



CALIFORNIA UNDERGROUND STORAGE TANK (UST) LEAK PREVENTION

JANUARY – JUNE 2018 SEMI-ANNUAL REPORT

Owners, operators and Unified Program Agencies (UPAs) have reported Underground Storage Tank (UST) facility and inspection information through the California Environmental Reporting System (CERS) since January 2013.

This report summarizes the status of issues important to the California UST Leak Prevention program and is based on information extracted from CERS, the California GeoTracker database, and internal State Water Resources Control Board (State Water Board) reports. Unless otherwise noted, the events and activities (e.g., inspections, violations, reporting of releases) presented here occurred between January and June of 2018. Data sources were collected in October 2018, acknowledging that it can sometimes take up to 90 days for data display in CERS or GeoTracker.

This report was prepared as part of Cooperative Agreement L99T11601 between the U.S. Environmental Protection Agency (USEPA) Region 9 and the State Water Board.

Statewide UST Numbers *

Number of USTs	35,539
Number of UST Facilities	13,862
Storage Capacity (gal)	387,069,806

* Statewide number of USTs and storage capacity are underreported here (1,456 UST facilities in CERS lack tank-specific information)

Use / Contents	USTs	Capacity (gal)
Motor Vehicle, Gasoline	23,081	273,089,049
Motor Vehicle, Diesel	7,741	78,834,069
Generator, Diesel	1,984	17,339,903
Waste Oil	972	985,767
Jet Fuel or Aviation Gas	247	5,712,765
Other	1,514	11,108,253

CERS Implementation (pg. 3)

Complete and accurate UST data in CERS enables California to more effectively manage its UST Leak Prevention program. It is crucial that the State and USEPA can rely on CERS

% Facilities in CERS	99.1%
% Facilities with an Inspection Record	98.1%
UPAs Approved for Paperless Reporting	29/90

data to determine compliance with State and Federal law, as well as make important program decisions. When an UPA believes the data in CERS is complete and accurate, the UPA can request a data quality review. The State Water Board can then approve paperless reporting of federally required information via CERS. Otherwise, the State and USEPA rely on UPA spreadsheets that lack detail and cannot be verified. CERS implementation also improves access to previously unshared information (e.g., Priority Violations, New Releases, Single-Walled USTs).

Priority Violations & Return to Compliance (RTC) (pg. 4-5)

Inspection reports maintained at UPA offices were previously the only source of UST violation information. UPAs now report both violations and RTC dates to CERS, making it simpler to identify statewide trends. Of the 91 violations currently applicable statewide, 46 priority violations were identified for this report. These 46 priority violations include all 33 violations that result in a facility not meeting the definition of in Significant Operational Compliance (SOC), plus 13 additional violations of significant interest to USEPA and the State Water Board. See Appendix B for the list of priority violations.

Routine Inspections (January-June 2018)	7,296
Priority Violations	6,137
% Facilities with Priority Violations	41.6%
% Facilities with Priority Violations (All RTC)	60.1%

New Releases (pg. 6)

Minimizing releases to the environment is an important measure of the UST Leak Prevention program's success. California manages this data in GeoTracker, with each release tied to a corresponding leaking UST (LUST) cleanup case. When releases are discovered, responsible parties or UPAs alert one of the nine Regional Water Quality Control Boards, often via an Unauthorized Release Form (URF). Newly reported releases may have occurred long ago at facilities that no longer operate USTs. Releases may also have occurred—at operating facilities—prior to current UST regulations.

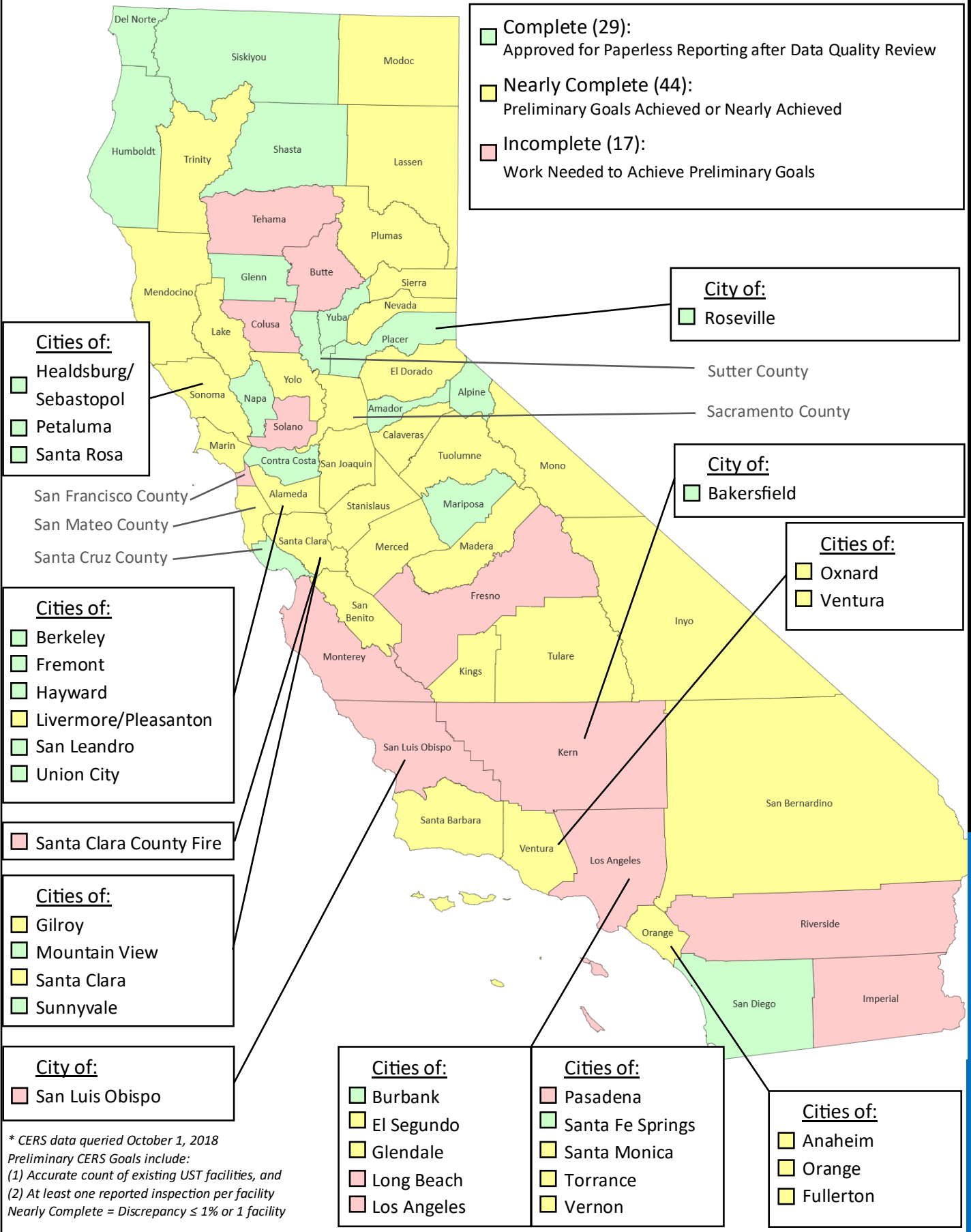
Releases Reported (Total)	33
Releases Reported (Operating Facilities)	11
New Releases (i.e., Newly Occurring)	0

Single-Walled USTs (pg. 7-9)

California law requires the permanent closure of all single-walled (SW) UST tanks and piping by December 31, 2025. Encouraging owners to remove and replace SW tanks and piping in advance will prevent contractor shortages, unmanageable permitting workloads and UST abandonment.

