	00:19:45	56.2
877	2009/04/01	00:19:46	55.9

878	2009/04/01	00:19:47	56.0
879	2009/04/01	00:19:48	56.5
880	2009/04/01	00:19:49	57.6
881	2009/04/01	00:19:50	57.1
882	2009/04/01	00:19:51	56.8
883	2009/04/01	00:19:52	56.7
884	2009/04/01	00:19:53	56.7
885	2009/04/01	00:19:54	56.6
886	2009/04/01	00:19:55	57.2
887	2009/04/01	00:19:56	55.8
888	2009/04/01	00:19:57	56.7
889	2009/04/01	00:19:58	56.6
890	2009/04/01	00:19:59	57.7
891	2009/04/01	00:20:00	56.5
892	2009/04/01	00:20:01	56.5
893	2009/04/01	00:20:02	56.0
894	2009/04/01	00:20:03	57.0
895	2009/04/01	00:20:04	56.7
896	2009/04/01	00:20:05	56.9
897	2009/04/01	00:20:06	57.1
898	2009/04/01	00:20:07	57.6
899	2009/04/01	00:20:08	57.2
900	2009/04/01	00:20:09	57.3

Noise Measurement 4

- Freq Weight : A
- Time Weight : FAST
- Level Range : 40-100
- Max dB : 67.7 - 2009/04/01 00:31:40
- Level Range : 40-100
- SEL : 89.6
- Leq : 60.1
-

No.s	Date Time	(dB)
1	2009/04/01 00:21:11	61.6
2	2009/04/01 00:21:12	60.2
3	2009/04/01 00:21:13	58.9
4	2009/04/01 00:21:14	59.6
5	2009/04/01 00:21:15	58.9
6	2009/04/01 00:21:16	60.4
7	2009/04/01 00:21:17	59.5
8	2009/04/01 00:21:18	60.1
9	2009/04/01 00:21:19	59.9
10	2009/04/01 00:21:20	61.3
11	2009/04/01 00:21:21	59.7
12	2009/04/01 00:21:22	59.8
13	2009/04/01 00:21:23	60.6
14	2009/04/01 00:21:24	59.0
15	2009/04/01 00:21:25	60.7
16	2009/04/01 00:21:26	60.5
17	2009/04/01 00:21:27	61.7
18	2009/04/01 00:21:28	61.1
19	2009/04/01 00:21:29	63.1
20	2009/04/01 00:21:30	62.3
21	2009/04/01 00:21:31	62.7
22	2009/04/01 00:21:32	59.0
23	2009/04/01 00:21:33	59.0
24	2009/04/01 00:21:34	58.7
25	2009/04/01 00:21:35	59.8
26	2009/04/01 00:21:36	59.2
27	2009/04/01 00:21:37	60.5
28	2009/04/01 00:21:38	60.1
29	2009/04/01 00:21:39	59.7
30	2009/04/01 00:21:40	60.6
31	2009/04/01 00:21:41	60.8
32	2009/04/01 00:21:42	60.8
33	2009/04/01 00:21:43	59.6
34	2009/04/01 00:21:44	58.5
35	2009/04/01 00:21:45	59.5
36	2009/04/01 00:21:46	58.7
37	2009/04/01 00:21:47	59.3
38	2009/04/01 00:21:48	59.1
39	2009/04/01 00:21:49	58.9
40	2009/04/01 00:21:50	58.6
41	2009/04/01 00:21:51	59.3
42	2009/04/01 00:21:52	59.1
43	2009/04/01 00:21:53	58.5
44	2009/04/01 00:21:54	59.1
45	2009/04/01 00:21:55	59.2
46	2009/04/01 00:21:56	60.2
47	2009/04/01 00:21:57	60.0
48	2009/04/01 00:21:58	60.5
49	2009/04/01 00:21:59	59.9
50	2009/04/01 00:22:00	60.0
51	2009/04/01 00:22:01	60.6
52	2009/04/01 00:22:02	59.8
53	2009/04/01 00:22:03	59.5
54	2009/04/01 00:22:04	59.7
55	2009/04/01 00:22:05	59.5
56	2009/04/01 00:22:06	60.6
57	2009/04/01 00:22:07	59.8
58	2009/04/01 00:22:08	59.2
59	2009/04/01 00:22:09	59.0
60	2009/04/01 00:22:10	58.4
61	2009/04/01 00:22:11	58.3
62	2009/04/01 00:22:12	58.1
63	2009/04/01 00:22:13	60.5
64	2009/04/01 00:22:14	59.0
65	2009/04/01 00:22:15	58.9
66	2009/04/01 00:22:16	58.7
67	2009/04/01 00:22:17	58.3
68	2009/04/01 00:22:18	58.2
69	2009/04/01 00:22:19	59.3
70	2009/04/01 00:22:20	59.0
71	2009/04/01 00:22:21	59.8
72	2009/04/01 00:22:22	61.3
73	2009/04/01 00:22:23	62.1
74	2009/04/01 00:22:24	60.8
75	2009/04/01 00:22:25	60.0
76	2009/04/01 00:22:26	60.8
77	2009/04/01 00:22:27	60.6
78	2009/04/01 00:22:28	60.7
79	2009/04/01 00:22:29	59.7
80	2009/04/01 00:22:30	60.1
81	2009/04/01 00:22:31	59.9
82	2009/04/01 00:22:32	59.1
83	2009/04/01 00:22:33	59.3
84	2009/04/01 00:22:34	59.5
85	2009/04/01 00:22:35	59.2

86	2009/04/01	00:22:36	60.6
87	2009/04/01	00:22:37	61.6
88	2009/04/01	00:22:38	62.1
89	2009/04/01	00:22:39	62.2
90	2009/04/01	00:22:40	63.4
91	2009/04/01	00:22:41	63.3
92	2009/04/01	00:22:42	62.7
93	2009/04/01	00:22:43	62.7
94	2009/04/01	00:22:44	63.1
95	2009/04/01	00:22:45	63.5
96	2009/04/01	00:22:46	62.6
97	2009/04/01	00:22:47	65.7
98	2009/04/01	00:22:48	64.9
99	2009/04/01	00:22:49	63.0
100	2009/04/01	00:22:50	64.8
101	2009/04/01	00:22:51	64.2
102	2009/04/01	00:22:52	65.3
103	2009/04/01	00:22:53	63.8
104	2009/04/01	00:22:54	63.5
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533	2009/04/01	00:30:03	57.8
534	2009/04/01	00:30:04	58.1
535	2009/04/01	00:30:05	58.3
536	2009/04/01	00:30:06	60.0
537	2009/04/01	00:30:07	60.5
538	2009/04/01	00:30:08	62.2
539	2009/04/01	00:30:09	61.4
540	2009/04/01	00:30:10	62.3
541	2009/04/01	00:30:11	62.3
542	2009/04/01	00:30:12	61.9
543	2009/04/01	00:30:13	62.7
544	2009/04/01	00:30:14	62.9
545	2009/04/01	00:30:15	62.3
546	2009/04/01	00:30:16	61.5
547	2009/04/01	00:30:17	63.2
548	2009/04/01	00:30:18	62.9
549	2009/04/01	00:30:19	65.1
550	2009/04/01	00:30:20	65.6
551	2009/04/01	00:30:21	64.8
552	2009/04/01	00:30:22	62.2
553	2009/04/01	00:30:23	62.8
554	2009/04/01	00:30:24	61.9
555	2009/04/01	00:30:25	62.4
556	2009/04/01	00:30:26	63.6
557	2009/04/01	00:30:27	60.9
558	2009/04/01	00:30:28	61.0
559	2009/04/01	00:30:29	60.5
560	2009/04/01	00:30:30	60.2
561	2009/04/01	00:30:31	60.8
562	2009/04/01	00:30:32	60.4
563	2009/04/01	00:30:33	60.3
564	2009/04/01	00:30:34	59.5
565	2009/04/01	00:30:35	60.1
566	2009/04/01	00:30:36	60.3
567	2009/04/01	00:30:37	60.1
568	2009/04/01	00:30:38	59.7
569	2009/04/01	00:30:39	61.3
570	2009/04/01	00:30:40	61.8
571	2009/04/01	00:30:41	61.6
572	2009/04/01	00:30:42	59.6
573	2009/04/01	00:30:43	58.2
574	2009/04/01	00:30:44	58.7
575	2009/04/01	00:30:45	58.0
576	2009/04/01	00:30:46	57.6
577	2009/04/01	00:30:47	58.8
578	2009/04/01	00:30:48	60.3
579	2009/04/01	00:30:49	58.6
580	2009/04/01	00:30:50	59.0