Number of SW USTs (tanks or piping)	3,009
Facilities with SW USTs (tanks or piping)	1,216
% of Statewide UST Systems (SW)	8.5%
% of Statewide UST Facilities (SW)	8.8%
% of Statewide Storage Capacity (SW)	8.0%
SW UST Facilities with unresolved priority violation(s) cited in past 18 months	167

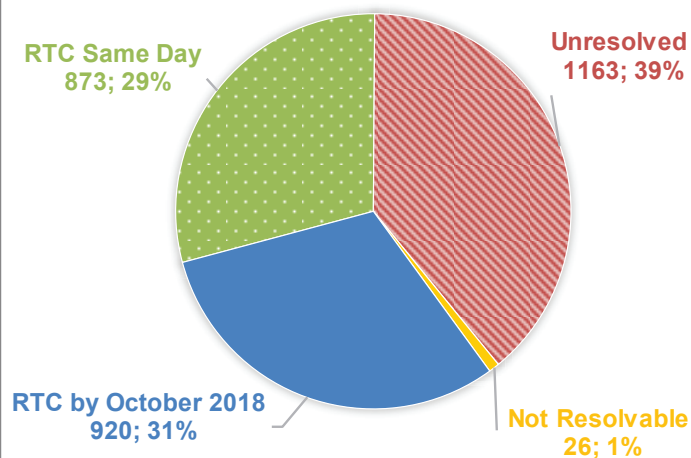
CERS Implementation by Unified Program Agency (UPA)



* CERS data queried October 1, 2018
 Preliminary CERS Goals include:
 (1) Accurate count of existing UST facilities, and
 (2) At least one reported inspection per facility
 Nearly Complete = Discrepancy ≤ 1% or 1 facility

UST Violations and Return to Compliance (RTC)

2,982 Facilities w/ Priority Violations Cited



Currently, applicable UST violations are grouped into 91 codes within CERS, and 46 violations were identified as priority violations for this report. See Appendix B for the full list of priority violations.

Between January and June 2018, UPAs cited one or more priority violations at 41.6% (2,982 of 7,172) of all UST facilities inspected. By October 2018, 60.1% of these facilities (1,793 of 2,982) had returned to compliance.

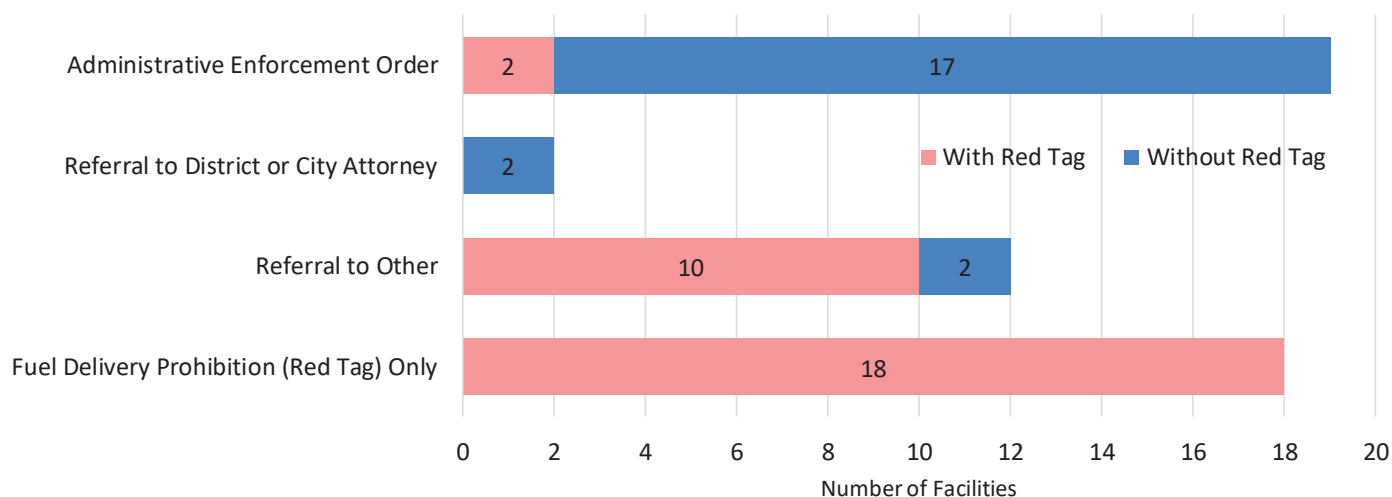
Number of Facilities with a Routine Inspection	7,172
Number of Additional Routine Inspections reported in 6 month period	124
Number of Facilities with Priority Violations	2,982
Average Time to RTC*	46 days

*Per Violation, not including RTC at time of inspection (same day RTC)

Ten Most Cited Violations

Violation Name	CERS Violation Type Number	Total # Citations	# UPAs Citing Violation	% RTC by October 2018
Secondary Containment (<i>failure to maintain</i>)	2030047	772	57	28%
Spill Bucket (<i>not meeting regulatory requirements</i>)	2060020	719	61	68%
Line Leak Detector (LLD) for Pressurized Piping (<i>not meeting monitoring requirements</i>)	2030025	588	57	74%
Leak Detection Equipment (<i>improper installation, calibration, operation or maintenance</i>)	2030043	562	53	64%
Repairs, Lining and Upgrades (<i>failure to maintain records</i>)	2010008	520	31	28%
Leak Detection Monitoring and Maintenance (<i>failure to maintain records</i>)	2030001	356	42	51%
Leak Detection Equipment (<i>not located to detect leak at earliest possible opportunity</i>)	2060015	348	44	67%
Overfill Prevention (<i>not meeting regulatory requirements</i>)	2030036	342	46	57%
Leak Detection Equipment (<i>failure to have an audible and visual alarm</i>)	2030003	307	48	73%
Double-Walled Pressurized Piping (<i>failure to monitor interstitial space</i>)	2030018	262	40	76%

Enforcement Actions Initiated at 50 Facilities



Priority UST Violations and Return to Compliance (RTC), January - June 2018

UPA	% Facilities Inspected	# Routine Inspections	# Priority Violations	# Facilities w Priority Violations	Facilities w Priority Violations (% RTC by October 2018)	# Facilities w Formal Enforcements Initiated	Average # Days Until RTC
Alpine County Health Department	0% (0/5)	0	0	0	No Inspections Reported	0	N/A
Modoc County Environmental Health	0% (0/7)	0	0	0	No Inspections Reported	0	N/A
San Francisco City & County Public Health Dept	0% (0/240)	0	0	0	No Inspections Reported	0	N/A
San Luis Obispo City Fire Department	0% (0/23)	0	0	0	No Inspections Reported	0	N/A
Alameda County Environmental Health	53%	129	126	68	76%	0	69
Amador County Environmental Health	28%	8	0	0	No Priority Violations Cited	0	N/A
Anaheim City Fire Department	56%	65	35	24	96%	0	48
Bakersfield City Fire Department	55%	82	88	41	90%	2	64
Berkeley City Toxics Management Division	50%	16	9	6	50%	1	91
Burbank Fire Department	47%	31	3	2	50%	0	102
Butte County Environmental Health	51%	50	49	33	85%	2	31
Colusa County Health and Human Services	78%	14	4	3	33%	0	All RTC Same Day
Contra Costa County Health Services Dept	54%	210	96	75	83%	2	56
Del Norte Environmental Health Division	55%	6	0	0	No Priority Violations Cited	0	N/A
El Dorado County Environmental Management	38%	31	30	20	85%	1	38
Fresno County Department of Public Health	57%	239	166	117	38%	0	35
Glendale City Fire Department	40%	24	3	3	33%	0	31
Glenn County Air Pollution Control District	56%	10	13	8	88%	2	29
Hayward City Fire Department	47%	44	21	13	31%	0	92
Healdsburg/Sebastopol JPA	36%	5	14	6	83%	0	73
Humboldt County Div of Environmental Health	57%	42	29	13	92%	0	23
Imperial CUPA - DTSC	55%	46	163	35	91%	5	42
Inyo County Dept of Environmental Health	4%	1	0	0	No Priority Violations Cited	0	N/A
Kern County Environmental Health Svc Dept	53%	150	124	76	50%	1	51
Kings County Environmental Health	56%	47	42	20	55%	0	37
Livermore-Pleasanton FD	51%	39	9	6	67%	0	146
Long Beach Environmental Health	52%	78	62	35	94%	2	44
Los Angeles City Fire Department	54%	706	454	219	63%	3	61
Los Angeles County Dept of Public Works	59%	911	1634	401	16%	13	46
Madera County Environmental Health	49%	36	66	34	41%	0	23
Mendocino County Environmental Health	59%	38	13	7	71%	0	All RTC Same Day
Merced County Environmental Health	49%	62	53	31	71%	0	14
Milpitas City Fire Department	4%	1	7	7	43%	0	13
Mono County Health Department	43%	9	21	9	89%	0	27
Monterey County Health Department	22%	53	4	3	33%	0	22
Napa County Dept of Environmental Mgmt	66%	31	21	13	85%	0	69
Orange City Fire Department	68%	49	38	27	85%	0	38
Orange County Environmental Health	62%	451	157	130	85%	3	57
Oxnard Fire Department	44%	23	10	9	78%	0	25
Pasadena Fire Department	50%	30	18	9	22%	0	92
Petaluma City Fire Department	47%	9	3	2	50%	0	All RTC Same Day
Placer County Environmental Health	51%	48	54	32	91%	1	46
Riverside County Dept of Environmental Health	51%	353	223	125	79%	4	43
Roseville City Fire Department	53%	27	40	18	94%	0	29
Sacramento County Environmental Mgmt Dept	53%	252	213	122	49%	0	32
San Benito County Health Department	74%	17	4	3	67%	0	24
San Bernardino County Fire Department	54%	457	173	129	46%	4	39
San Diego County Dept of Environmental Health	52%	523	434	204	75%	0	23
San Joaquin County Environmental Health	61%	155	233	113	73%	0	46
San Luis Obispo County Environmental Health	78%	84	66	36	86%	0	42
San Mateo County Environmental Health	48%	139	90	54	78%	0	55
Santa Barbara County Environmental Health	57%	83	42	33	88%	1	32
Santa Clara City Fire Department	58%	38	14	12	33%	0	2
Santa Clara County Environmental Health	54%	199	227	128	26%	0	20
Santa Clara County Fire Department	36%	24	0	0	No Priority Violations Cited	0	N/A
Santa Cruz County Environmental Health	54%	57	32	27	74%	0	21
Santa Monica Fire Department	36%	14	9	5	40%	0	49
Santa Rosa City Fire Department	53%	29	13	11	82%	0	56
Shasta County Environmental Health	53%	62	87	50	86%	1	48
Sierra County Human Services Department	20%	1	0	0	No Priority Violations Cited	0	N/A
Siskiyou County Community Development	28%	9	12	6	83%	0	57
Solano County Environmental Health	60%	114	37	22	9%	0	13
Sonoma County Fire & Emergency Svc Dept	53%	41	20	16	88%	0	41
Stanislaus County Environmental Resources	48%	102	119	59	73%	0	46
Sunnyvale Department of Public Safety	40%	18	2	2	50%	1	56
Sutter County Environmental Health	61%	25	16	8	75%	0	1
Tehama County Environmental Health	45%	18	11	7	43%	0	All RTC Same Day
Tulare County Environmental Health	49%	128	106	69	41%	0	38
Tuolumne County Environmental Health	56%	19	25	9	89%	0	110
Union City Environmental Programs	50%	11	0	0	No Priority Violations Cited	0	N/A
Vernon Health & Environmental Control Dept	29%	12	1	1	0%	0	No RTC
Yuba County Environmental Health Dept	44%	17	14	10	50%	1	All RTC Same Day
Statewide Totals	52%	7296	6137	2982	61%	50	46