581	2009/04/01	00:30:51	58.9
582	2009/04/01	00:30:52	59.7
583	2009/04/01	00:30:53	59.6
584	2009/04/01	00:30:54	59.0
585	2009/04/01	00:30:55	57.8
586	2009/04/01	00:30:56	57.8
587	2009/04/01	00:30:57	57.9
588	2009/04/01	00:30:58	57.6
589	2009/04/01	00:30:59	56.7
590	2009/04/01	00:31:00	57.5
591	2009/04/01	00:31:01	58.5
592	2009/04/01	00:31:02	58.6
593	2009/04/01	00:31:03	59.5
594	2009/04/01	00:31:04	58.6
595	2009/04/01	00:31:05	58.0
596	2009/04/01	00:31:06	58.8
597	2009/04/01	00:31:07	58.7
598	2009/04/01	00:31:08	58.8
599	2009/04/01	00:31:09	57.6
600	2009/04/01	00:31:10	57.9
601	2009/04/01	00:31:11	57.8
602	2009/04/01	00:31:12	58.5
603	2009/04/01	00:31:13	57.9
604	2009/04/01	00:31:14	58.1
605	2009/04/01	00:31:15	58.0
606	2009/04/01	00:31:16	58.4
607	2009/04/01	00:31:17	58.9
608	2009/04/01	00:31:18	59.8
609	2009/04/01	00:31:19	61.0
610	2009/04/01	00:31:20	59.2
611	2009/04/01	00:31:21	59.2
612	2009/04/01	00:31:22	58.6
613	2009/04/01	00:31:23	58.2
614	2009/04/01	00:31:24	58.5
615	2009/04/01	00:31:25	58.7
616	2009/04/01	00:31:26	58.5
617	2009/04/01	00:31:27	57.2
618	2009/04/01	00:31:28	58.6
619	2009/04/01	00:31:29	58.6
620	2009/04/01	00:31:30	59.4
621	2009/04/01	00:31:31	58.8
622	2009/04/01	00:31:32	59.2
623	2009/04/01	00:31:33	58.4
624	2009/04/01	00:31:34	58.2
625	2009/04/01	00:31:35	58.3
626	2009/04/01	00:31:36	61.4
627	2009/04/01	00:31:37	61.4
628	2009/04/01	00:31:38	62.0
629	2009/04/01	00:31:39	64.8
630	2009/04/01	00:31:40	65.5
631	2009/04/01	00:31:41	64.9
632	2009/04/01	00:31:42	61.9
633	2009/04/01	00:31:43	63.5
634	2009/04/01	00:31:44	64.9
635	2009/04/01	00:31:45	63.7
636	2009/04/01	00:31:46	61.6
637	2009/04/01	00:31:47	62.2
638	2009/04/01	00:31:48	63.8
639	2009/04/01	00:31:49	63.1
640	2009/04/01	00:31:50	63.2
641	2009/04/01	00:31:51	64.1
642	2009/04/01	00:31:52	63.4
643	2009/04/01	00:31:53	62.3
644	2009/04/01	00:31:54	62.6
645	2009/04/01	00:31:55	61.4
646	2009/04/01	00:31:56	62.4
647	2009/04/01	00:31:57	63.2
648	2009/04/01	00:31:58	62.7
649	2009/04/01	00:31:59	60.0
650	2009/04/01	00:32:00	59.2
651	2009/04/01	00:32:01	57.9
652	2009/04/01	00:32:02	60.6
653	2009/04/01	00:32:03	60.0
654	2009/04/01	00:32:04	58.2
655	2009/04/01	00:32:05	58.2
656	2009/04/01	00:32:06	58.2
657	2009/04/01	00:32:07	57.8
658	2009/04/01	00:32:08	57.6
659	2009/04/01	00:32:09	58.5
660	2009/04/01	00:32:10	57.4
661	2009/04/01	00:32:11	58.2
662	2009/04/01	00:32:12	58.2
663	2009/04/01	00:32:13	58.0
664	2009/04/01	00:32:14	58.2
665	2009/04/01	00:32:15	57.6
666	2009/04/01	00:32:16	57.6
667	2009/04/01	00:32:17	57.7
668	2009/04/01	00:32:18	57.7
669	2009/04/01	00:32:19	59.4
670	2009/04/01	00:32:20	59.5
671	2009/04/01	00:32:21	58.3
672	2009/04/01	00:32:22	58.2
673	2009/04/01	00:32:23	58.4
674	2009/04/01	00:32:24	57.8
675	2009/04/01	00:32:25	57.5
676	2009/04/01	00:32:26	57.2
677	2009/04/01	00:32:27	57.4
678	2009/04/01	00:32:28	59.4
679	2009/04/01	00:32:29	59.2

680	2009/04/01 00:32:30	60.1
681	2009/04/01 00:32:31	60.5
682	2009/04/01 00:32:32	61.4
683	2009/04/01 00:32:33	63.3
684	2009/04/01 00:32:34	60.7
685	2009/04/01 00:32:35	60.2
686	2009/04/01 00:32:36	59.5
687	2009/04/01 00:32:37	62.6
688	2009/04/01 00:32:38	64.0
689	2009/04/01 00:32:39	65.3
690	2009/04/01 00:32:40	60.0
691	2009/04/01 00:32:41	60.6
692	2009/04/01 00:32:42	59.9
693	2009/04/01 00:32:43	60.1
694	2009/04/01 00:32:44	61.1
695	2009/04/01 00:32:45	62.7
696	2009/04/01 00:32:46	62.9
697	2009/04/01 00:32:47	61.2
698	2009/04/01 00:32:48	60.8
699	2009/04/01 00:32:49	59.5
700	2009/04/01 00:32:50	59.8
701	2009/04/01 00:32:51	58.9
702	2009/04/01 00:32:52	58.9
703	2009/04/01 00:32:53	58.6
704	2009/04/01 00:32:54	58.4
705	2009/04/01 00:32:55	58.6
706	2009/04/01 00:32:56	59.6
707	2009/04/01 00:32:57	60.0
708	2009/04/01 00:32:58	59.7
709	2009/04/01 00:32:59	62.1
710	2009/04/01 00:33:00	64.7
711	2009/04/01 00:33:01	65.8
712	2009/04/01 00:33:02	61.5
713	2009/04/01 00:33:03	62.5
714	2009/04/01 00:33:04	62.0
715	2009/04/01 00:33:05	62.9
716	2009/04/01 00:33:06	63.0
717	2009/04/01 00:33:07	61.9
718	2009/04/01 00:33:08	62.2
719	2009/04/01 00:33:09	62.0
720	2009/04/01 00:33:10	62.4
721	2009/04/01 00:33:11	62.2
722	2009/04/01 00:33:12	61.1
723	2009/04/01 00:33:13	61.0
724	2009/04/01 00:33:14	60.6
725	2009/04/01 00:33:15	60.1
726	2009/04/01 00:33:16	59.5
727	2009/04/01 00:33:17	59.1
728	2009/04/01 00:33:18	59.1
729	2009/04/01 00:33:19	58.9
730	2009/04/01 00:33:20	59.1
731	2009/04/01 00:33:21	58.8
732	2009/04/01 00:33:22	59.0
733	2009/04/01 00:33:23	58.5
734	2009/04/01 00:33:24	60.0
735	2009/04/01 00:33:25	58.8
736	2009/04/01 00:33:26	58.6
737	2009/04/01 00:33:27	58.7
738	2009/04/01 00:33:28	58.6
739	2009/04/01 00:33:29	58.3
740	2009/04/01 00:33:30	58.0
741	2009/04/01 00:33:31	58.1
742	2009/04/01 00:33:32	57.3
743	2009/04/01 00:33:33	58.0
744	2009/04/01 00:33:34	58.7
745	2009/04/01 00:33:35	59.7
746	2009/04/01 00:33:36	60.0
747	2009/04/01 00:33:37	59.6
748	2009/04/01 00:33:38	61.0
749	2009/04/01 00:33:39	61.3
750	2009/04/01 00:33:40	60.6
751	2009/04/01 00:33:41	59.5
752	2009/04/01 00:33:42	58.5
753	2009/04/01 00:33:43	59.3
754	2009/04/01 00:33:44	58.7
755	2009/04/01 00:33:45	58.2
756	2009/04/01 00:33:46	58.3
757	2009/04/01 00:33:47	58.8
758	2009/04/01 00:33:48	58.9
759	2009/04/01 00:33:49	59.0
760	2009/04/01 00:33:50	58.4
761	2009/04/01 00:33:51	57.2
762	2009/04/01 00:33:52	57.7
763	2009/04/01 00:33:53	57.8
764	2009/04/01 00:33:54	58.6
765	2009/04/01 00:33:55	58.3
766	2009/04/01 00:33:56	58.1
767	2009/04/01 00:33:57	57.7
768	2009/04/01 00:33:58	58.4
769	2009/04/01 00:33:59	58.0
770	2009/04/01 00:34:00	58.2
771	2009/04/01 00:34:01	57.9
772	2009/04/01 00:34:02	58.6
773	2009/04/01 00:34:03	58.9
774	2009/04/01 00:34:04	59.2
775	2009/04/01 00:34:05	59.7
776	2009/04/01 00:34:06	59.5
777	2009/04/01 00:34:07	60.0
778	2009/04/01 00:34:08	60.7