Average # Days Until RTC calculations are per violation, not per facility, and exclude violations RTC at the time of the inspection (same day RTC).

Enforcement includes an Administrative Enforcement Order, a Red Tag to prohibit fuel delivery, or a Referral to the City Attorney/District Attorney/Other.

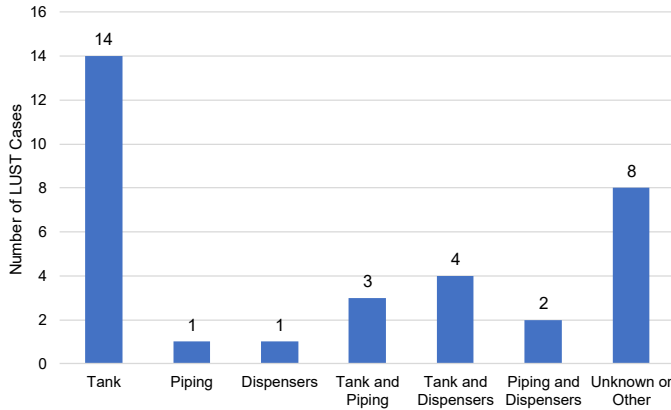
Nineteen (19) UPAs had 100% of priority violations RTC by October 2018. Of these 19 UPAs, none are listed in the table because they reported no enforcement initiated: Calaveras County, El Segundo, Fremont, Fullerton, Gilroy, Lake County, Lassen County, Marin County, Mariposa County, Mountain View, Nevada County, Plumas County, San Leandro, Santa Fe Springs, Torrance, Trinity County (State DTSC), Ventura County, Ventura County, Yolo County.

On July 1, 2018 Milpitas transferred its UST facilities to Santa Clara County Environmental Health. Although facilities were transferred before data was exported from CERS on October 1, 2018, facilities are reported under Milpitas for this table.

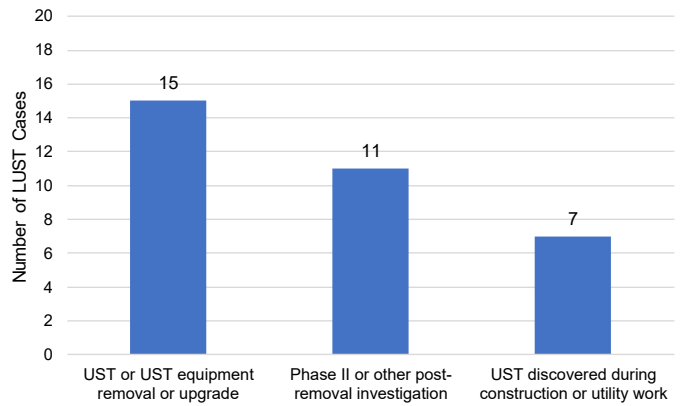
Confirmed New Releases - New Leaking UST Cleanup Cases

GeoTracker leaking UST (LUST) data indicate that UST owners, operators and regulators reported 33 new releases from petroleum USTs between January and June 2018.

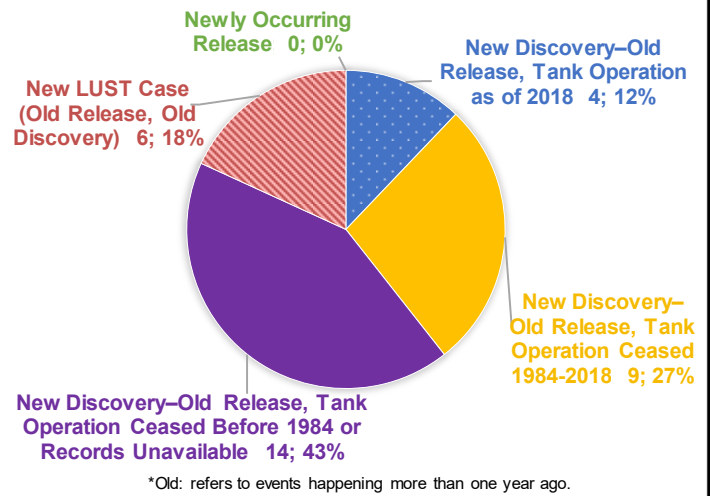
Source of Release



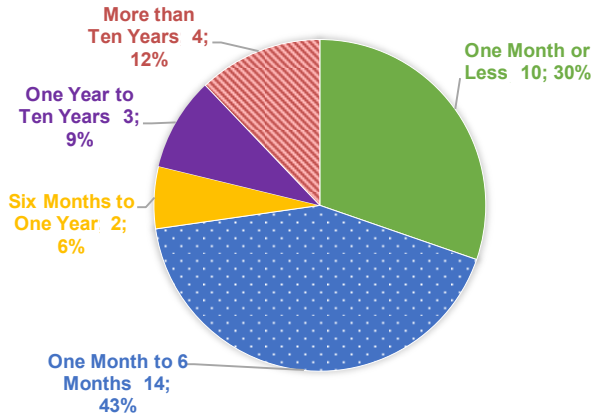
How Release was Discovered



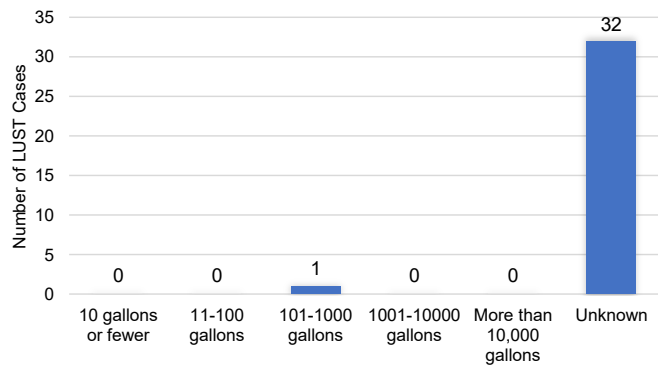
What's "New" About the Release



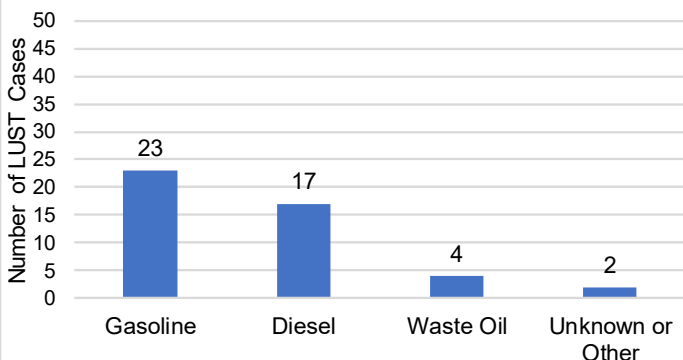
Release Report to LUST Case (Time Elapsed)