779	2009/04/01	00:34:09	60.9
780	2009/04/01	00:34:10	60.2
781	2009/04/01	00:34:11	60.0
782	2009/04/01	00:34:12	60.4
783	2009/04/01	00:34:13	58.7
784	2009/04/01	00:34:14	58.8
785	2009/04/01	00:34:15	58.9
786	2009/04/01	00:34:16	59.6
787	2009/04/01	00:34:17	59.2
788	2009/04/01	00:34:18	59.2
789	2009/04/01	00:34:19	59.1
790	2009/04/01	00:34:20	59.1
791	2009/04/01	00:34:21	58.7
792	2009/04/01	00:34:22	59.8
793	2009/04/01	00:34:23	60.8
794	2009/04/01	00:34:24	61.9
795	2009/04/01	00:34:25	61.8
796	2009/04/01	00:34:26	63.4
797	2009/04/01	00:34:27	61.7
798	2009/04/01	00:34:28	62.1
799	2009/04/01	00:34:29	62.1
800	2009/04/01	00:34:30	61.3
801	2009/04/01	00:34:31	62.1
802	2009/04/01	00:34:32	62.2
803	2009/04/01	00:34:33	61.7
804	2009/04/01	00:34:34	61.6
805	2009/04/01	00:34:35	62.2
806	2009/04/01	00:34:36	60.3
807	2009/04/01	00:34:37	61.1
808	2009/04/01	00:34:38	60.6
809	2009/04/01	00:34:39	59.9
810	2009/04/01	00:34:40	58.4
811	2009/04/01	00:34:41	59.1
812	2009/04/01	00:34:42	58.8
813	2009/04/01	00:34:43	58.4
814	2009/04/01	00:34:44	58.8
815	2009/04/01	00:34:45	59.2
816	2009/04/01	00:34:46	59.2
817	2009/04/01	00:34:47	59.5
818	2009/04/01	00:34:48	59.6
819	2009/04/01	00:34:49	59.3
820	2009/04/01	00:34:50	60.1
821	2009/04/01	00:34:51	59.1
822	2009/04/01	00:34:52	58.0
823	2009/04/01	00:34:53	59.0
824	2009/04/01	00:34:54	59.2
825	2009/04/01	00:34:55	58.4
826	2009/04/01	00:34:56	59.0
827	2009/04/01	00:34:57	59.0
828	2009/04/01	00:34:58	59.2
829	2009/04/01	00:34:59	58.1
830	2009/04/01	00:35:00	58.4
831	2009/04/01	00:35:01	58.0
832	2009/04/01	00:35:02	58.2
833	2009/04/01	00:35:03	57.7
834	2009/04/01	00:35:04	57.2
835	2009/04/01	00:35:05	56.4
836	2009/04/01	00:35:06	57.4
837	2009/04/01	00:35:07	56.8
838	2009/04/01	00:35:08	57.0
839	2009/04/01	00:35:09	56.7
840	2009/04/01	00:35:10	57.0
841	2009/04/01	00:35:11	56.9
842	2009/04/01	00:35:12	56.3
843	2009/04/01	00:35:13	56.1
844	2009/04/01	00:35:14	56.1
845	2009/04/01	00:35:15	56.4
846	2009/04/01	00:35:16	58.1
847	2009/04/01	00:35:17	57.4
848	2009/04/01	00:35:18	58.1
849	2009/04/01	00:35:19	57.1
850	2009/04/01	00:35:20	57.3
851	2009/04/01	00:35:21	57.8
852	2009/04/01	00:35:22	57.6
853	2009/04/01	00:35:23	58.4
854	2009/04/01	00:35:24	59.5
855	2009/04/01	00:35:25	60.4
856	2009/04/01	00:35:26	61.7
857	2009/04/01	00:35:27	60.5
858	2009/04/01	00:35:28	60.7
859	2009/04/01	00:35:29	60.4
860	2009/04/01	00:35:30	63.3
861	2009/04/01	00:35:31	62.9
862	2009/04/01	00:35:32	63.9
863	2009/04/01	00:35:33	62.8
864	2009/04/01	00:35:34	60.3
865	2009/04/01	00:35:35	61.5
866	2009/04/01	00:35:36	59.5
867	2009/04/01	00:35:37	57.8
868	2009/04/01	00:35:38	58.2
869	2009/04/01	00:35:39	56.9
870	2009/04/01	00:35:40	57.7
871	2009/04/01	00:35:41	60.5
872	2009/04/01	00:35:42	64.5
873	2009/04/01	00:35:43	63.6
874	2009/04/01	00:35:44	60.4
875	2009/04/01	00:35:45	59.5
876	2009/04/01	00:35:46	57.4
877	2009/04/01	00:35:47	56.2

878	2009/04/01	00:35:48	57.1
879	2009/04/01	00:35:49	56.7
880	2009/04/01	00:35:50	56.9
881	2009/04/01	00:35:51	57.2
882	2009/04/01	00:35:52	57.3
883	2009/04/01	00:35:53	56.9
884	2009/04/01	00:35:54	57.2
885	2009/04/01	00:35:55	58.0
886	2009/04/01	00:35:56	58.0
887	2009/04/01	00:35:57	58.3
888	2009/04/01	00:35:58	58.5
889	2009/04/01	00:35:59	58.8
890	2009/04/01	00:36:00	59.8
891	2009/04/01	00:36:01	60.3
892	2009/04/01	00:36:02	59.5
893	2009/04/01	00:36:03	62.8
894	2009/04/01	00:36:04	61.4
895	2009/04/01	00:36:05	60.2
896	2009/04/01	00:36:06	58.3
897	2009/04/01	00:36:07	57.4
898	2009/04/01	00:36:08	57.9
899	2009/04/01	00:36:09	57.7
900	2009/04/01	00:36:10	57.5

Casto Valley Sanitary District Corporate Yard Project

Alameda County, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Light Industry	13.14	1000sqft	1.00	13,140.00	0
General Light Industry	0.50	1000sqft	0.50	500.00	0
Parking Lot	50.00	Space	0.45	20,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	63
Climate Zone	5			**Operational Year**	2020
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity (lb/MWhr)	641.35	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - project summary table

Construction Phase - Arch coating changed to occuring during building cons. for realistic scenario

Demolition - Estimated from google earth 10,700 sf

	ROG	NOx	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	Demolition	Demolition	1/1/2019	1/28/2019	5	20	
2	Site Preparation	Site Preparation	1/29/2019	1/30/2019	5	2	
3	Grading	Grading	1/31/2019	2/5/2019	5	4	
4	Building Construction	Building Construction	2/6/2019	11/12/2019	5	200	
5	Paving	Paving	11/13/2019	11/26/2019	5	10	
6	Architectural Coating	Architectural Coating	7/22/2019	12/6/2019	5	100	

Acres of Grading (Site Preparation Phase): 1

Acres of Grading (Grading Phase): 1.5

Acres of Paving: 0.45

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 20,460; Non-Residential Outdoor: 6,820; Striped Parking Area: 1,200 (Architectural Coating – sqft)

OffRoad Equipment

Casto Valley Sanitary District Corporate Yard Project - Alameda County, Winter

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Rubber Tired Dozers	1	8.00	247	0.40
Demolition	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Site Preparation	Graders	1	8.00	187	0.41
Site Preparation	Rubber Tired Dozers	1	7.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Grading	Graders	1	6.00	187	0.41
Grading	Rubber Tired Dozers	1	6.00	247	0.40
Grading	Tractors/Loaders/Backhoes	1	7.00	97	0.37
Building Construction	Cranes	1	6.00	231	0.29
Building Construction	Forklifts	1	6.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Building Construction	Welders	3	8.00	46	0.45
Paving	Cement and Mortar Mixers	1	6.00	9	0.56
Paving	Pavers	1	6.00	130	0.42
Paving	Paving Equipment	1	8.00	132	0.36
Paving	Rollers	1	7.00	80	0.38
Paving	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Roadway Construction Noise Model (RCNM),Version 1.1

Report dat 10/26/2018
Case Descr CVSan - Site Preparation

		---- Receptor #1 ----		
		Baselines (dBA)		
Description	Land Use	Daytime	Evening	Night
Mobile Hor	Residential	68.7	55	45

			Equipment			
			Spec	Actual	Receptor	Estimated
	Impact		Lmax	Lmax	Distance	Shielding
Description	Device	Usage(%)	(dBA)	(dBA)	(feet)	(dBA)
Grader	No	40	85		25	0
Dozer	No	40		81.7	25	0
Backhoe	No	40		77.6	25	0

			Results				
	Calculated (dBA)		Noise Limits (dBA)				
			Day		Evening		Night
Equipment	*Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax
Grader	91	87	N/A	N/A	N/A	N/A	N/A
Dozer	87.7	83.7	N/A	N/A	N/A	N/A	N/A
Backhoe	83.6	79.6	N/A	N/A	N/A	N/A	N/A
Total	91	89.2	N/A	N/A	N/A	N/A	N/A

*Calculated Lmax is the Loudest value.

Roadway Construction Noise Model (RCNM),Version 1.1

Report dat 10/26/2018
Case Descr CVSan - Paving

			---- Receptor #1 ----		
	Baselines (dBA)				
Descriptior	Land Use	Daytime	Evening	Night	
Mobile Hor	Residential	68.7	55	45	

			Equipment Spec	Actual	Receptor	Estimated
	Impact		Lmax	Lmax	Distance	Shielding
Description	Device	Usage(%)	(dBA)	(dBA)	(feet)	(dBA)
Paver	No	50		77.2	25	0
Concrete Mixer Truck	No	40		78.8	25	0
Roller	No	20		80	25	0
Backhoe	No	40		77.6	25	0
Pavement Scarafier	No	20		89.5	25	0

			Results				
	Calculated (dBA)		Noise Limits (dBA)				
			Day		Evening		Night
Equipment	*Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax
Paver	83.2	80.2	N/A	N/A	N/A	N/A	N/A
Concrete Mixer Truck	84.8	80.8	N/A	N/A	N/A	N/A	N/A
Roller	86	79	N/A	N/A	N/A	N/A	N/A
Backhoe	83.6	79.6	N/A	N/A	N/A	N/A	N/A
Pavement Scarafier	95.5	88.5	N/A	N/A	N/A	N/A	N/A
Total	95.5	90.5	N/A	N/A	N/A	N/A	N/A

*Calculated Lmax is the Loudest value.

Roadway Construction Noise Model (RCNM),Version 1.1

Report dat 10/26/2018
Case Descr CVSan - Grading

		---- Receptor #1 ----		
	Baselines (dBA)			
Descriptior	Land Use	Daytime	Evening	Night
Mobile Hor	Residential	68.7	55	45

			Equipment			
			Spec	Actual	Receptor	Estimated
	Impact		Lmax	Lmax	Distance	Shielding
Description	Device	Usage(%)	(dBA)	(dBA)	(feet)	(dBA)
Grader	No	40	85		25	0
Dozer	No	40		81.7	25	0
Backhoe	No	40		77.6	25	0

			Results				
	Calculated (dBA)		Noise Limits (dBA)				
			Day		Evening		Night
Equipment	*Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax
Grader	91	87	N/A	N/A	N/A	N/A	N/A
Dozer	87.7	83.7	N/A	N/A	N/A	N/A	N/A
Backhoe	83.6	79.6	N/A	N/A	N/A	N/A	N/A
Total	91	89.2	N/A	N/A	N/A	N/A	N/A

*Calculated Lmax is the Loudest value.

Roadway Construction Noise Model (RCNM),Version 1.1

Report dat 10/26/2018
Case Descr CVSan - Demolition

		Baselines (dBA)			---- Receptor #1 ----
Description	Land Use	Daytime	Evening	Night	
Mobile Hor	Residential	68.7	55	45	

Description	Impact Device	Usage(%)	Equipment Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)
Concrete Saw	No	20		89.6	25	0
Dozer	No	40		81.7	25	0
Backhoe	No	40		77.6	25	0
Backhoe	No	40		77.6	25	0
Backhoe	No	40		77.6	25	0

	Calculated (dBA)		Results	Noise Limits (dBA)			
			Day		Evening		Night
Equipment	*Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax
Concrete Saw	95.6	88.6	N/A	N/A	N/A	N/A	N/A
Dozer	87.7	83.7	N/A	N/A	N/A	N/A	N/A
Backhoe	83.6	79.6	N/A	N/A	N/A	N/A	N/A
Backhoe	83.6	79.6	N/A	N/A	N/A	N/A	N/A
Backhoe	83.6	79.6	N/A	N/A	N/A	N/A	N/A
Total	95.6	90.9	N/A	N/A	N/A	N/A	N/A

*Calculated Lmax is the Loudest value.

Roadway Construction Noise Model (RCNM),Version 1.1

Report dat 10/26/2018
Case Descr CVSan - Building Construction

			---- Receptor #1 ----		
	Baselines (dBA)				
Descriptior	Land Use	Daytime	Evening	Night	
Mobile Hor	Residential	68.7	55	45	

Description	Impact Device	Usage(%)	Equipment Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)
Crane	No	16		80.6	25	0
Man Lift	No	20		74.7	25	0
Tractor	No	40	84		25	0
Welder / Torch	No	40		74	25	0
Welder / Torch	No	40		74	25	0
Welder / Torch	No	40		74	25	0
Generator	No	50		80.6	25	0

	Calculated (dBA)		Results	Noise Limits (dBA)			
			Day		Evening		Night
Equipment	*Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax
Crane	86.6	78.6	N/A	N/A	N/A	N/A	N/A
Man Lift	80.7	73.7	N/A	N/A	N/A	N/A	N/A
Tractor	90	86	N/A	N/A	N/A	N/A	N/A
Welder / Torch	80	76	N/A	N/A	N/A	N/A	N/A
Welder / Torch	80	76	N/A	N/A	N/A	N/A	N/A
Welder / Torch	80	76	N/A	N/A	N/A	N/A	N/A
Generator	86.7	83.6	N/A	N/A	N/A	N/A	N/A
Total	90	89.3	N/A	N/A	N/A	N/A	N/A

*Calculated Lmax is the Loudest value.

Roadway Construction Noise Model (RCNM),Version 1.1

Report dat 10/26/2018
Case Descr CVSan - Architectural Coating

				---- Receptor #1 ----			
	Baselines (dBA)						
Descriptior	Land Use	Daytime	Evening	Night			
Mobile Hor	Residential	68.7	55	45			

			Equipment			
			Spec	Actual	Receptor	Estimated
	Impact		Lmax	Lmax	Distance	Shielding
Description	Device	Usage(%)	(dBA)	(dBA)	(feet)	(dBA)
Compressor (air)	No	40		77.7	25	0

			Results				
	Calculated (dBA)			Noise Limits (dBA)			
			Day		Evening		Night
Equipment	*Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax
Compressor (air)	83.7	79.7	N/A	N/A	N/A	N/A	N/A
Total	83.7	79.7	N/A	N/A	N/A	N/A	N/A

*Calculated Lmax is the Loudest value.

AA Series Silencers

VP00-60H with AA2 silencer

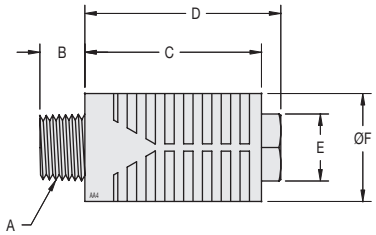
AA Series silencers have excellent noise reducing characteristics with minimal resistance to air flow. AA Series silencers are one third smaller than comparable products, providing considerable space savings. The large surface of the felt element resists contamination far more than other materials such as sintered bronze, steel mesh or porous polyethylene.

Features:

- Compact
- Lightweight
- Durable
- 4 Thread sizes 1/8, 1/4, 3/8, 1/2
- Closed-end silencer

Benefits:

- Maximize performance – silences pneumatic equipment without back pressure.
- Increase productivity and operator safety – reduces irritating noise, improves working environment
- Closed-end silencer – contaminants can't escape
  - ~ maintains clean environment
  - ~ reduces maintenance costs
  - ~ increases equipment life



Model #		Dimensions						Weight	Construction				Noise Level
		A*	B	C	D	E	F		Body	Baffle	Screen	Element	
AA2	in.	1/8	0.23	0.97	1.08	0.39	0.61	0.1 oz	Nylon	Nylon	Nylon	Felt	58dB
	mm.		5.8	24.6	27.4	9.91	15.5	3g					
AA4	in.	1/4	0.32	1.26	1.39	0.47	0.77	0.2 oz					62dB
	mm.		8.1	32.0	35.3	11.94	19.6	6g					
AA6	in.	3/8	0.41 [10.4]	1.74 [44.2]	1.86 [47.2]	0.62 [15.75]	0.96 [24.4]	0.4 oz [11g]					70dB
	mm.												
AA8	in.	1/2											72dB
	mm.												