Estimated Volume per Release

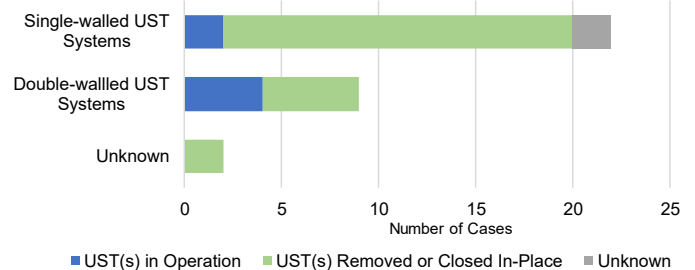


Substance Released



Note: In some cases, more than one substance has been identified. Therefore, the total number for this chart does not reflect the total number of cases.

UST System Design & Status

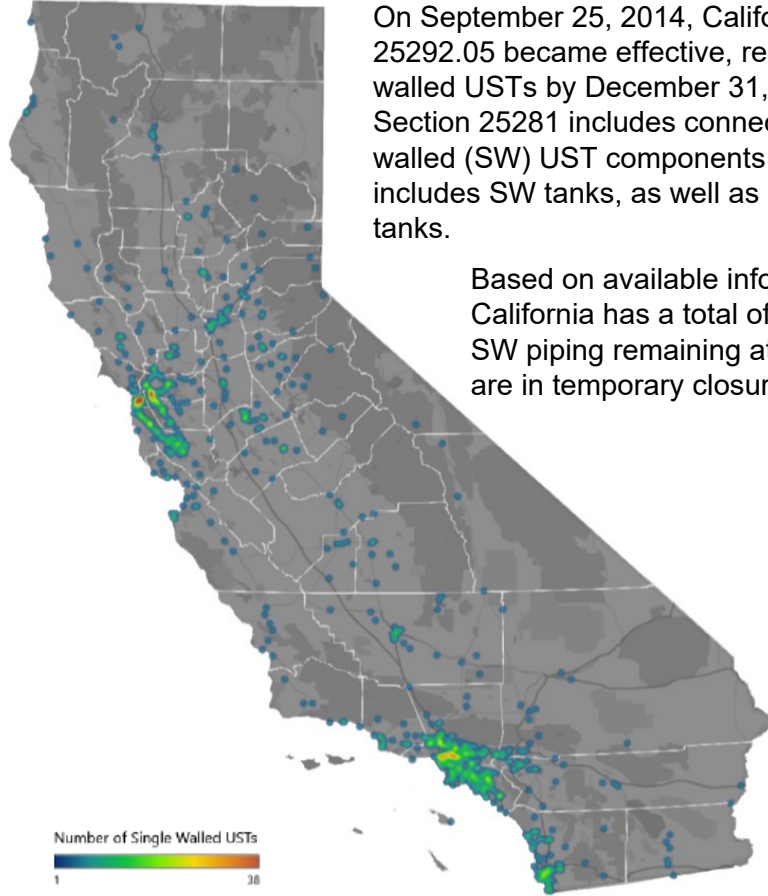


* Design and status are for the one or more UST systems involved in the release

See Appendix A

for Details on Individual Releases

Single-Walled (SW) USTs



On September 25, 2014, California Health and Safety Code (HSC), Section 25292.05 became effective, requiring the permanent closure of all single-walled USTs by December 31, 2025. The statutory definition of UST in HSC Section 25281 includes connected piping. As a result, the universe of single-walled (SW) UST components that need to be removed and replaced includes SW tanks, as well as SW piping connected to double-walled (DW) tanks.

Based on available information in CERS as of October 2018, California has a total of 3,009 UST systems with either a SW tank or SW piping remaining at 1,216 facilities. Thirteen of these systems are in temporary closure.

California Single-walled USTs

	SW Tank	DW Tank SW Piping	Total
USTs	2,253	756	3,009
Facilities	797	440	1,216

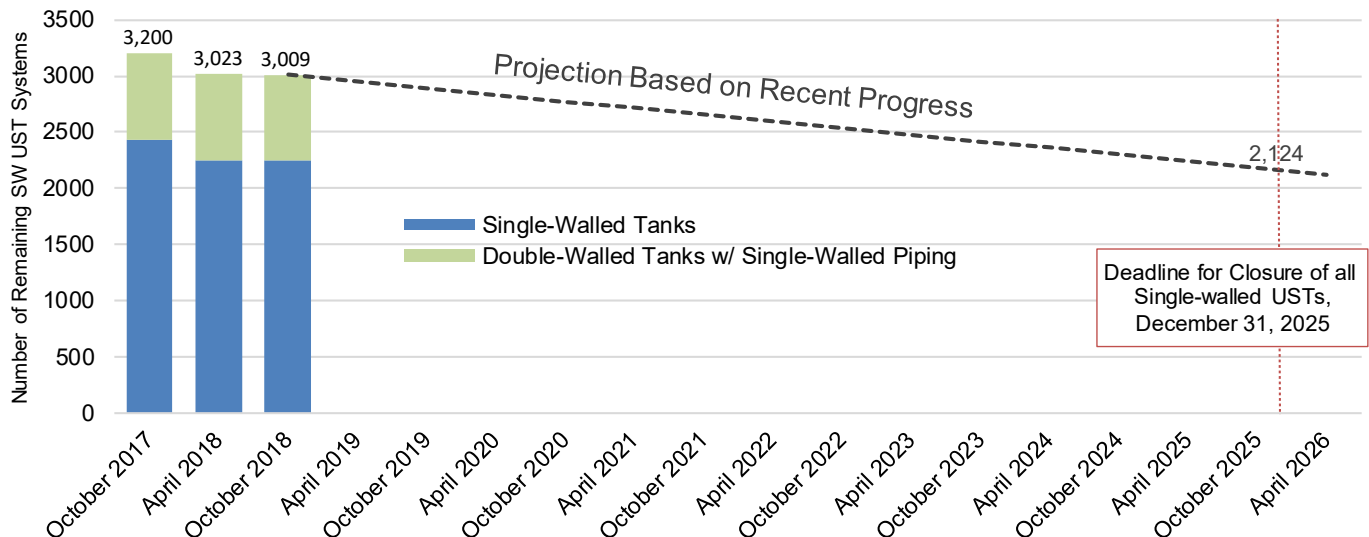
Total Facilities (1,216) is less than the sum of SW Tank and DW Tank SW Piping (1,237) because some facilities have both types of UST system.

Single-walled UST Closures in 2018

SW Tanks	DW Tanks SW Piping	Total	Two Year Closure Average
39	12	51	118 per year

CERS data continues to be corrected, so the total closures for a period may not match the difference in the number of remaining single-walled USTs between periods.

Statewide Progress - Single-Walled UST Closure



Check https://www.waterboards.ca.gov/ust/single_walled/ for additional information and resources.