**Fits NPT, BSPP and BSPT threads.*

AA Series Silencers Operating Specifications:

Max. Operating Pressure: Not to exceed 150 PSI [10 bar]

Noise level: Measured 4.5 ft on the diagonal from the silencer while attached to a Vaccon pump. Noise levels will vary on Vaccon and non-Vaccon products.

Note 1: Vaccon strongly recommends the use of silencers on all vacuum pumps.

Note 2: Vaccon silencers are used on all types of pneumatic devices such as air-operated vacuum pumps, air motors, valves, cylinders and more.

How to Specify:

- **For Silencer only:** Order by Model #.
- **Vaccon pump/silencer combinations:** Vaccon pumps include a silencer(s) that has been sized to ensure maximum pump performance. See specific pump for silencer options.
- **Non-Vaccon pneumatic devices:** The thread size on the exhaust port of the pneumatic device determines the size of the silencer.
- Equipment and applications may vary. Consult factory for proper silencer selection.

ST Series Silencers

ST Silencers - male and female threads

VDF 250-ST4A-2

Features:

- Straight-through design
- Felt liner provides low frequency sound
- Male and female connections
- 18 models

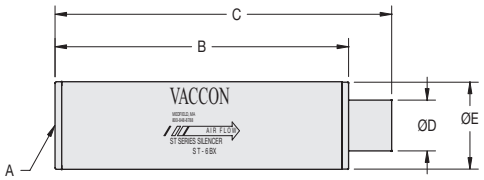
Benefits:

- Reliable – straight through design – non-clogging
- Maximize performance – silences pneumatic equipment without back pressure
- Increase productivity and operator safety
- Reduces irritating noise, improves working environment
- Increase savings – reduces maintenance costs, increases equipment life

The ST Series Silencers are designed with a straight through flow path that eliminates clogging by allowing the contaminants to pass directly through the silencer. Each silencer is tuned in proportion to its exhaust flow to minimize noise.

As air passes through the silencer, the dense felt element absorbs the noise, thus reducing high pitch exhaust noise to a gentle, low frequency sound. Even in the most adverse conditions, contaminates pass through the silencer making the ST Series ideal for silencing vacuum pumps that are continuously ingesting dirt and debris.

ST Series Silencers: Female Threads



ST Series - female threads

Model #		Dimensions					Weight	Construction		Noise Level
		A	B	C	D	E		Body	Element	
ST4AX	in.	1/4" NPT F	3.19	3.56	0.50 [12.7]	1.00 [25.4]	1.8 oz	Anodized Aluminum	Felt	75dB
	mm.		81.0	90.4			51g			
ST6BX	in.	3/8" NPT F	4.19	4.82	0.72 [18.3]	1.25 [38.1]	3.4 oz			77dB
	mm.		106.4	122.4			96g			
ST8BX	in.	1/2" NPT F	4.19	4.80	.73 [18.5]	1.25 [31.8]	3.1 oz			76dB
	mm.		106.4	121.9			88g			
ST16FC	in.	1" NPT F	6.39	7.14	1.25 [31.8]	2.00 [50.8]	7.6 oz			80dB
	mm.		162.3	181.4			215g			
ST24FC	in.	1 1/2" NPT F	7.10	7.85			7.9 oz			82dB
	mm.		180.3	199.4			224g			

ST Series Silencers Specifications:

Max. Operating Pressure: Not to exceed 150 PSI

Noise level: Measured 4.5 ft on the diagonal from the silencer while attached to a Vaccon pump. Noise levels will vary on Vaccon and non-Vaccon products.

Note 1: Vaccon strongly recommends the use of silencers on all vacuum pumps.

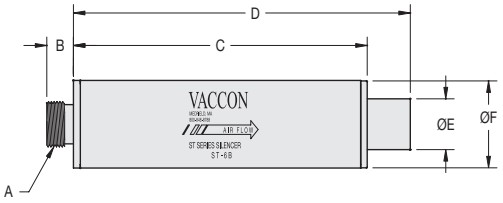
Note 2: Vaccon silencers are used on all types of pneumatic devices i.e. air-operated vacuum pumps, air motors, valves, cylinders and more.

Note 3: ST Silencers may be used on all Vaccon vacuum pumps.

How to Specify:

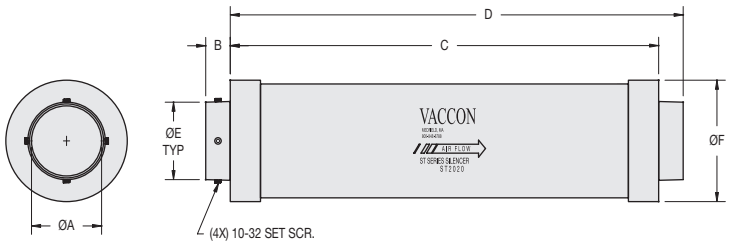
- **For Silencer only:** Order by Model #.
- **Vaccon pump/silencer combinations:** Vaccon pumps include a silencer(s) that has been sized to ensure maximum pump performance. See specific pump for silencer options.
- **Non-Vaccon pneumatic devices:** The thread size on the exhaust port of the pneumatic device determines the size of the silencer.
- Equipment and applications may vary. Consult factory for proper silencer selection.

ST Series Silencers: Male Threads



Model #		Dimensions						Weight	Construction		Noise Level
		A	B	C	D	E	F		Body	Element	
ST2	in.	1/8" NPS M	0.30	0.63	1.00	0.20	0.44	0.2 oz	Acetal	N/A	68dB
	mm.		7.6	16.0	25.4	5.1	11.2	6g			
ST4	in.	1/4" NPS M		1.49	1.86	0.35	0.75	0.6 oz		Felt	
	mm.			37.8	47.2	8.9	19.1	17g			
ST4A	in.		0.37	3.19	3.56	0.50 [12.7]	1.00 25.4	1.8 oz	Anodized Aluminum		70dB
	mm.		9.4	81.0	90.4			51g			
ST4A-2	in.			2.18	2.56			1.4 oz			72dB
	mm.			55.4	65.0			40g			
ST6A	in.	3/8" NPS M	0.38 9.7	3.19	3.56			1.8 oz			
	mm.			81.0	90.4			51g			
ST6B	in.			4.19	4.82	0.72	1.25	3.1 oz			
	mm.			106.4	122.4	18.3	31.8	88g			
ST8A	in.	1/2" NPS M		3.19	3.56	0.50	1.00	1.8 oz			74dB
	mm.			81.0	90.4	12.7	25.4	51g			
ST8B	in.			4.19	4.82	0.72	1.25	3.1 oz			76dB
	mm.			106.4	122.4	18.3	31.8	88g			
ST12C	in.	3/4" NPS M	0.34	6.18 [157.0]	6.93 [176.0]	1.25 [31.8]	2.00 [50.8]	7.8 oz			80dB
	mm.		8.6					221g			
ST16C	in.	1" NPS M	0.50					7.7 oz			
	mm.		12.7					218g			

Note: All NPS threads fit G Port threads



Model #		Dimensions						Weight	Construction		Noise Level
		A	B	C	D	E	F		Body	Element	
ST2020	in.	Ø 1.99	0.70 17.8	12.23 310.6	12.93 328.4	2.21 56.1	3.46 87.9	11 oz	PVC	Foam	82dB
	mm.							311g			
ST2020-5	in.	Ø 1.24						13.3 oz			
	mm.							377g			
ST2020-7	in.	Ø 1.49						12.7 oz			
	mm.							360g			

STAA Series Silencers

VP10-100H-STAA4

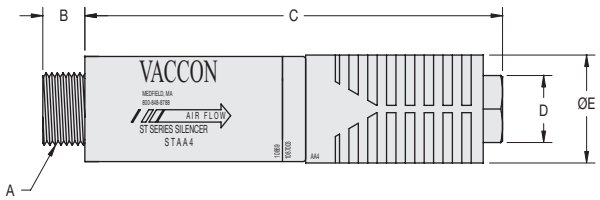
Features:

- Compact
- Lightweight
- Durable
- Ultra quiet operation
- 2 Thread sizes 1/4, 3/8 NPT

Benefits:

- Maximize performance – silences pneumatic equipment without back pressure.
- Increase productivity and operator safety
- Reduces irritating high pitch frequency noise
- Improves working environment
- Maintain clean environment – reduces maintenance costs, increases equipment life

A hybrid silencer that offers increased noise reduction by combining an ST silencer with an AA silencer. The (closed-end) AA silencer is attached to the end of a modified ST silencer, thus removing the flow through feature of the standard ST Series silencers.