Single-Walled USTs by UPA, Sorted by Number of SW Facilities

UPA	Total # SW USTs	Total # SW UST Facilities	Total Gallon Storage Capacity, SW USTs	# SW Tanks	Gallon Capacity, SW Tanks	# DW Tanks w/ SW Piping	Gallon Capacity, DW Tanks w/ SW Piping	SW UST Facilities w/ Unresolved Priority Violations*
Los Angeles City Fire Department	248	119	3,195,144	149	2,595,050	99	600,094	23
San Diego County Dept of Environmental Health	245	90	2,430,885	191	1,890,960	54	539,925	4
Los Angeles County Department of Public Works	207	88	2,319,475	159	1,904,270	48	415,205	28
Contra Costa County Health Services Dept	169	65	1,558,568	138	1,337,918	31	220,650	0
Orange County Environmental Health	156	64	1,510,946	125	1,275,426	31	235,520	4
Alameda County Environmental Health	143	56	1,293,599	125	1,184,479	18	109,120	10
San Francisco City & County Public Health Dept	124	54	1,208,390	102	1,114,100	22	94,290	0
San Mateo County Environmental Health	115	46	1,014,274	90	907,604	25	106,670	6
San Bernardino County Fire Department	75	32	723,249	46	488,889	29	234,360	3
Kern County Environmental Health Svcs Dept	81	29	785,500	77	739,500	4	46,000	6
Stanislaus County Environmental Resources	93	28	869,000	90	843,000	3	26,000	6
Santa Clara County Environmental Health	49	28	355,440	29	277,000	20	78,440	14
Riverside County Dept of Environmental Health	55	25	463,999	30	203,849	25	260,150	5
Solano County Environmental Health	53	24	431,507	26	231,000	27	200,507	4
Sacramento County Environmental Mgmt Dept	64	22	655,354	44	479,000	20	176,354	6
Bakersfield City Fire Department	55	20	607,728	50	563,000	5	44,728	3
Monterey County Health Department	54	20	397,550	46	364,500	8	33,050	4
Marin County Dept of Public Works	38	17	323,600	33	289,100	5	34,500	1
Amador County Environmental Health	47	15	317,000	34	233,000	13	84,000	0
Ventura County Environmental Health	35	15	255,050	25	220,550	10	34,500	0
Merced County Environmental Health	31	13	320,000	21	239,000	10	81,000	4
Kings County Environmental Health	33	12	2,053,899	26	1,997,899	7	56,000	3
Fresno County Department of Public Health	43	11	459,553	32	413,195	11	46,358	5
Shasta County Environmental Health	34	11	324,000	26	244,000	8	80,000	2
Calaveras County Environmental Health	34	11	253,950	34	253,950	0	0	1
Santa Clara County Fire Department	26	11	244,596	24	243,526	2	1,070	0
Hayward City Fire Department	25	11	209,550	19	184,000	6	25,550	2
Imperial CUPA - DTSC	23	10	248,500	13	154,000	10	94,500	0
Tulare County Environmental Health	25	10	228,000	15	139,000	10	89,000	6
Anaheim City Fire Department	20	10	193,550	9	79,000	11	114,550	1
Long Beach Environmental Health	24	9	340,500	12	136,000	12	204,500	1
Mendocino County Environmental Health	29	9	212,600	21	167,000	8	45,600	0
Santa Cruz County Environmental Health	21	9	200,550	18	180,000	3	20,550	1
Butte County Environmental Health	23	9	187,764	17	159,000	6	28,764	2
Placer County Environmental Health	21	9	168,020	20	167,500	1	520	0
San Leandro City	16	9	150,600	10	115,000	6	35,600	0
Mariposa County Public Health Department	16	9	106,017	7	68,000	9	38,017	0
Orange City Fire Department	17	9	84,750	9	60,750	8	24,000	1
Santa Barbara County Environmental Health Svc	19	8	226,500	17	216,000	2	10,500	2
Humboldt County Environmental Health	22	8	192,084	19	172,084	3	20,000	0
El Dorado County Environmental Management	20	8	167,520	13	117,000	7	50,520	0
Burbank Fire Department	15	8	104,550	11	82,500	4	22,050	0
San Luis Obispo County Environmental Health	16	7	210,550	13	110,000	3	100,550	0
Berkeley City Toxics Management Division	18	7	156,020	15	154,000	3	2,020	0
Ventura City Fire Department	15	6	165,050	13	164,000	2	1,050	0
Torrance Fire Department	14	6	115,070	10	112,000	4	3,070	0
Sunnyvale Department of Public Safety	13	6	109,337	8	78,287	5	31,050	0
Sonoma County Fire & Emergency Services Dept	12	6	78,500	11	78,000	1	500	0

SW: Single-walled

DW: Double-walled

* Total Number of Unresolved Priority Violations cited in the past 18 months for facilities with one or more single-walled UST system.

Single-Walled UST Systems by UPA, Sorted by # SW Facilities (Continued)

UPA	Total # SW USTs	Total # SW UST Facilities	Total Gallon Storage Capacity, SW USTs	# SW Tanks	Gallon Capacity, SW Tanks	# DW Tanks w/ SW Piping	Gallon Capacity, DW Tanks w/ SW Piping	SW UST Facilities w/ Unresolved Priority Violations*
Fremont City Fire Department	11	6	75,050	7	63,000	4	12,050	0
Tuolumne County Environmental Health	12	6	62,940	6	35,000	6	27,940	2
Livermore-Pleasanton FD	15	5	146,262	12	112,262	3	34,000	0
Fullerton City Fire Department	12	5	91,000	10	90,000	2	1,000	0
El Segundo City Fire Department	16	5	88,797	2	60,000	14	28,797	0
Santa Clara City Fire Department	9	5	88,254	7	68,254	2	20,000	0
Yuba County Environmental Health Dept	17	4	496,000	11	436,000	6	60,000	1
Santa Rosa City Fire Department	21	4	208,000	19	188,000	2	20,000	0
Vernon Health & Environmental Control Dept	11	4	162,000	0	0	11	162,000	2
Plumas County Environmental Health	14	4	128,000	14	128,000	0	0	0
Gilroy City Fire Department	10	4	82,500	3	30,000	7	52,500	0
Siskiyou County Community Development	6	4	54,000	3	30,000	3	24,000	0
Glendale City Fire Department	4	4	2,550	0	0	4	2,550	0
Colusa County Health and Human Services	8	3	170,000	8	170,000	0	0	1
Pasadena Fire Department	12	3	140,500	9	100,000	3	40,500	0
Inyo County Dept of Environmental Health Svcs	12	3	136,000	12	136,000	0	0	0
Yolo County Environmental Health	11	3	114,000	10	104,000	1	10,000	0
Roseville City Fire Department	8	3	78,000	8	78,000	0	0	0
Sutter County Environmental Health	8	3	72,000	7	64,000	1	8,000	0
Lake County Environmental Health	7	3	53,000	7	53,000	0	0	0
Mono County Health Department	7	3	46,000	0	0	7	46,000	1
San Joaquin County Environmental Health	3	3	15,500	0	0	3	15,500	0
Napa County Dept of Environmental Mgmt	4	3	3,550	2	2,000	2	1,550	0
Sierra County Human Services Department	7	2	95,000	7	95,000	0	0	0
Nevada County Environmental Health	6	2	64,000	6	64,000	0	0	0
Petaluma City Fire Department	7	2	61,860	4	31,860	3	30,000	0
Santa Monica Fire Department	5	2	49,000	0	0	5	49,000	1
Santa Fe Springs Fire-Rescue	2	2	14,000	0	0	2	14,000	0
San Benito County Health Department	4	1	56,000	4	56,000	0	0	1
Mountain View Fire Department	2	1	20,000	2	20,000	0	0	0
Trinity County - DTSC	2	1	20,000	0	0	2	20,000	0
Oxnard Fire Department	2	1	15,000	1	10,000	1	5,000	0
Union City Environmental Programs	1	1	10,000	0	0	1	10,000	0
San Luis Obispo City Fire Department	1	1	8,000	0	0	1	8,000	0
Del Norte Environmental Health Division	1	1	2,000	0	0	1	2,000	0
Alpine County Health Department	0	0	0	0	0	0	0	0
Glenn County Air Pollution Control District	0	0	0	0	0	0	0	0
Healdsburg/Sebastopol JPA	0	0	0	0	0	0	0	0
Lassen County Environmental Health	0	0	0	0	0	0	0	0
Madera County Environmental Health	0	0	0	0	0	0	0	0
Modoc County Environmental Health	0	0	0	0	0	0	0	0
Tehama County Environmental Health	0	0	0	0	0	0	0	0
Statewide Total	3,009	1,216	31,156,601	2,253	25,651,262	756	5,505,339	167

SW: Single-walled

DW: Double-walled

* Total Number of Unresolved Priority Violations cited in the past 18 months for facilities with one or more single-walled UST system.

Note: Single-walled UST System numbers and capacity are likely underreported in this table. 1,456 UST facilities in CERS lack tank-specific information.