Model #		Dimensions					Weight	Construction				Noise Level
		A	B	C	D	E		Body	Baffle	Screen	Element	
STAA4	in.	1/4 NPSM	0.30	2.96	0.48	0.47	0.7 oz	Acetal/ Nylon	Felt/ Nylon	Nylon	Felt	58dB
	mm.		7.6	75.2	12.2	11.9	20g					
STAA6	in.	3/8 NPSM	0.38	5.15	0.63	0.62	1.8 oz	Aluminum/ Nylon				64dB
	mm.		9.7	130.8	16.0	15.7	51g					

STAA Series Silencers Specifications:

Max. Operating Pressure: Not to exceed 150 PSI [10 bar]

Noise level: Measured 4.5 ft on the diagonal from the silencer while attached to a Vaccon pump. Noise levels will vary on Vaccon and non-Vaccon products.

Note 1: Vaccon strongly recommends the use of silencers on all vacuum pumps.

Note 2: Vaccon silencers are used on all types of pneumatic devices i.e. air-operated vacuum pumps, air motors, valves, cylinders and more.

How to Specify:

- **For Silencer only:** Order by Model #.
- **Vaccon pump/silencer combinations:** Vaccon pumps include a silencer(s) that has been sized to ensure maximum pump performance. See specific pump for silencer options.
- **Non-Vaccon pneumatic devices:** The thread size on the exhaust port of the pneumatic device determines the size of the silencer.
- Equipment and applications may vary. Consult factory for proper silencer selection.

FA-51 Series Silencers

FA-51-1/2

RF-51 – replacement element for all FA-51 silencers

JS-350-FA-51-1/2

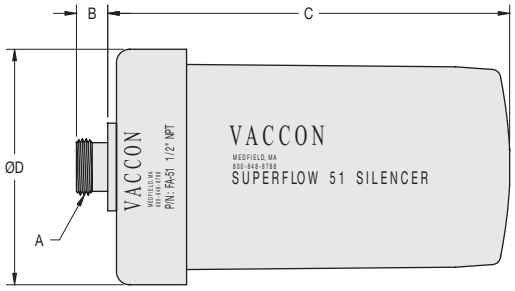
Features:

- Closed-end
- 3 Thread sizes 1/4, 3/8, 1/2
- Replacement elements available

Benefits:

- Safe – closed-end high flows won't cause potentially dangerous projectiles
- Quiets large vacuum pumps, valves, cylinders, air motors, and more
- Durable – more area inside to absorb sound and debris
- Economical – lasts longer, lower cost, replacement elements available
- Reliable – no back pressure on high flow applications
- Maintain clean environment – reduces maintenance costs, increases equipment life

The FA-51 Series silencers offer remarkable noise reduction for high volume exhaust applications without causing back pressure. These silencers are ideal for quieting large air valves that must exhaust quickly to maintain high cycle rates. Vaccon uses the FA-51 silencers on all high flow venturi vacuum pumps where even a small amount of back pressure would decrease performance.



Model #		Dimensions				Weight	Construction				Noise Level
		A	B	C	D		Body	Baffle	Screen	Element	
FA-51-1/4	in.	1/4 NPS M	0.30	5.74 [145.8]	3.36 [85.3]	12.7 oz [357g]	Steel	Foam	Steel	Paper	72dB
	mm.		7.6								
FA-51-3/8	in.	3/8 NPS M	0.38								
	mm.		9.6								
FA-51-1/2	in.	1/2 NPS M	0.38								
	mm.		9.6								
RF-51	in.	N/A	N/A	4.76	3.03	6.2 oz					
	mm.		N/A	120.9	77.0	176g					

FA-51 Series Silencers Operating Specifications:

Max. Operating Pressure: Not to exceed 150 PSI [10 bar]

Noise level: Measured 4.5 ft on the diagonal from the silencer while attached to a Vaccon pump. Noise levels will vary on Vaccon and non-Vaccon products.

Note 1: Vaccon strongly recommends the use of silencers on all vacuum pumps.

Note 2: Vaccon silencers are used on all types of pneumatic devices i.e. air-operated vacuum pumps, air motors, valves, cylinders and more.

How to Specify:

- **For Silencer only:** Order by Model #.
- **Vaccon pump/silencer combinations:** Vaccon pumps include a silencer(s) that has been sized to ensure maximum pump performance. See specific pump for silencer options.
- **Non-Vaccon pneumatic devices:** The thread size (1/4, 3/8, 1/2) on the exhaust port of the pneumatic device determines the size of the silencer i.e. FA-51-**1/4**
- **P/N: RF-51 - Replacement Element:** Fits all FA-51 models
- Equipment and applications may vary. Consult factory for proper silencer selection.

Barrier Performance Module

This module provides to the user a measure on the barrier's effectiveness on noise reduction. A list of the input/output variables and their definitions, as well as illustrations of different scenarios are provided.

Calculator

View Day/Night Noise Level Calculator (/programs/environmental-review/dnl-calculator/)

View Descriptions of the Input/Output variables.

Note: Tool tips, containing field specific information, have been added in this tool and may be accessed by hovering over the Input and Output variables with the mouse.

WARNING: If there is direct line-of-sight between the Source and the Observer, the module will report erroneous attenuation. "Direct line-of-sight" means if the 5' tall Observer can see the noise Source (cars, trucks, trains, etc.) over the Barrier (wall, hill/excavation, building, etc.), the current version of Barrier Performance Module will not accurately calculate the attenuation provided. In this instance, there is unlikely to be any appreciable attenuation.

Road/Rail Site DNL:

Note: Barrier height must block the line of sight

Input Data

H	238	**R^1**	50
S	232	**D^1**	25
O	236	**α**	180

Calculate Output

Output Data

h	3	**R**	50
D	25	**FS**	9.113

New Site DNL:

-9.113

Refresh

Barrier Performance Module

This module provides to the user a measure on the barrier's effectiveness on noise reduction. A list of the input/output variables and their definitions, as well as illustrations of different scenarios are provided.

Calculator

View Day/Night Noise Level Calculator (/programs/environmental-review/dnl-calculator/)

View Descriptions of the Input/Output variables.

Note: Tool tips, containing field specific information, have been added in this tool and may be accessed by hovering over the Input and Output variables with the mouse.

WARNING: If there is direct line-of-sight between the Source and the Observer, the module will report erroneous attenuation. "Direct line-of-sight" means if the 5' tall Observer can see the noise Source (cars, trucks, trains, etc.) over the Barrier (wall, hill/excavation, building, etc.), the current version of Barrier Performance Module will not accurately calculate the attenuation provided. In this instance, there is unlikely to be any appreciable attenuation.

Road/Rail Site DNL:

Note: Barrier height must block the line of sight

Input Data

H	231	**R^1**	50
S	229	**D^1**	25
O	229	**α**	180

Calculate Output

Output Data

h	2	**R**	50
D	25	**FS**	7.6399

New Site DNL:

-7.6399

Refresh

Barrier Performance Module

This module provides to the user a measure on the barrier's effectiveness on noise reduction. A list of the input/output variables and their definitions, as well as illustrations of different scenarios are provided.

Calculator

View Day/Night Noise Level Calculator (/programs/environmental-review/dnl-calculator/)

View Descriptions of the Input/Output variables.

Note: Tool tips, containing field specific information, have been added in this tool and may be accessed by hovering over the Input and Output variables with the mouse.

WARNING: If there is direct line-of-sight between the Source and the Observer, the module will report erroneous attenuation. "Direct line-of-sight" means if the 5' tall Observer can see the noise Source (cars, trucks, trains, etc.) over the Barrier (wall, hill/excavation, building, etc.), the current version of Barrier Performance Module will not accurately calculate the attenuation provided. In this instance, there is unlikely to be any appreciable attenuation.