Appendix A: Confirmed UST Releases, January – June 2018

Statewide Release Total: 33

New Discoveries (Old Release) - 27 cases

Los Angeles County Department of Public Works (6 cases)

1. Em Tee Nest LLC

5863 Washington Blvd, Culver City

Substance: Gasoline

Volume: Unknown

Source: Tank

The release was discovered during a Phase II Environmental Site Assessment (ESA) January 2017 when petroleum constituents were detected in soil and groundwater. Additionally, three (3) USTs in two (2) tank pits were discovered during the Phase II ESA and removed October 2017. The UST Closure Report submitted to Los Angeles County Department of Public Works (DPW) November 2017 indicates numerous corrosion holes were observed in the tanks during removal. Los Angeles County DPW referred the case to the Regional Board February 2018. Three (3) monitoring wells were installed in July 2018 to define the extent of groundwater contamination. The site is currently a vacant former automotive parts and repair shop.

2. Former Cher's Chevron

14240 Firestone Blvd, La Mirada

Substance: Gasoline

Volume: Unknown

Source: Tank

A release was discovered when four (4) UST systems were removed September 2016. The December 2016 UST Removal Report received by Los Angeles County DPW June 2017 indicates petroleum constituents were detected beneath the former USTs. Los Angeles County DPW referred the case to the Regional Board February 2018. The site is currently an unpaved vacant lot.

3. HC 9300 Culver LLC

9300 Culver Blvd, Culver City

Substance: Diesel

Volume: Unknown

Source: Tank

A release was discovered when a UST was encountered during site redevelopment and removed December 2017. The UST Closure Report submitted to Los Angeles DPW January 2018 indicates impacted soil was observed beneath the tank and elevated concentrations of petroleum constituents were detected in soil. The report indicated impacted soil encountered beneath the UST would be excavated and disposed, but there is no documentation of over-excavation. Los Angeles County DPW referred the case to the Regional Board April 2018. The site is currently undergoing redevelopment as an office and retail complex.

4. Kaiser Permanente Downey

9371 Imperial Highway, Downey

Substance: Gasoline

Volume: Unknown

Source: Sump

A release was discovered December 2017 when samples were collected beneath piping and sumps as part of the steps to abandon in-place approximately 500 feet of piping. The Soil Sampling Report submitted to Los Angeles DPW January 2018 indicated low level petroleum constituents were

detected in several soil samples, but elevated petroleum constituents were detected in only one sample collected beneath one of the sumps. Los Angeles County DPW referred the case to the Regional Board January 2018. The site is currently a medical center with two diesel USTs used to power emergency generators.

5. Southwestern Precision Co 1939 144th Street, Gardena

Substance: Gasoline Volume: Unknown Source: Unknown

The release was discovered during a Phase II ESA January-February 2018. There is no record of removal of the former UST and clarifier, but a January 2018 geophysical survey did not identify subsurface anomalies. Los Angeles County DPW referred the case to the Regional Board May 2018. Six monitoring wells were installed July 2018 and petroleum constituent concentrations exceeding water quality objectives (WQOs) were reported in all six wells. The Corrective Action Plan proposing groundwater vacuum truck over-purge as a remedial strategy to limit off-site migration of groundwater contamination was approved October 2018. The site is currently a vacant warehouse and paved parking lot.

6. Shayan Capital Ventures 103 West Palmdale Blvd, Palmdale

Substance: Diesel Volume: Unknown Source: Dispenser

The release was discovered when two (2) UST systems were removed May 2018. The UST Closure Report submitted to Los Angeles County DPW May 2018 indicates petroleum constituents were detected in one soil sample collected beneath one of the former dispensers. Los Angeles County DPW referred the case to the Regional Board September 2018. The site is currently a vacant, unpaved, fenced lot.

Alameda County Department of Environmental Health (4 cases)

7. 5132 Telegraph Avenue 5132 Telegraph Avenue, Oakland

Substance: Diesel Volume: Unknown Source: Tank

The release was discovered when a UST was encountered during site redevelopment in October 2017 and removed. A second UST was encountered in December 2017. There is no record of removal of the second UST. Excavation of impacted soil to 15 to 22 feet below ground surface (bgs) was conducted January and February 2018. There is no information on the location of the USTs relative to the excavations and sample locations. The LTCP Checklist, completed September 2018, indicates the site meets closure criteria, but the status is Open – Remediation. The site is currently undergoing redevelopment as a mixed-use residential and retail building.

8. Alliance Residential Redevelopment (LUST) 2820 Broadway, Oakland

Substance: Gasoline, Diesel, Waste Oil Volume: Unknown Source: Tank, Piping

The release was discovered when three (3) USTs were discovered during site redevelopment on three separate dates and removed April 2018. Records indicate several different automobile dealerships and service shops occupied the site between 1920 and 2017. The UST Closure Report submitted to

Alameda County Department of Environmental Health (DEH) May 2018 indicated rusting and holes in the tanks and piping were noted during removal and petroleum constituents were detected in soil samples collected beneath the tanks and grab groundwater samples collected from the tank excavation. There was a Site Cleanup Program case opened in 2015 to address TCE detected at the site. The site is currently undergoing redevelopment as a mixed-use residential and retail building.

9. Bender Property

250 12th Street, Oakland

Substance: Diesel, Gasoline Volume: Unknown Source: Unknown

The release was discovered during a Phase II ESA November/December 2017 when petroleum constituents were detected in soil, groundwater, and sub-slab vapor samples. The September 2017 Phase I ESA indicated there was no record of removal of USTs associated with two fueling stations that operated at the site. The first fueling station operated from 1950 to 1960 and the second operated from 1964 to 1974. A geophysical investigation performed December 2017 determined it was unlikely that USTs remained at the site. Additional sub-slab vapor sampling was performed July 2018; petroleum constituents were detected below Regional Board screening limits, but TCE was detected above the screening limit. The site is currently a day spa, but reports indicate a day care has been proposed to operate out of the current building.

10. CFN Cardlock Facility

533 Exchange Court, Livermore

Substance: Diesel Volume: Unknown Source: Dispenser, Piping

The release was discovered during under-dispenser containment (UDC) upgrades March 2018. There are no reports in GeoTracker, but the Notice of Responsibility issued by Alameda County April 2018 indicates petroleum constituents were detected in soil beneath six of the eleven UDCs. The site remains an active fueling facility.

Los Angeles City Fire Department (2 cases)

11. 1500 Granville Property

11776 Santa Monica Blvd, Los Angeles

Substance: Gasoline, Diesel, Waste Oil Volume: Unknown Source: Tank

The release was discovered when four (4) USTs were discovered during site redevelopment December 2017 and removed February 2018. The dispensers and piping had previously been removed. The UST Closure Report submitted to Los Angeles City Fire Department (LAFD) March 2018 indicated minor petroleum constituents were detected soil beneath two (2) USTs and elevated petroleum constituents were detected in a soil sample collected beneath one of the USTs. LAFD referred the case to the Regional Board June 2018. A work plan for additional site assessment was requested by the Regional Board September 2018. The site is currently undergoing redevelopment as a mixed-use residential and retail complex.

12. Honda of Hollywood

6522 Santa Monica Blvd, Los Angeles

Substance: Unknown

Volume: Unknown

Source: Unknown

The release was reported when petroleum constituents were detected during a Phase II ESA and Additional Site Assessment June 2017. The Additional Site Assessment Report submitted to LAFD June 2017 indicates low levels of petroleum constituents were detected in soil and soil gas samples and benzene was detected slightly above the WQO in one grab groundwater sample; however, the presence of chlorinated solvents appears to be the primary risk driver. Reports indicate that a backfilled UST excavation is present at the site, but no information on the contents of the former UST or when it was removed were reported. LAFD referred the case to the Regional Board February 2018. A Remedial Action Completion Report was submitted October 2018, documenting the removal of approximately 32.5 cubic yards of impacted soil. The site is currently a paved parking lot.

Orange County Health Care Agency, Environmental Health (2 cases)

13. Wayne Perry Inc.

8281 Commonwealth Ave, Buena Park

Substance: Gasoline, Diesel

Volume: Unknown

Source: Tank, Dispenser

The release was discovered when three (3) single-walled USTs were closed in-place and associated piping and dispensers were removed February 2018. The UST Abandonment In Place and Site Assessment Report submitted to Orange County Health Care Agency April 2018 indicates petroleum constituents were detected in soil samples collected from beneath the former dispensers and between 5 and 12 feet bgs from borings advanced near the tanks. Samples collected at 17 feet bgs, at the bottom of the borings, reported low to non-detect results. A Soil and Groundwater Investigation Work Plan proposing installation of three groundwater monitoring wells was approved September 2018. The site currently includes multiple office buildings and storage containers as well as an equipment and materials storage yard.

14. Wayne Perry Inc.

8301 Commonwealth Ave, Buena Park

Substance: Gasoline, Diesel

Volume: Unknown

Source: Tank, Dispenser

The release was discovered when two (2) UST systems were removed January 2018. The Revised UST Removal and Site Assessment Report submitted to Orange County Health Care Agency May 2018 indicates petroleum constituents were detected in soil samples collected beneath the USTs and dispenser and in groundwater samples collected from temporary wells installed near the eastern end of the tank pits. A workplan for installation of one groundwater monitoring well to be used in conjunction with three existing wells remaining from a closed LUST case at the site was approved September 2018. The site currently includes multiple office buildings as well as an equipment and materials storage yard.

Bakersfield Fire Department (1 case)

15. Mesa Maris Chevron

11101 State Highway 178, Bakersfield

Substance: Gasoline, Diesel

Volume: Unknown

Source: Dispenser/Piping

The release was discovered January 2018 when four (4) single-walled UST systems originally installed in 1983 were removed. The UST Closure and Interim Remedial Action Report submitted to the Central Valley Regional Board January 2018 indicates significant hydrocarbon contamination was encountered beneath both dispensers. CERS records indicate significant UST violations cited in 2015, 2016 and 2017. The impacted soil beneath the dispensers was over-excavated to 10 feet bgs February 2018. Bakersfield Fire Department referred the case to the Regional Board April 2018. The site is currently an active commercial fueling facility.

Contra Costa County Health Services Department (1 case)

16. The Dead Fish		20050 San Pablo Ave, Crockett
Substance: Diesel	Volume: Unknown	Source: Tank
<p>One (1) UST system was discovered when a building inspector encountered the dispenser island and fill pipe. The UST was estimated to be more than 50 years old when it was removed March 2018. Approximately 10 cubic yards of impacted soil were over-excavated at the time of the UST removal. The April 2018 Unauthorized Release Form indicates the substance released was diesel and the source of discharge was the tank. A report on the UST removal is not in GeoTracker, but a laboratory report with soil sample results has been uploaded. The site is currently a restaurant.</p>		

Imperial County CUPA - DTSC (1 case)

17. Calipatria Queen Market 7788		101 E Main Street, Calipatria
Substance: Gasoline, Diesel	Volume: Unknown	Source: Tank
<p>The release was discovered when soil borings were advanced in March 2018 as part of an investigation performed in anticipation of the upcoming December 2025 single-walled tank closure deadline. The highest detections of petroleum constituents were reported near the USTs. Imperial County referred the case to the Regional Board May 2018. A work plan for soil and groundwater assessment and a sensitive receptor survey was approved October 2018. The site remains an active fueling facility. The current USTs have been in operation since 1984.</p>		

Placer County Environmental Health (1 case)

18. Cutthroat Kings Beach		8555 Cutthroat Ave, Kings Beach
Substance: Gasoline	Volume: Unknown	Source: Tank, Piping
<p>There are no reports or data in GeoTracker for this case. The only available document is the June 2018 Unauthorized Release Form which indicates the release was discovered during UST Removal, the source of the discharge was the tank and piping, and the cause was corrosion. Based on satellite images and street view, the site is currently a storage yard with an office building.</p>		

Riverside County Department of Environmental Health (1 case)

19. University of California, Riverside 1160 University Avenue, Riverside

Substance: Gasoline Volume: Unknown Source: Tank

The release was reported when low levels of petroleum constituents were detected during a site investigation December 2017. The UST systems associated with the former fueling station had been removed in 1977. The Limited Site Investigation Summary Report indicated low levels of petroleum constituents were detected in soil in the vicinity of the former USTs. The case was closed March 2018, with the closure summary noting that the petroleum constituents detected were below regulatory cleanup standards and limited to shallow soil. The site is part of the University of California, Riverside campus and currently includes a vacant, unpaved lot and a paved parking area. The 2016 Phase I ESA report indicates a medical office building was planned for the site.

Sacramento County Environmental Management Department (1 case)

20. Frontier Citizens Telecom 11810 Washington Ave, Sacramento

Substance: Diesel Volume: Unknown Source: Tank

The release was reported when one (1) UST that has been used to fuel a standby generator was removed March 2018. The UST Removal Report submitted to Sacramento County Environmental Management Department June 2018 indicates petroleum constituents were detected in grab groundwater samples collected from the tank pit. Approximately 5,000 gallons of groundwater were removed from the tank pit using a vacuum truck and disposed offsite April 2018. Recharge into the excavation pit occurred and petroleum constituents were not detected in the grab groundwater sample collected after the dewatering event. The site is paved and contains a large warehouse and a large telecommunications tower.

San Bernardino County Fire Department (1 case)

21. Barstow Probation Building 1300 Mountain View Street, Barstow

Substance: Waste Oil Volume: Unknown Source: Tank

The release was reported when one (1) UST was removed April 2018. The UST had previously been abandoned in-place and filled with concrete. The UST Removal Report submitted to San Bernardino County Fire Department May 2018 indicated petroleum constituents were detected in soil samples collected beneath the UST. In August 2018, impacted soil was over-excavated to approximately 12 feet bgs, with approximately 48 tons of impacted soil reportedly removed. Petroleum constituents were not detected in excavation bottom and sidewall samples. The site is an office building in the final stages of renovation for use by the San Bernardino County Probation Department.

San Diego County Department of Environmental Health (1 case)

22. 2005 Morena Property		2005 Morena Blvd, San Diego
Substance: Gasoline	Volume: Unknown	Source: Tank
<p>The release was reported when petroleum constituents were detected in soil samples collected December 2017 and a groundwater sample collected March 2018. Five (5) USTs had previously been removed August 1986. At the time of UST removal, a slight gasoline odor was noted but there is no record of sample collection. The Preliminary Site Assessment Report submitted to San Diego County Department of Environmental Health (DEH) indicates the highest concentrations of petroleum constituents were detected in the vicinity of the former tanks. The proposal to install four groundwater monitoring wells at the site presented in the report was approved by San Diego County DEH May 2018. The site is currently a vacant automotive service garage.</p>		

San Francisco City & County Public Health Department (1 case)

23. 986 South Van Ness		986 South Van Ness, San Francisco
Substance: Waste Oil	Volume: Unknown	Source: Tank
<p>The release was reported when one (1) single-walled UST, one (1) sump, and one (1) hydraulic hoist were removed February 2018. Petroleum constituents and chlorinated solvents had been detected in soil and soil vapor samples collected May and July 2017, prior to the UST removal; however, the UST Removal Report submitted to San Francisco City & County Public Health Department April 2018 indicates poly-aromatic hydrocarbons (PAHs) were the only constituents detected above screening levels in soil samples collected from the UST pit. The site is currently a vacant automotive repair facility. Current redevelopment plans include a five-story residential building above podium parking.</p>		

San Mateo County Environmental Health (1 case)

24. Summerhill Property		1019 Rollins Road, Burlingame
Substance: Gasoline, Diesel	Volume: Unknown	Source: Tank
<p>The release was discovered when petroleum constituents were detected in samples collected from the sidewalls of a remedial excavation in the vicinity of the former UST pit as part of site redevelopment May 2018. There are no reports in GeoTracker, but documentation of soil disposal, submitted to San Mateo County Groundwater Protection Program July 2018 indicated that approximately 2,236 tons of soil were transported offsite for disposal. Additional excavation as part of the site construction is planned. The site is currently undergoing redevelopment as an apartment building.</p>		

Santa Clara County Environmental Health (1 case)

25. 7-Eleven #37996		14660 Monterey Road, Morgan Hill
Substance: Gasoline, Diesel	Volume: Unknown	Source: Unknown
<p>The release was discovered when three (3) UST systems were removed and replaced May 2018. The UST Removal and Replacement Report submitted to Santa Clara County Environmental Health August</p>		

2018 indicates petroleum constituents were detected in a grab groundwater sample collected from the tank pit but were not detected in soil samples collected beneath the tank, piping, or dispensers. Approximately 15,500 gallons of groundwater were pumped from the excavation and transported offsite for treatment and disposal. Approximately 1,006 tons of soil were transported offsite for disposal. The site remains an active commercial fueling facility.

Sonoma County Fire and Emergency Services Department (1 case)

26. Santa Rosa Avenue Former Gas Station 3111 Santa Rosa Ave, Santa Rosa

Substance: Gasoline Volume: Unknown Source: Unknown

The release was discovered when petroleum constituents were detected in soil and groundwater samples collected as part of a site investigation November 2017. A former service station was reportedly located at the site from the 1920s to 1940s. A geophysical survey was conducted in 2007 that concluded there were no remaining USTs at the site. A Monitoring Well Installation Work Plan proposing installation of seven groundwater monitoring wells was approved August 2018. The site is a paved commercial storage yard.