Road/Rail Site DNL:

Note: Barrier height must block the line of sight

Input Data

H	231	**R^1**	50
S	229	**D^1**	25
O	226	**α**	180

Calculate Output

Output Data

h	4	**R**	50
D	25	**FS**	10.3245

New Site DNL:

-10.3245

Refresh

Appendix E

AB 52 Consultation Correspondence

October 29, 2018

Amah Mutsun Tribal Band of Mission San Juan Bautista
Irenne Zwierlein, Chairperson
789 Canada Road
Woodside, CA 94062

Timothy McGowan
President

Daniel M. Akagi
President Pro Tem

Dave Sadoff
Secretary

Ralph Johnson
Secretary Pro Tem

Melody Appleton
Board Member

Roland P. Williams, Jr.
General Manager

Subject: AB 52 Consultation, Castro Valley Sanitary District Corporate Yard Project, Castro Valley, Alameda County, California

Dear Chairperson Zwierlein:

The Castro Valley Sanitary District (CVSan) is preparing an Initial Study/Mitigated Negative Declaration (ISMND) for the proposed CVSan Corporate Yard Project, located at 21195 Center St., Castro Valley, CA 94546. The proposed project is subject to the California Environmental Quality Act (CEQA). The proposed project involves the demolition of existing on-site structures and development of a new corporate yard facility. The corporate yard facility would include an approximately 13,140 square-foot, two-story building that would provide office space and other facilities such as equipment storage, conference rooms, amenities for employees (i.e.: kitchen, break room, shower, and lockers), and a public counter for the CVSan Engineering Department. The project would also include vehicle maintenance facilities, a workshop, materials storage areas in the same corporate yard building, and an associated surface parking lot. The plans would also include a separate hazardous material building to house chemical products, such as paint and emergency fuel.

The proposed project must comply with California Public Resources Code § 21080.3.1 (Assembly Bill [AB] 52 of 2014), which requires local governments to conduct meaningful consultation with California Native American tribes that have requested to be notified by lead agencies of proposed projects in the geographic area with which the tribe is traditionally and culturally affiliated. The input of the Amah Mutsun Tribal Band of Mission San Juan Bautista is important to the CVSan's planning process. Under AB 52, you have 30 days from receipt of this letter to respond in writing, if you wish you consult on the proposed project. If you require any additional information or have any questions, please contact me at (510) 537-0757 or via e-mail at landon@cvsan.org. Thank you for your assistance.

21040 MARSHALL STREET, CASTRO VALLEY, CA 94546-6020 | (510) 537-0757 | FAX (510) 537-1312 | www.cvsan.org

Sincerely,

Landon Lochrie
Associate Engineer
Castro Valley Sanitary District

Enclosure: Project Location Map

Timothy McGowan
President

Daniel M. Akagi
President Pro Tem

Dave Sadoff
Secretary

Ralph Johnson
Secretary Pro Tem

Melody Appleton
Board Member

Roland P. Williams, Jr.
General Manager

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October 29, 2018

Costanoan Rumsen Carmel Tribe
Tony Cerda, Chairperson
244 E. 1st Street
Pomona, CA 91766

Timothy McGowan
President

Daniel M. Akagi
President Pro Tem

Dave Sadoff
Secretary

Ralph Johnson
Secretary Pro Tem

Melody Appleton
Board Member

Roland P. Williams, Jr.
General Manager

Subject: AB 52 Consultation, Castro Valley Sanitary District Corporate Yard Project, Castro Valley, Alameda County, California

Dear Chairperson Cerda:

The Castro Valley Sanitary District (CVSan) is preparing an Initial Study/Mitigated Negative Declaration (ISMND) for the proposed CVSan Corporate Yard Project, located at 21195 Center St., Castro Valley, CA 94546. The proposed project is subject to the California Environmental Quality Act (CEQA). The proposed project involves the demolition of existing on-site structures and development of a new corporate yard facility. The corporate yard facility would include an approximately 13,140 square-foot, two-story building that would provide office space and other facilities such as equipment storage, conference rooms, amenities for employees (i.e.: kitchen, break room, shower, and lockers), and a public counter for the CVSan Engineering Department. The project would also include vehicle maintenance facilities, a workshop, materials storage areas in the same corporate yard building, and an associated surface parking lot. The plans would also include a separate hazardous material building to house chemical products, such as paint and emergency fuel.

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S:\Center Street Property\2018\Environmental\Initial Study\Rincon\AB 52 Documents\AB 52 Letters_2018-10-29.docx

Sincerely,

Landon Lochrie
Associate Engineer
Castro Valley Sanitary District

Enclosure: Project Location Map

Timothy McGowan
President

Daniel M. Akagi
President Pro Tem

Dave Sadoff
Secretary

Ralph Johnson
Secretary Pro Tem

Melody Appleton
Board Member

Roland P. Williams, Jr.
General Manager

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October 29, 2018

Indian Canyon Mutsun Band of Costanoan
Ann Marie Sayers, Chairperson
P.O. Box 28
Hollister, CA 95024

Timothy McGowan
President

Daniel M. Akagi
President Pro Tem

Dave Sadoff
Secretary

Ralph Johnson
Secretary Pro Tem

Melody Appleton
Board Member

Roland P. Williams, Jr.
General Manager

Subject: AB 52 Consultation, Castro Valley Sanitary District Corporate Yard Project, Castro Valley, Alameda County, California

Dear Chairperson Sayers:

The Castro Valley Sanitary District (CVSan) is preparing an Initial Study/Mitigated Negative Declaration (ISMND) for the proposed CVSan Corporate Yard Project, located at 21195 Center St., Castro Valley, CA 94546. The proposed project is subject to the California Environmental Quality Act (CEQA). The proposed project involves the demolition of existing on-site structures and development of a new corporate yard facility. The corporate yard facility would include an approximately 13,140 square-foot, two-story building that would provide office space and other facilities such as equipment storage, conference rooms, amenities for employees (i.e.: kitchen, break room, shower, and lockers), and a public counter for the CVSan Engineering Department. The project would also include vehicle maintenance facilities, a workshop, materials storage areas in the same corporate yard building, and an associated surface parking lot. The plans would also include a separate hazardous material building to house chemical products, such as paint and emergency fuel.

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S:\Center Street Property\2018\Environmental\Initial Study\Rincon\AB 52 Documents\AB 52 Letters_2018-10-29.docx

Sincerely,

Landon Lochrie
Associate Engineer
Castro Valley Sanitary District

Enclosure: Project Location Map

Timothy McGowan
President

Daniel M. Akagi
President Pro Tem

Dave Sadoff
Secretary

Ralph Johnson
Secretary Pro Tem

Melody Appleton
Board Member

Roland P. Williams, Jr.
General Manager

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October 29, 2018

Muwekma Ohlone Indian Tribe of the SF Bay Area
Charlene Nijmeh, Chairperson
20885 Redwood Road, Suite 232
Castro Valley, CA 94546

Timothy McGowan
President

Daniel M. Akagi
President Pro Tem

Dave Sadoff
Secretary

Ralph Johnson
Secretary Pro Tem

Melody Appleton
Board Member

Roland P. Williams, Jr.
General Manager

Subject: AB 52 Consultation, Castro Valley Sanitary District Corporate Yard Project, Castro Valley, Alameda County, California

Dear Chairperson Nijmeh:

The Castro Valley Sanitary District (CVSan) is preparing an Initial Study/Mitigated Negative Declaration (ISMND) for the proposed CVSan Corporate Yard Project, located at 21195 Center St., Castro Valley, CA 94546. The proposed project is subject to the California Environmental Quality Act (CEQA). The proposed project involves the demolition of existing on-site structures and development of a new corporate yard facility. The corporate yard facility would include an approximately 13,140 square-foot, two-story building that would provide office space and other facilities such as equipment storage, conference rooms, amenities for employees (i.e.: kitchen, break room, shower, and lockers), and a public counter for the CVSan Engineering Department. The project would also include vehicle maintenance facilities, a workshop, materials storage areas in the same corporate yard building, and an associated surface parking lot. The plans would also include a separate hazardous material building to house chemical products, such as paint and emergency fuel.