Tehama County Environmental Health (1 case)

27. Red Bluff High School 1260 Union Street, Red Bluff

Substance: Gasoline, Diesel Volume: 750+ gallons Source: Tank, Dispenser

The release was discovered when two (2) USTs were discovered during site construction and removed May 2018. The Soil Removal and Subsurface Investigation Report submitted to the Regional Board July 2018 indicates petroleum constituents were detected beneath the northern UST which contained several visible holes. The southern UST was damaged by equipment during removal and approximately 750 gallons of “petroleum smelling liquid” flowed from the UST into the excavation; the URF noted that soil excavated prior to the tank rupture also had a strong petroleum smell. Tehama County Environmental Health referred the case to the Regional Board May 2018. Free product removal and soil removal conducted between May and July 2018 removed a total of approximately 700 gallons of petroleum-impacted sludge, 9,400 gallons of water, and 815 tons of soil. Soil vapor samples collected near the northern UST July 2018 did not report detectable concentrations of petroleum constituents. The site is Red Bluff High School.

New LUST Case (Old Release, Old Discovery) - 6 cases

Los Angeles City Fire Department (3 cases)

28. Former Service Station 110-114 Boyles Ave S, Los Angeles

Substance: Gasoline, Diesel Volume: Unknown Source: Unknown

The release was discovered when petroleum constituents were detected during a subsurface investigation conducted March 2009. LAFD referred the case to the Regional Board February 2018. Additional assessment was conducted May 2018 including soil and soil gas sampling and a geophysical survey. Four subsurface anomalies were noted during the geophysical survey. The report indicated the anomalies were likely associated with remnants of the former building's foundation and utilities,

but the presence of USTs could not be ruled out. The site is currently a partially paved vacant lot. The April 2009 Subsurface Investigation Report indicated Los Angeles Redevelopment Agency planned to build affordable housing on the site, but it's unclear if that redevelopment is still planned.

29. Greg's Exclusive Auto Body **8000 3rd Street W, Los Angeles**

Substance: Gasoline **Volume: Unknown** **Source: Tank, Dispenser**

The release was discovered during a Phase II ESA December 2016. The Phase II ESA Report submitted to LAFD March 2017 indicates petroleum constituents were detected in soil and soil vapor samples collected near the USTs and former dispenser area. Three (3) UST fill ports were identified at the site and it was confirmed that USTs remain in-place but are no longer in-use. There is no available information about the dates the UST systems operated. LAFD referred the case to the Regional Board May 2018. The site is currently an auto body repair shop.

30. United Oil #5624 **5552 Century Blvd W, Los Angeles**

Substance: Gasoline **Volume: Unknown** **Source: Piping**

The release was discovered during vent line replacement April 2016. The Healy Vapor Recovery System Vent Line Soil Sampling Report submitted to LAFD May 2016 indicates elevated petroleum constituents were detected in one soil sample collected along the fuel product lines. LAFD referred the case to the Regional Board March 2018. Five soil borings were advanced September 2018 and petroleum constituents above action limits were reported at 5 and 20 feet bgs, but not at 10 and 15 feet bgs. The October 2018 Additional Site Investigation Report concluded that results indicate more than one release has occurred at the Site. The site is an active commercial fueling facility.

Los Angeles County Department of Public Works (3 cases)

31. Chevron Service Station #9-4566 **14021 Valley View Ave, La Mirada**

Substance: Gasoline **Volume: Unknown** **Source: Unknown**

The release was discovered when one waste oil UST was removed and three gasoline USTs were moved to a new location at the site August 1998. The UST System Upgrade and UST Removal Report submitted to Los Angeles County DPW November 1998 indicates petroleum constituents above screening limits were detected in stockpile soil and petroleum constituents below screening limits were detected beneath the former waste oil UST. Approximately 97 tons of stockpiled soil was transported offsite for disposal. Los Angeles County DPW referred the case to the Regional Board April 2018. The site is currently an active commercial fueling facility.

32. Davidson Optronics Inc

2223 Ramona Blvd W, West Covina

Substance: Spent Cutting Oil

Volume: Unknown

Source: Piping

The release was reported when one UST and piping was removed September 1991. The UST contained waste water and spent cutting oil. The UST Closure Report submitted to Los Angeles County DPW October 1991 indicates soil discoloration was noted adjacent to the piping that extended from the building and elevated petroleum constituents were reported in shallow soil samples collected along the perimeter of the excavation adjacent to the exposed piping. Los Angeles County DPW referred the case to the Regional Board February 2018. The case was closed August 2018. The Site History section of the UST Low Risk Case Review Form (Form) completed by the Regional Board April 2018 indicates additional soil and soil vapor assessment was completed between 1991 and 1996 as part of a Well Investigation Program case, but documentation of the assessments is not available in GeoTracker. The Form also indicates the site is being referred to the Regional Board's Site Cleanup Program due to the presence of chlorinated solvents; however, a Site Cleanup Program case has not been opened. The site is currently a warehouse and paved parking lot.

33. Mission Paving and Sealing

815 Commercial Ave, San Gabriel

Substance: Gasoline, Diesel

Volume: Unknown

Source: Tank, Dispenser

The release was discovered when two (2) single-walled UST systems were removed from the site April 1999. The UST Removal Report submitted to Los Angeles County DPW October 1999 indicated elevated petroleum constituents were detected in soil samples collected beneath the tanks and dispensers. Los Angeles County DPW referred the case to the Regional Board April 2018. According to the September 2018 Request for Additional Information Response, no additional assessment was performed after removal of the USTs. The site is currently a large paved parking lot with an office building and garage.

Appendix B: List of Priority Violations

CERS Violation Name	Violation Type Number
Falsification	2010006
Record Retention (RD)	2010008
Monitoring and Maintenance Records (RD)	2030001
Audible and Visual Alarm	2030003
Automatic Tank Gauge (ATG) and Manual Inventory Reconciliation (RD)	2030004
Continuous In-Tank Leak Detection (CITLD) - Single-Walled Tank (RD)	2030005
Automatic Tank Gauging - Single-Walled Tank (RD)	2030006
Corrosion Protection - Impressed Current/Sacrificial Anode (RP)	2030009
Double-Walled Monitoring - After January 1, 1984 and Before July 1, 2004 (RD)	2030016
Double-Walled Pressurized Pipe -Interstitial Monitoring (RD)	2030018
Emergency Generator Piping - Exemption (RD)	2030020
Groundwater and Vadose Zone Monitoring	2030022
Line Leak Detector (LLD) (RD)	2030025
Line Leak Detector (LLD) - Single-Walled pressurized Pipe (RD)	2030027
Lined Tank Recertification (RP)	2030029
Manual Tank Gauging (RD)	2030030
Unsafe UST Operation (RP)	2030035
Overfill Prevention (RP)	2030036
Permanent Closure	2030038
Piping Obstruction (RD)	2030040
Pressurized Double-Walled Pipe - Line Integrity Test (RD)	2030042
Monitoring Equipment (RD)	2030043
Red Tag Deposit	2030044
Red Tag Tampering	2030045
Secondary Containment	2030047
Single-Walled Conventional Suction Testing (RD)	2030050
Single-Walled Gravity	2030051
Single-Walled Pressurized Pipe - Line Leak Detector (LLD) (RD)	2030052
Single-Walled Safe Suction (RD)	2030053
Statistical Inventory Reconciliation (SIR)	2030056
Statistical Inventory Reconciliation (SIR) (RD)	2030057
Statistical Inventory Reconciliation (SIR) (RD)	2030058
Recording Unauthorized Releases (RD)	2030061
Tampering with Leak Detection Equipment (RD)	2030062
Temporary Closure (RD)	2030063
Vapor, Pressure, Hydrostatic (VPH) Monitoring - On or After July 1, 2004 (RD)	2030065
Well Proximity Enhanced Leak Detection (ELD) Testing	2030066
Emergency Generator Tank Systems Line Leak Detector (LLD) Exemption Conditions	2030075
Reporting Unauthorized Releases (RD)	2030077
Automatic Tank Gauge (ATG) / Continuous In-Tank Leak Detection (CITLD) (RD)	2060002
Corrosion Protection - Field-Installed (RP)	2060004
Line Leak Detector (LLD) - Installed (RD)	2060012
Improper Monitoring (RD)	2060015
Spill Bucket (RP)	2060020
UST Design/Construction - Compatibility	2060024
UST Primary Containment	2060027