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Sincerely,

Landon Lochrie
Associate Engineer
Castro Valley Sanitary District

Enclosure: Project Location Map

Timothy McGowan
President

Daniel M. Akagi
President Pro Tem

Dave Sadoff
Secretary

Ralph Johnson
Secretary Pro Tem

Melody Appleton
Board Member

Roland P. Williams, Jr.
General Manager

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October 29, 2018

North Valley Yokuts Tribe
Katherine Erolinda Perez, Chairperson
P.O. Box 717
Linden, CA 95236

Timothy McGowan
President

Daniel M. Akagi
President Pro Tem

Dave Sadoff
Secretary

Ralph Johnson
Secretary Pro Tem

Melody Appleton
Board Member

Roland P. Williams, Jr.
General Manager

Subject: AB 52 Consultation, Castro Valley Sanitary District Corporate Yard Project, Castro Valley, Alameda County, California

Dear Chairperson Perez:

The Castro Valley Sanitary District (CVSan) is preparing an Initial Study/Mitigated Negative Declaration (ISMND) for the proposed CVSan Corporate Yard Project, located at 21195 Center St., Castro Valley, CA 94546. The proposed project is subject to the California Environmental Quality Act (CEQA). The proposed project involves the demolition of existing on-site structures and development of a new corporate yard facility. The corporate yard facility would include an approximately 13,140 square-foot, two-story building that would provide office space and other facilities such as equipment storage, conference rooms, amenities for employees (i.e.: kitchen, break room, shower, and lockers), and a public counter for the CVSan Engineering Department. The project would also include vehicle maintenance facilities, a workshop, materials storage areas in the same corporate yard building, and an associated surface parking lot. The plans would also include a separate hazardous material building to house chemical products, such as paint and emergency fuel.

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Sincerely,

Landon Lochrie
Associate Engineer
Castro Valley Sanitary District

Enclosure: Project Location Map

Timothy McGowan
President

Daniel M. Akagi
President Pro Tem

Dave Sadoff
Secretary

Ralph Johnson
Secretary Pro Tem

Melody Appleton
Board Member

Roland P. Williams, Jr.
General Manager

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October 29, 2018

The Ohlone Indian Tribe
Andrew Galvan
P.O. Box 3152
Fremont, CA 94539

Timothy McGowan
President

Daniel M. Akagi
President Pro Tem

Dave Sadoff
Secretary

Ralph Johnson
Secretary Pro Tem

Melody Appleton
Board Member

Roland P. Williams, Jr.
General Manager

Subject: AB 52 Consultation, Castro Valley Sanitary District Corporate Yard Project, Castro Valley, Alameda County, California

Dear Mr. Galvan:

The Castro Valley Sanitary District (CVSan) is preparing an Initial Study/Mitigated Negative Declaration (ISMND) for the proposed CVSan Corporate Yard Project, located at 21195 Center St., Castro Valley, CA 94546. The proposed project is subject to the California Environmental Quality Act (CEQA). The proposed project involves the demolition of existing on-site structures and development of a new corporate yard facility. The corporate yard facility would include an approximately 13,140 square-foot, two-story building that would provide office space and other facilities such as equipment storage, conference rooms, amenities for employees (i.e.: kitchen, break room, shower, and lockers), and a public counter for the CVSan Engineering Department. The project would also include vehicle maintenance facilities, a workshop, materials storage areas in the same corporate yard building, and an associated surface parking lot. The plans would also include a separate hazardous material building to house chemical products, such as paint and emergency fuel.

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Sincerely,

Landon Lochrie
Associate Engineer
Castro Valley Sanitary District

Enclosure: Project Location Map

Timothy McGowan
President

Daniel M. Akagi
President Pro Tem

Dave Sadoff
Secretary

Ralph Johnson
Secretary Pro Tem

Melody Appleton
Board Member

Roland P. Williams, Jr.
General Manager

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Appendix F

Energy Calculation Worksheets

CVSan Corporate Yard Facility Project

Last Updated: 1/25/2019

Compression-Ignition Engine Brake-Specific Fuel Consumption (BSFC) Factors **[1]**:

HP: 0 to 100	0.0588		HP: Greater than 100	0.0529

Values above are expressed in gallons per horsepower-hour/BSFC.

CONSTRUCTION EQUIPMENT

Construction Equipment	#	Hours per Day	Horsepower	Load Factor	Construction Phase	Fuel Used (gallons)
Rubber Tired Dozer	1	8	247	0.40	Site Prep	835.59
Concrete/Industrial Saws	1	8	81	0.73	Site Prep	555.96
Tractors/Loaders/Backhoes	3	8	97	0.37	Site Prep	1,012.34
Concrete/Industrial Saws	1	8	81	0.73	Demo	55.60
Tractors/Loaders/Backhoes	3	8	97	0.37	Demo	101.23
Rubber Tired Dozer	1	8	247	0.40	Demo	83.56
Graders	1	8	187	0.41	Grading	129.69
Rubber Tired Dozer	1	8	247	0.40	Grading	167.12
Tractors/Loaders/Backhoes	3	8	97	0.37	Grading	202.47
Cranes	1	6	231	0.29	Building	4,249.23
Forklifts	1	6	89	0.20	Building	1,255.20
Generator Sets	1	8	84	0.74	Building	5,844.45
Tractors/Loaders/Backhoes	1	6	97	0.37	Building	2,530.86
Welders	3	8	46	0.45	Building	5,838.81
Cement and Mortar Mixers	1	6	9	0.73	Paving	23.16
Tractors/Loaders/Backhoes	1	8	97	0.37	Paving	168.72
Pavers	1	8	130	0.42	Paving	230.89
Paving Equipment	1	8	132	0.36	Paving	200.95
Rollers	1	8	80	0.38	Paving	142.91
Air Compressors	1	6	78	0.48	Arch Coating	132.01
					Total Fuel Used	**23,628.76**
						(Gallons)

Construction Phase	Days of Operation
Site Preparation Phase	20
Demolition Phase	2
Grading Phase	4
Building Phase	200
Paving Phase	10
Architectural Coating Phase	10

WORKER TRIPS				
Constuction Phase	MPG [2]	Trips	Trip Length (miles)	Fuel Used (gallons)
Demolition Phase	24.0	13	10.8	5.850
Site Prep Phase	24.0	8	10.8	3.600
Grading Phase	24.0	8	10.8	3.600
Building Phase	24.0	24	10.8	10.800
Paving Phase	24.0	13	10.8	5.850
Architectural Coating Phase	24.0	5	10.8	2.250
			Total Fuel Used	**31.95**

HAULING AND VENDOR TRIPS				
Trip Class	MPG [2]	Trips	Trip Length (miles)	Fuel Used (gallons)
Vendor Trips	7.4	9	7.3	8.878
Hauling Trips	7.4	60	20	162.162
			Total Fuel Used	**171.04**

GRAND TOTAL	**23,831.75**

Sources:

[1] United States Environmental Protection Agency. 2018. *Exhaust and Crankcase Emission Factors for Nonroad Compression-Ignition Engines in MOVES2014b* . July 2018. Available at: https://nepis.epa.gov/Exe/ZyPDF.cgi?Dockey=P100UXEN.pdf.

[2] United States Department of Transportation, Bureau of Transportation Statistics. 2018. *National Transportation Statistics 2018* . Available at: https://www.bts.gov/sites/bts.dot.gov/files/docs/browse-statistical-products-and-data/national-transportation-statistics/223001/ntsentire2018q4.pdf.

CVSan Corporate Yard Facility Project

Last Updated: 1/24/19

Populate one of the following tables (Leave the other blank):

Annual VMT		OR	Daily Vehicle Trips	
Annual VMT:	199,066		Daily Vehicle Trips:	
			Average Trip Distance:	

Fleet Class	Fleet Mix	Fuel Consumption (MPG)	
Light Duty Auto (LDA)	0.560371	Passenger Vehicles	24
Light Duty Truck 1 (LDT1)	0.039285	Light-Med Duty Trucks	17.4
Light Duty Truck 2 (LDT2)	0.190378	Heavy Trucks/Other	7.4
Medium Duty Vehicle (MDV)	0.108244	Motorcycles	43.9
Light Heavy Duty 1 (LHD1)	0.016023		
Light Heavy Duty 2 (LHD2)	0.005202		
Medium Heavy Duty (MHD)	0.023981		
Heavy Heavy Duty (HHD)	0.0452		
Other Bus (OBUS)	0.002184		
Urban Bus (UBUS)	0.002561		
School Bus (SBUS)	0.000326		
Motorhome (MH)	0.000721		
Motorcycle (MCY)	0.005524		

Fleet Mix

Vehicle Type	Percent	Fuel Type	Annual VMT: VMT	Vehicle Trips: VMT	Fuel Consumption (Gallons)
Passenger Vehicles	*56.04%*	*Gasoline*	11155081.35%	0.00%	4647.95
Light-Medium Duty Trucks	*33.79%*	*Gasoline*	6726579.49%	0.00%	3865.85
Heavy Trucks/Other	*9.62%*	*Diesel*	1914975.11%	0.00%	2587.80
Motorcycle	*0.55%*	*Gasoline*	109964.06%	0.00%	25.05

Gasoline Total	8538.84960179753
Diesel Total	2587.80
Total	11126.65380017590